

# **CURRICULUM VITAE**

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## **PROFESSOR ANTHONY I OKOH**

### **KEY HIGHLIGHTS**

#### **ACADEMIC QUALIFICATIONS:**

- BSc (Hons), MSc and PhD in Microbiology; plus 11 other diplomas and certificates.

**# OF YEARS OF TEACHING AND RESEARCH EXPERIENCE:** Since 1993.

#### **SCHOLARSHIP METRICS AS @ 19 April 2024:**

- **# of journal articles, patent and book chapters:** 514 since 1996.
- **H-index:**  
76 (Google Scholar: <https://scholar.google.co.za/citations?user=84lgrowAAAAJ&hl=en>); Citations: 25K+.  
54 (Scopus: <https://www.scopus.com/authid/detail.uri?authorId=15026992900>); Citations:14K+

#### **STUDENTS SUPERVISION:**

**(a) Graduated:** 57 PhD and 70 MSc (Full list available on request)

**(b) Postdocs:** Hosted 13 postdocs (Full list available on request)

#### **GRANTS ATTRACTION:**

Thirty (30) national and international grants attracted. Full list is in the CV.

#### **PATENT:**

Okoh AI and Okaiyeto K (2020). Production of metal nanoparticles (Ref: Characterisation and biomedical applications of green synthesized nanoparticles assisted by aqueous extract of Thuja). South Africa Patent # P84658ZA00 PJV/YDT, 27 May 2020.

### **RECOGNITIONS**

- FELLOW, THE WORLD ACADEMY OF SCIENCES (2024)
- WINNER OF THE GOLD ACHIEVEMENT AWARD 2023 BY THE SOUTH AFRICAN MEDICAL RESEARCH COUNCIL.
- FELLOW, THE NIGERIA ACADEMY OF SCIENCES (2022).
- APPOINTED VICE-CHANCELLOR, WESTERN DELTA UNIVERSITY, OGHARA, NIGERIA IN MAY 2021 BUT DECLINED OFFER.
- FELLOW, ROYAL SOCIETY OF BIOLOGY (2021).
- FELLOW, NIGERIA SOCIETY FOR MICROBIOLOGY (2021).
- FELLOW, AFRICAN ACADEMY OF SCIENCES (2017).
- FELLOW, WATER INSTITUTE OF SOUTHERN AFRICA (2016).
- FELLOW, BIOTECHNOLOGY SOCIETY OF NIGERIA (2019).
- MEMBER, ACADEMY OF SCIENCE OF SOUTH AFRICA (2017).
- PRESIDENT (2011-2013), SOUTH AFRICA SOCIETY FOR MICROBIOLOGY.
- ACTING DEAN (14 MONTHS CUMULATIVE, 2016/2018), FACULTY OF SCIENCE AND AGRICULTURE, UNIVERSITY OF FORT HARE, ALICE, SOUTH AFRICA.

- DEPUTY DEAN (RESEARCH AND INTERNATIONALIZATION), FACULTY OF SCIENCE AND 2 AGRICULTURE, UNIVERSITY OF FORT HARE, ALICE, SOUTH AFRICA (1 AUGUST 2016-30 APRIL 2020).
- DIRECTOR, SAMRC MICROBIAL WATER QUALITY MONITORING CENTRE, UNIVERSITY OF FORT HARE, SOUTH AFRICA (2015 TO DATE).
- LEADER: WATER RESOURCES FOR SUSTAINABLE DEVELOPMENT RESEARCH NICHE AREA, UNIVERSITY OF FORT HARE, SOUTH AFRICA (2013 TO DATE).
- HEAD, DEPARTMENT OF BIOCHEMISTRY AND MICROBIOLOGY, UNIVERSITY OF FORT HARE, SOUTH AFRICA FOR 7 YEARS (2009-2015).
- H-INDEX - 76 AND CITATIONS IS 25K; PUBLISHED OVER 500 JOURNAL ARTICLES.
- SUPERVISED TO COMPLETION 57 PhD AND 70 MSc STUDENTS.

## PROF AI OKOH'S AWARDS



**Prof Anthony Okoh being decorated with the 2008 Vice-Chancellor's Emerging Researcher Medal by Dr Mvuyo Tom, Vice-Chancellor, University of Fort Hare, Alice, South Africa.**



**Prof Anthony Okoh being decorated with the 2011 Vice-Chancellor's Senior Research Medal by Dr Mvuyo Tom, Vice-Chancellor, University of Fort Hare, Alice, South Africa.**



**Prof Al Okoh and members of his research group.**



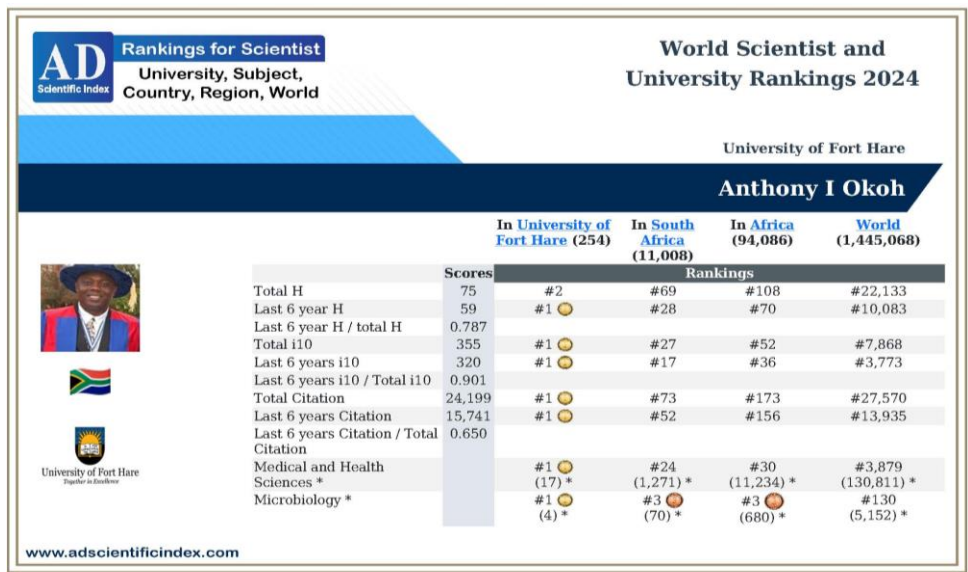
**Prof Anthony Okoh conferment of the Gold Scientific Achievement award 2023 by the South African Medical Research Council**

I hold a BSc (Hons), MSc and PhD degrees in Microbiology, as well as 11 other diplomas and certificates in several aspects of Biotechnology and Molecular Biology from some reputable institutions on the continents of Africa, Asia, Europe, and America. My academic career took a start as a graduate fellow in 1990 at the Obafemi Awolowo University (OAU) in Nigeria and obtained a master's degree in microbiology in 1992. In 1993, I was appointed Assistant Lecturer at OAU, and rose through the ranks to the post of Senior Lecturer in 2001. I then joined the University of Fort Hare as an Associate Professor of Microbiology in 2006, and in January 2008, I was promoted Full Professor of Microbiology in the same University, and in January 2009, I was appointed Head of the Department of Biochemistry and Microbiology, a position I held for 7 years. During this period, and with the support of my colleagues in the department, we turned around the fortune of the department (which was at the verge of being rationalized about 10 years earlier) to becoming in 2012 to date the most productive department in the University. Also, in November 2013, I was appointed Leader of the Water Research Niche Area at UFH for five years, and in April 2015 I was appointed to date as Director, SAMRC Microbial Water Quality Monitoring Centre at the University of Fort Hare (a national facility of the South African Medical Research Council). I also served as Deputy Dean (Research and Internationalization) of the Faculty of Science and Agriculture at UFH between 1 July 2016 to 31 May 2020, and severally as Acting Dean of the faculty for a cumulative period of 14 months between 2016 and 2018. I also undertook a sabbatical leave as a Professor at the Department of Environmental Health Sciences, University of Sharjah, United Arab Emirates between the 2020/2021 to 2023/2024 sessions. Also, in May 2021, I was appointment Vice-Chancellor of Western Delta University, Oghara, Nigeria, but I later declined the offer. Hence, I am eminently well experienced in the university top management system.

My research expertise falls within the aegis of Environmental/Public Health Microbiology and Biotechnology with particular emphasis on water/wastewater quality and genomics; emerging pathogens and chemical pollutants in the environment; reservoirs of antibiotic resistance; Human and environmental health risk assessments, and bioactive compounds of health and biotechnological importance. I have been involved in various collaborations with eminent academics within and outside South Africa and have reviewed for over 50 international journals. I have also been a recipient of several fellowships including the Postgraduate Fellowship Award, OAU, Nigeria (1990-1992); United Nations University Fellowship (1998); UNESCO Biotechnology Action Council Fellowship (2000); and attracted several national and international grants. My publication metrics currently stood at over 510 peer-review journal articles, one patent and several conference presentations including keynote addresses and distinguished guest lectures.

In 2007, I established my research group called Applied and Environmental Microbiology Research Group (AEMREG) in the Department of Biochemistry and Microbiology at the UFH, and the group is currently made up of over 40 M and D students. The group published on average over 45 journal articles per year in the last 5 years. I have also successfully supervised to graduation 57 PhD and 70 Master's degree students and hosted 13 postdocs. Some of my former students are now full professors holding key executive positions of deans, directors, HODs in various universities in South Africa and beyond. I am also a recipient of the UFH Vice-Chancellor Emerging Researcher Award (2008); the Vice-Chancellor Senior Researcher Award (2011); Achievers Award of the Biotechnology Society of Nigeria (BSN) (2016); and the Gold Excellence Achievement Award by the South African Medical Research Council (2023). In 2009, I was invited to represent South Africa in the international collaboration on the Surveillance of Reservoirs of Antibiotic Resistance (ISRAR) under the auspices of the Alliance for the Prudent use of Antibiotics (APUA) with headquarters in the Boston, USA. My lab served as the South Africa Country laboratory for the collaboration, and I doubled as the South Africa Country Laboratory Manager. In 2011, I was elected President of the South Africa Society for Microbiology (2011-2013), and also served as a member of the South Africa National Committee on IUMS. I have also had the privilege of serving in several panels (including as

Chair) for the NRF, SAMRC, WRC, UKZN (review of academic programmes at the University), the South Africa National Science and Technology Forum (NSTF) discussion forum on Water Management and Skills, as well as (in 2016) a member of the South Africa delegation to Oman on the Oman-South Africa bilateral cooperation Workshop on Water & Agri-biotechnology. I am currently a team leader in the South Africa Medical Research Council national wastewater coronavirus surveillance team, and also served as a member of the Cholera advisory panel for the Water Research Commission of South Africa. In 2022, I was invited by THE to participate in the Global Academic Reputation Survey. Also, from the World Scientist and University ranking 2024, in the discipline microbiology, I was ranked #1 in the University of Fort Hare, #3 in South Africa and Africa, and #130 in globally, which further bears testament to the quality and impact of my works (See below).



Date : 02.02.2024 \* Source and Methodology: <https://www.adscientificindex.com/scientist/anthony-i-okoh/104139>

I am a member of the Board of Trustee of the BSN; member of the Academy of Science of South Africa; Fellow of BSN; Fellow, Water Institute of Southern Africa; Fellow, African Academy of Sciences; Fellow, Royal Society of Biology; Fellow of the Nigerian Society for Microbiology; Fellow, Nigerian Academy of Science; and Fellow, The World Academy of Sciences. My current Google H-index is 76 with over 25k citations as @ 9 April 2024.

**PROFESSOR ANTHONY I OKOH**

**NAME:** Anthony Ifeanyin Okoh  
**DATE OF BIRTH:** 16th October 1963  
**MARITAL STATUS:** Married  
**CONTACT ADDRESS:** SAMRC Microbial Water Quality Monitoring Centre, University of Fort Hare, Alice, South Africa. Email: [aokoh@ufh.ac.za](mailto:aokoh@ufh.ac.za).  
**ORCID ID:** 0000-0002-9770-085X

**ACADEMIC QUALIFICATION****Degrees:**

- **B.Sc.** (Hon) Microbiology, Second Class Upper Division, 13 August 1987, University of Ife, Ile-Ife, Nigeria. (Project: Assessment of the incidence of sulphate reducing bacteria in dug well waters in Ile-Ife, Nigeria).
- **M.Sc.** (Microbiology) Distinction, 1 December 1992, Obafemi Awolowo University, Ile Ife. (Dissertation: Effect of the extract of Bitter leaf (*Vernonia amygdalina*) on the production of beer from sorghum grains using *Saccharomyces calshbergensis*)
- **Ph.D.** (Microbiology), 1995 - 20 June 2003, Obafemi Awolowo University, Ile – Ife. (Thesis: Assessment of the potentials of some bacterial isolates for application in the bioremediation of petroleum hydrocarbon polluted soil).

**Other Certificates/Diplomas:**

- Certificate, International course on "Scale-up in Biotechnological processes" at The Institute of Biotechnology, UNAM, Cuernavaca, Morelos, Mexico, 27 June to 10 July 1998.
- Certificate, Theoretical and Practical course on "Structure, Function and Manipulation of the Fungal Genome" at CINVESTAV, Irapuato, Mexico, 6 –19 September 1998.
- Certificate, Theoretical and Practical course on "Agricultural biotechnology", Universidad de Neuvo Leon, Monterrey, Mexico, 9-13 November 1998.
- Certificate, Theoretical and Practical course on "Microalgal Biology and Biotechnology", Pannon Agricultural University, Mosonmagyaróvár, Hungary, 13 - 26 June 1999.
- Certificate, Theoretical and Practical course on "Molecular Aspect of Fertilization and Early Development", Asamuchi Marine Biological Station, Tohoku University, Aomori, Japan, 8 - 22 October 1999.
- Certificate, Theoretical course on "RNA Structure and Function", International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy, 3 - 6 April 2000.
- Certificate, International Training Programme on "Introduction to Industrial Biotechnology" (ITP2000), 23 October to 5 December 2000, German Research Center for Biotechnology (GBF), Braunschweig, Germany.
- Certificate, ICRO/UNESCO International training course on "Ion pumps and ABC Transporters Overexpressed in yeast as drug targets", 10 – 21 September 2001, University of Cape Town, South Africa.
- Certificate, UNESCO/ICRO/EMBO International training course on "Cell Motility, Molecular motors and the Cytoskeleton", May 27 – June 07, 2002, University of Rio de Janeiro, RJ, Brazil.
- Certificate, ICRO/UNESCO "International Training Course on Biotechnological Tools for Plant Improvement", KSR College of Arts and Science, Thiruchengode, Tamil Nadu, India, September 7 – 20, 2003.
- Certificate of Training, Microbial genomics and Metagenomics at the JGI in Walnut Creek, California, USA, 25 February to 1 March 2019.

- **# of journal articles, patent and book chapters:** 514 since 1996.
- **H-index:**  
76 (Google Scholar: <https://scholar.google.co.za/citations?user=84lgrowAAAAJ&hl=en>); Citations: 25K+.  
55 (Scopus: <https://www.scopus.com/authid/detail.uri?authorId=15026992900>); Citations:14K+.

#### RESEARCH GRANTS:

- (i) Obafemi Awolowo University Research Grant on “Studies on the effect of climate differences on culturable soil microbial community structure and dynamics during mulching of different agroforestry species in tropical, sub-Saharan African Setting” (N352,700.00) 2002.
- (ii) National Research Foundation Thuthuka (REDIBA) (TTK2006061400023) grant for 2007, 2009, 2010 and 2011 to study the “Antimicrobial efficacy of *Helichrysum* sp.” (R1, 019,000.00).
- (iii) National Research Foundation Focus Area grant (FA2006042400043) for 2007-2008 for a “Surveillance study of invasive *Vibrio*, *Listeria* and *Salmonella* strains in discharged aqueous effluents of wastewater treatment plants in rural areas of the Eastern Cape Province” (R227,440.00).
- (iv) Medical Research Council (South Africa) Self-initiated research grant for 2008-2009 for research on “Prevalence and distribution of invasive viral pathogens in the aquatic milieu of the Eastern Cape Province (R260,000.00).
- (v) National Research Foundation (NRF) KISC grant for 2008-2010 to study “Novel antimicrobial and anticancer related secondary metabolites of the marine Actinomycete diversity of a near-shore marine environment in the Eastern Cape Province” (R210,000.00).
- (vi) Seed money from NRF/KFD to articulate a research direction for the Algoa Bay actinomycetes diversity in 2009 (R15,000.00).
- (vii) “International Surveillance of Reservoirs of Antibiotic Resistance (ISRAR)” grant (October 2009-September 2010) (USD21,850.00).
- (viii) Water Research Commission grant on “Assessment of the prevalence of human viral and bacterial pathogens in some rivers and dams in the Amatole district municipality of the Eastern Cape Province of South Africa” (K5-1968) (from 1 April 2010 to 31 March 2011) (R680,000.00).
- (ix) Water Research Commission grant on “Surveillance of viral, faecal indicator bacteria and *Vibrio* pathogens in the final effluents of wastewater treatment facilities in the Eastern Cape Province: a vehicle for capacity development in microbial water quality science in the Province (K5/2145), 2012-2014”. (R900,000.00).
- (x) ESKOM Tertiary Support Programme grant on “Coal quality improvement by bioflocculation towards the removal of Ash, Trace and Heavy Metal Contaminants” – R150 000.00 (one year 2013).
- (xi) ESKOM Tertiary Support Programme grant on “Identification and characterization of bacteria and fungi for the bioconversion of lignocelluloses to bioethanol” – R50 000.00 (one year 2013).
- (xii) ESKOM Tertiary Support Programme grant on “Identification and characterization of bacteria and fungi for the bioconversion of lignocelluloses to bioethanol” – R50 000.00 (one



- (xiii) ESKOM Tertiary Support Programme grant on “Identification and characterization of bacteria and fungi for the bioconversion of lignocelluloses to bioethanol” – R50 000.00 (one year 2014).
- (xiv) ESKOM Tertiary Support Programme grant on “Effects of torrefaction with laboratory scale muffle furnace and fluidized bed pre-treatment methods on the solid fuel properties of sewage sludge in Eastern Cape, South Africa” – R70 000.00 (one year 2019).
- (xv) The Royal Society-DFID Africa Capacity Building Initiative 2013. Assessment of water quality indices of some recreational surface waters in the Eastern Cape Province of South Africa as a tool for capacity development in the impoverished Province. (GBP25,000.00).
- (xvi) SANCOOP, South Africa – Norway research Cooperation. Development of efficient biofloculants by exploring the microbial diversity of South African Eastern Cape Province for Novel Biofloculants (2014-2017) – R1 490 000.00.
- (xvii) Seed funding, University of Fort Hare, Alice on Evaluation of microbial resistance to conventional chlorine dosage in water treatment in the Eastern Cape Province: Escherichia coli and Vibrio species as case study. R50,000.00.
- (xviii) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1M for 2015.
- (xix) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 097 897.00 for 2016.
- (xx) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 430 464.00 for 2017/2018.
- (xxi) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 498 228.00 for 2018/2019.
- (xxii) Water Research Commission grant on Cholera monitoring and response guideline (K5-2432). From 1 April 2015 to 31 February 2018. R1, 260,000.00.
- (xxiii) USAID/DST Partnerships for Enhanced Engagement in Research (PEER) Program grant: Characterizing and tracking of antimicrobial resistance in the water-plant-food public health interface: An emerging water, sanitation and hygiene issue. \$273,992 (2016-2019: UFH received R1 427 409.33).
- (xxiv) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 356 461.80 for 2019/2020.
- (xxv) ESKOM Tertiary Support Programme grant on “Effect of torrefaction with laboratory scale muffle furnace and fluidized bed pre-treatment methods on the solid fuel properties of sewage sludge in Eastern Cape, South Africa” - R70 000.00, 2019.
- (xxvi) ESKOM Tertiary Support Programme grant on “Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells” - R50 000.00; 2019.
- (xxvii) ESKOM Tertiary Support Programme grant on “Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells” – R60 000.00; 2020.
- (xxviii) ESKOM Tertiary Support Programme grant on “Exploration of some plant and marine green algae natural dye extracts as photosensitizer for titanium dioxide-based dye sensitized solar cells (DSSCs) – R60, 000.00” – R60 000.00; 2020.
- (xxix) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 400 243.00 for 2020/2021.
- (xxx) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 368 189.00 for 2021/2022.
- (xxxi) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 295 285.00 for 2022/2023.
- (xxxii) ESKOM Tertiary Support Programme grant on “Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells” – R82 000.00; 2022.
- (xxxiii) ESKOM Tertiary Support Programme grant on “Exploration of some plant and marine green algae natural dye extracts as photosensitizer for titanium dioxide-based dye

- sensitized solar cells (DSSCs) –R70 000.00; 2022.
- (xxxiv) ESKOM Tertiary Support Programme grant on “Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells” – R82 000.00; 2023.
- (xxxv) ESKOM Tertiary Support Programme grant on “Exploration of some plant and marine green algae natural dye extracts as photosensitizer for titanium dioxide-based dye sensitized solar cells (DSSCs) –R70 000.00; 2023.
- (xxxvi) SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 247 741.00 for 2023/2024.

## PEER RECOGNITION

- Represent South Africa in the international collaboration on the Surveillance of Reservoirs of Antibiotic Resistance (ISRAR) under the auspices of the Alliance for the Prudent use of Antibiotics (APUA) with headquarters in the Boston, USA, 2009.
- President, South Africa Society for Microbiology (SASM) (2011 to 2013).
- Vice President, of South Africa Society for Microbiology (2010 -2011).
- Member, Executive Committee of South Africa Society for Microbiology (2009 to 2013).
- University of Fort Hare Vice-Chancellor Emerging Researcher Award 2008.
- University of Fort Hare Vice-Chancellor’s Senior Researcher Award 2011.
- Achievers award conferred by the Biotechnology Society of Nigeria at the 29th Annual Conference and General meeting of the Biotechnology Society of Nigeria which held in Calabar, 28-31 September 2016.
- Appointed in 2016 as a member of the Board of Trustee of the Biotechnology Society of Nigeria.
- Fellow of the Water Institute of Southern Africa from 15 November 2016.
- Member of Academy of Science of South Africa in 2017.
- Fellow of the prestigious African Academy of Sciences in 2017.
- Fellow of the prestigious Royal Society of Biology in 2021.
- Panel member for the review of academic programmes at the University of KwaZulu Natal, South Africa, 2018.
- Fellow of the Biotechnology Society of Nigeria in 2019.
- Life membership, Nigerian Society for Microbiology, 2019.
- Resource person to Bowen University, Iwo, Nigeria to assist with recruitment of exceptional African academics for the University.
- Fellow, Nigerian Society for Microbiology, 2021.
- Fellow, Nigerian Academy of Science. 2022.
- Member, South Africa Water Research Commission Cholera Advisory Panel 2023.
- Chairperson, Membership Advisory Committee (Biosciences), African Academy of Sciences, 2023 to date.
- Fellow, The World Academy of Sciences (From 1 Jan 2024)
- Won the Gold Scientific Achievement Award 2023 by the South Africa Medical Research Council.
- Mentor, American Society of Microbiology Future Leaders Mentorship Fellowship (FLMF) Program, May 1, 2024 - April 30, 2026.

## WORKING EXPERIENCE:

- **Acting dean**, Faculty of Science and Agriculture, University of Fort Hare, Alice, South Africa (Cumulative period of 14 months between October 2016 and October 2018).
- **Deputy Dean** (Research and Internationalization), Faculty of Science and Agriculture, University of Fort Hare, Alice, South Africa (1 August 2016 to 30 April 2020).
- **Director**, SAMRC Microbial Water Quality Monitoring Center, University of Fort Hare, Alice, 1 April 2015 to date.
- **Research Niche Area Leader**: Water Resources for Sustainable Development Research Niche Area, University of Fort Hare, Alice, 1 November 2013 to 31 October 2018.
- **Head of Department**, Department of Biochemistry and Microbiology, University of Fort Hare, Alice, South Africa, 1 January 2009 to 31 December 2015.

- **Professor**, Department of Biochemistry and Microbiology, University of Fort Hare, Alice, South Africa, 1 January 2008 to date.
- **Associate Professor**, Department of Biochemistry and Microbiology, University of Fort Hare, Alice, South Africa, 1 May 2006 to 31 December 2007.
- **Senior Lecturer**, Department of Microbiology, Obafemi Awolowo University, Ile-Ife, Nigeria, 1 October 2001 to 31 September 2006.
- **Lecturer I**, Department of Microbiology, Obafemi Awolowo University, Ile-Ife, Nigeria, 1 October 1998 to 31 September 2001.
- **Lecturer II**, Department of Microbiology, Obafemi Awolowo University, Ile-Ife, Nigeria, 1 October 1996 to 30 September 1998.
- **Assistant Lecturer**, Department of Microbiology, Obafemi Awolowo University, Ile-Ife, Nigeria, 1 October 1993 to 30 September 1996.
- **Research Officer**, Biotechnology Unit, Federal Institute of Industrial Research, Oshodi, Lagos, 1 July 1992 – 31 August 1993.
- **Graduate fellow**, Obafemi Awolowo University, Ile-Ife, Nigeria, 1990-1992.

## OTHER ADMINISTRATIVE/PROFESSIONAL PORTFOLIOS

- Chairperson, Faculty Research and Higher Degrees committee, Faculty of Science and Agriculture, University of Fort Hare, Alice, South Africa, 2016 to 2020.
- Member, Senate Higher Degrees Committee, University of Fort Hare, Alice, South Africa, 2016 to 2020.
- Member, University Library Committee, University of Fort Hare, Alice, South Africa, 2016 to 2020.
- Member, Research and Development Committee, University of Fort Hare, Alice, South Africa, 2016 to 2020.
- Member, Internationalization Committee, University of Fort Hare, Alice, South Africa, 2016 to 2020.
- Member, Senate Teaching and Learning Committee, University of Fort Hare, Alice, South Africa, 2016 to 2020.
- South Africa Laboratory Manager, Alliance for the Prudent use of Antibiotics (APUA/ISRAR).
- Coordinator of Microbiology Programme Unit, Department of Biochemistry and Microbiology, University of Fort Hare, Alice, South Africa, 2006 to date.
- Member, Prospectus committee, Faculty of Science and Agriculture, University of Fort Hare, Alice, South Africa.
- Member, Faculty Planning and Management Committee, Faculty of Science and Agriculture, University of Fort Hare, Alice, South Africa, 2006 to date.
- Chairperson, Faculty Research and Higher Degrees Committee, University of Fort Hare, Alice (2016-2020).
- Represented the Vice-Chancellor at the Provincial Cannabis Stakeholder Engagement hosted by the Eastern Cape Provincial Government at the International Convention Centre, East London, South Africa on 1-2 August 2019.
- Member, Appointments and Promotions Committee (representing Congregation), Obafemi Awolowo University, Ile-Ife, Nigeria, 2003-2005.
- Member of Senate (representing Congregation), Obafemi Awolowo University, Ile-Ife, Nigeria, 2003-2005.
- President, Staff Club, Obafemi Awolowo University, Ile-Ife, Nigeria (2002-2004).
- Coordinator of Industrial Training Programme, Department of Microbiology, OAU, Ile-Ife.
- Pioneer member, University Excess workload committee, Obafemi Awolowo University.
- Member, Board of Student Affairs, OAU, Ile-Ife.
- Member, Awolowo Hall Management committee, OAU, Ile-Ife.
- Member, Results Coordination Committee, OAU, Ile-Ife.
- External examiner to several national and international Universities.
- External promotions application assessor to several national and international Universities.

## (a) Graduated

S/N	Name	Level and	Title of Project
1.	Thulani Sibanda,	Masters; 2008	Assessment of Antibacterial Potentials of <i>Garcinia kola</i> seed Extracts and their Interactions with Antibiotics.
2.	NC Mafu	Masters; 2008	Biodiversity of <i>Salmonella</i> Strains Isolated from Selected Water Sources and Wastewater Discharge Points in the Eastern Cape Province of South Africa.
3.	NS. Ncube	Masters; 2008	Antibacterial Properties of the Methanol Extract of <i>Helichrysum pedunculatum</i> .
4.	T Ndlovu	Masters; 2008	Parasite Prevalence, Nutritionally-Related Blood Metabolites and Pre-Slaughter Stress Response in Nguni, Bonsmara and Angus Steers Raised on Veld.
5.	Timothy Sibanda	Masters; 2010	Comparative Study of the Antibiotic Producing Potentials of three Freshwater Actinomycetes belonging to the <i>Saccharopolyspora</i> and <i>Actinosynnema</i> Genera.
6.	S Cosa	Masters; 2010	Assessment of Bioflocculant Production by Some Marine Bacteria Isolated from the Bottom Sediments of Algoa Bay.
7.	S Koba	Masters; 2010	Assessment of Antibiotic Production by Some marine Actinomycetes Belonging to the Genera <i>Norcadia</i> , <i>Saccharopolyspora</i> and <i>Kibdellosporangium</i> .
8.	INH Ogunmwoyi	Masters; 2010	Assessment of Antibiotic Production by Some Marine <i>Streptomyces</i> Isolated from the Nahoon Beach.
9.	ZN Cwala	Masters; 2010	Comparative assessment of the antibiotic production by four actinomycetes isolated from marine and freshwater environments of the Eastern Cape Province.
10.	TA Akinyele	Masters; 2011	Assessment of the Antibacterium Properties of n-Hexane Extract of <i>Cocos nucifera</i> and its Interactions with some Conventional Antibiotics.
11.	D Penduka	Masters; 2011	<i>In-vitro</i> Anti- <i>Vibrio</i> Activities of Crude Extracts of <i>Garcinia kola</i> seeds.
12.	MO Agunbiade	Masters; 2011	Studies on Bioflocculants Produced by three Freshwater Actinomycetes ( <i>Streptomyces</i> sp. (Gansen), <i>Brachybacterium</i> sp. (UFH) and <i>Cellulomonas</i> sp. (Bola) Isolated from Tyume Rivers.
13.	SA Adeyemi	Masters; 2012	Evaluation of the Possible Application of Cowpea Genotypes in the Farming Systems of the Eastern Cape Province, South Africa.
14.	SS Gusha	Masters; 2012	Productions of High Quality Wastewater Final Effluents Remain a Challenge in the Eastern Cape Province of South Africa.
15.	N N Mazibuko	Masters; 2012	Evaluation of the Quality Indices of the Final Effluents of an Urban Wastewater Treatment Plant in the Eastern Cape of South Africa.

16.	OO Adeyemi	Masters; 2012	Comparative <i>In-Vitro</i> Activities of Trimethoprim-Sulfamethoxazole and the new Fluoroquinolones against Confirmed Extended Spectrum Beta-Lactamase Producing <i>Stenotrophomonas maltophilia</i> in Nkonkobe Municipality, Eastern Cape Environment.
17.	L Ntsaluba	Masters; 2012	Studies on Bioflocculant Production by a Consortium of two Bacterial Species Belonging to the <i>Methylobacterium</i> and <i>Actinobacterium</i> Genera.
18.	Soyege A	Masters; 2013	Effect of fluoroquinolones antibiotics on vancomycin and oxacillin resistant <i>Staphylococcus</i> species in Eastern Cape Province
19.	BO Abong'o	PhD; 2008	Prevalence of <i>Escherichia coli</i> 0157:H7 in Water and Meat and Meat Products and Vegetables Sold in the Eastern Cape Province of South Africa and its Impact on the Diarrhoeic Conditions of HIV/AIDS Patients
20.	OA Aiyegoro	PhD; 2010	Synergistic Potentials and Isolation of Bioactive Compounds from the Extracts of two <i>Helichrysum</i> Species Indigenous to the Eastern Cape Province
21.	AN Osode	PhD; 2010	Assessment of the Prevalence of Virulent <i>Escherichia coli</i> Strains in the Final Effluent of Wastewater Treatment Plants in the Eastern Cape Province of South Africa
22.	EEO Odjadjare	PhD; 2010	Prevalence of <i>Listeria</i> Pathogens in Effluents of Some Wastewater Treatment Facilities in the Eastern Cape Province of South Africa
23.	EO Igbinosa	PhD; 2010	Surveillance of Invasive <i>Vibrio</i> Species in Discharged Aqueous Effluents of Wastewater Treatment Plants in the Eastern Cape of South Africa
24.	AA Adegoke	PhD; 2012	Commensal Bacteria Belonging to the <i>Staphylococcus</i> , <i>Acinetobacter</i> and <i>Stenotrophomonas</i> Genera as Reservoirs of Antibiotic Resistant Determinants in the Environment of Nkonkobe Municipality, Eastern Cape Province, South Africa
25.	S Cosa	PhD; 2013	Assessment of Bioflocculant Production by Consortia of three Marine Bacteria Belonging to the Genera <i>Halobacillus</i> , <i>Virgibacillus</i> and <i>Oceanobacillus</i> Isolated from the Bottom Sediments of Algoa Bay, South Africa
26.	Timothy Sibanda	PhD; 2013	Assessment of the Physicochemical and Microbiological Qualities of Tyume River in Amathole District in the Eastern Cape Province, South Africa.
27.	VN Chigor	PhD; 2013	Assessment of the water quality, incidence of enteric viruses and microbial risk in the Buffalo River in the Eastern Cape Province of South Africa.
28.	AM Ugbenyen	PhD; 2013	Characterization of bioflocculants produced by consortia of three marine bacteria consortia belonging to the genera <i>Bacillus</i> and <i>Cobetia</i> previously isolated from the bottom sediment of Algoa Bay in the Eastern Cape Province of South Africa.
29.	LV Mabinya	PhD; 2013	Production and biochemical characterization of new bioflocculants from bacteria isolated from freshwater and marine environments of the Eastern Cape in South Africa.

30.	INH Igbirosa	PhD; 2013	Surveillance of antibiotic resistance in some commensal bacteria belonging to <i>Aeromonas</i> and <i>Pseudomonas</i> genera isolated from agricultural and environmental sources in the Eastern Cape Province of South Africa.
31.	S Koba	PhD; 2013	Assessment of the incidence of <i>Escherichia coli</i> in Tyume and Buffalo rivers in the Eastern Cape Province of South Africa.
32.	UU Nwodo	PhD; 2013	Evaluation of consortia of three freshwater actinobacteria species belonging to the genera <i>Cellulomonas</i> , <i>Streptomyces</i> and <i>Brachybacterium</i> for bioflocculant production.
33.	K Okaiyeto	MSc; 2013	Production and characterization of a bioflocculant produced by a consortium of bacteria belonging to <i>Halomonas</i> and <i>Micrococcus</i> genera isolated from marine environment in the Eastern Cape.
34.	D Penduka	PhD; 2014	Anti-listerial properties of <i>Garcinia kola</i> seeds.
35.	V Nongogo	MSc; 2014	Evaluation of the final effluents of some wastewater treatment plants in Amathole and Chris Hani district municipality of the eastern cape province as sources of vibrio pathogens in the aquatic environment
36.	N Nontongana	MSc; 2014	Prevalence and antibiogram profiling of <i>Escherichia coli</i> pathotypes isolated from the Kat River and Fort Beaufort abstraction water.
37.	U Badela	MSc; 2014	Prevalence of Vibrio species in the final effluents of three wastewater treatment facilities in the Buffalo City Local Municipality of the Eastern Cape Province, South Africa.
38.	O Gcilitshana	MSc; 2014	Quality indices of the final effluents of two sub-urban based Wastewater treatment plants in Amathole District Municipality in the Eastern Cape.
39.	S Mazwi	MSc; 2014	Evaluation of some wastewater treatment facilities in Chris Hani and Amathole district municipalities as potential sources of <i>Escherichia coli</i> in the environment
40.	Z Seti	MSc; 2014	Prevalence of pathogenic <i>Escherichia coli</i> strains in the final effluents of four wastewater treatment plants in the Eastern Cape Province of South Africa
41.	P Ntloko	MSc; 2014	<i>Enterococcus</i> pathotypes as reservoirs of antibiotic resistance determinants in the Kat river and Fort Beaufort abstraction waters.
42.	N Bhembe	MSc; 2014	A retrospective study of Mycobacterium tuberculosis complex (MTBC) DNA from Port Elizabeth
43.	L Caine	MSc; 2014	Prevalence of Brucella species in cattle, sheep and goats from selected municipalities in the Eastern Cape, South Africa.
44.	MA Adefisoye	MSc; 2014	Assessment of the prevalence of faecal coliforms and <i>Escherichia coli</i> O157:H7 in the final effluents of two wastewater treatment plants in Amahlathi local Municipality of Eastern Cape Province, South Africa.
45.	A Ntloko	MSc; 2015	Evaluation of incidence of <i>Mycobacterium tuberculosis</i> complex associated with soil, Hayfeed

			and water in three Agricultural Facilities in Amathole district Municipality in the Eastern Cape, South Africa.
46.	OY Titilawo	PhD; 2015	Assessment of the quality indices and prevalence of <i>Escherichia coli</i> pathotypes in selected rivers of Osun State, South-Western Nigeria.
47.	OO Osuolale	PhD; 2015	Evaluation of the quality indices of the final effluents of two wastewater treatment plants in Buffalo city metropolitan municipality in the Eastern Cape Province.
48.	N Ntozonke	MSc; 2015	Assessment of bioflocculant production by two marine bacteria isolated from the bottom sediment of Algoa Bay.
49.	Z Lukanji	MSc; 2015	Isolation and molecular characterization of <i>Bacillus cereus</i> from cow's Raw milk.
50.	A Penkana	MSc; 2015	Characterization of some virulence and antibiotics resistance genes of <i>Staphylococcus aureus</i> isolated from cases of Bovine Mastitis in Nkonkobe Municipality, Eastern Cape.
51.	A Papiyana	MSc; 2015	Isolation and characterization of lignocellulose degrading bacteria from Tyume river in the Eastern Cape Province, South Africa.
52.	B Makapela	Msc; 2015	Evaluation of bioflocculant-producing potential of <i>Bacillus pumilus</i> strain isolated from Tyume river in the Eastern Cape Province of South Africa.
53.	C Iwu	MSc; 2015	Prevalence and antibiogram of some swine associated Shiga toxin producing <i>Escherichia coli</i> serogroups and <i>Salmonella</i> species in Nkonkobe Municipality, Eastern Cape, South Africa.
54.	K Okaiyeto	PhD; 2016	Evaluation of flocculating potentials and characterization of bioflocculants produced by three bacterial isolates from Algoa Bay, South Africa
55.	M Adefisoye	PhD; 2016	Evaluation of the Incidence of Enteric Viruses, <i>Vibrio</i> species and <i>Escherichia coli</i> Pathotypes in effluents of two Wastewater Treatment Plants Located in Keiskammahoek and Stutterheim in the Eastern Cape Province of South Africa
56.	E Fatokun	PhD; 2016	Exploration of Nahoon beach milieus for lignocelluloses degrading bacteria and optimizing for holocellulase production by selected strains
57.	Z Mmango	MSc; 2016	Evaluation of cellulase and xylanase production by two actinobacteria species belonging to the <i>Micrococcus</i> genus isolated from decaying lignocellulosic biomass.
58.	A Nkohla	MSc; 2016	Evaluation of cellulase and xylanase production potentials by two bacterial species isolated from decaying sawdust in Alice town in the Eastern Cape Province, South Africa
59.	Asive Myataza	MSc; 2016	Distribution of <i>Escherichia coli</i> O157:H7 in irrigation water, drinking water troughs, dairy wastewater and

			rectal swabs from three dairy farms in Amathole District Municipality, Eastern Cape, South Africa.
60.	L Msolo	MSc; 2016	Studies on the prevalence of <i>Escherichia coli</i> O157:H7 in raw milk, milking machines, udder and hand swabs collected from three selected dairy farms in the Eastern Cape Province, South Africa.
61.	N Ntsangani	MSc; 2016	Assessment of the flocculating efficiency of bioflocculant produced by <i>Bacillus</i> sp. AEMREG4 isolated from Thyume River, Eastern Cape, South Africa.
62.	A Ntloko,	MSc; 2016	Evaluation of incidence of <i>Mycobacterium tuberculosis</i> complex associated with soil, hayfeed and water in three Agricultural facilities in Amathole District Municipality in the Eastern Cape Province, South Africa.
63.	G Tanih	MSc; 2016	Genotypic and Phenotypic characterization of enterococci from cow dung and environmental water sources in three selected dairy farms in Amathole District.
64.	A Yahaya	PhD; 2017	Spatial and seasonal distribution of selected persistent organic pollutants and phenolics derivatives along the course of the Buffalo River in the Eastern Cape Province of South Africa.
65.	AO Adeniji	PhD; 2017	Petroleum hydrocarbon profiling of water and sediment from Algoa Bay and Buffalo River Estuary in Eastern Cape, South Africa.
66.	MO Oladokun	PhD; 2017	Prevalence and molecular characterization of Non-cholera causing <i>Vibrio</i> species from vegetable and irrigation water sources in Amathole District Municipality, Eastern Cape, South Africa.
67.	MC Owoseni	PhD; 2017	Chlorine disinfectant tolerance of microbial pathogens isolated from the final effluents of some wastewater treatment plants in the Eastern Cape, South Africa.
68.	N Bhembe	PhD; 2017	Molecular characterization of <i>Brucella</i> species in cattle sheep and goats from selected Municipalities in the Eastern Cape.
69.	L Caine	PhD; 2017	Molecular characterization of <i>Brucella</i> species in cattle, sheep and goats from Municipalities in the Eastern Cape, South Africa.
70.	KU Onyenankeya	PhD: 2017	Development communication for water conservation in rural and peri-urban communities: A study of three district municipalities in Eastern Cape, South Africa.
71.	OT Ademoyegun	PhD; 2017	Evaluation of some pharmaceutical, and personal care products and pesticide residues in selected wastewater treatment plants and receiving watersheds in the Eastern Cape Province, South Africa.
72.	I Adesiyani	PhD: 2017	Assessment of vibrio species and <i>Plesiomonas shigelloides</i> incidences, with their antibiotics resistance genes and physicochemical qualities of selected rivers in Southwest, Nigeria.



73.	AO Adelabu	MSc; 2017	Incidence and molecular characterization of swine Hepatitis E virus among swine herds in the Eastern Cape Province, South Africa.
74.	MA Agoro	MSc; 2017	Evaluation of physicochemical and heavy metal regimes in the final effluent of wastewater treatment plants in Alice, Bedford and Berlin in the Eastern Cape, South Africa.
75.	S Chisi	MSc; 2017	A snapshot survey of the incidence of pathogenic <i>Vibrio</i> species in freshwater resources in OR Tambo and Amathole District Municipalities in the Eastern Cape Province.
76.	KE Ebomah	MSc; 2017	Quality indices of the Nahoon beach and canal in Buffalo City Metropolitan Municipality, Eastern Cape, South Africa.
77.	S Gaqavu	MSc; 2017	Distribution of culturable <i>Vibrio</i> species in freshwater resources of Cacadu, OR Tambo and Chris Hani District Municipalities.
78.	EC Iheanacho	MSc; 2017	A snapshot study of the incidence of pathogenic <i>Vibrio</i> species in fresh water resources in OR Tambo and Amathole District Municipalities.
79.	S Mani	MSc; 2017	Quality indices of the Eastern Beach waters in Buffalo City Metropolitan Municipality, Eastern Cape, South Africa.
80.	D Mutukwa	MSc; 2017	Physicochemical and heavy metal fingerprints of the final effluents of Adelaide and Seymour wastewater treatment facilities in the Eastern Cape, South Africa.
81.	DT September	MSc; 2017	Detection and antibiogram profile of <i>Vibrio</i> species in UMzimvubu, Swartkops and Buffalo Rivers in the Eastern Cape Province, South Africa.
82.	O Taku	MSc; 2017	Incidence of Norovirus from pig and human faecal samples in the Eastern Cape, South Africa.
83.	A Igwaran	MSc; 2017	Antioxidant and antibacterial activities of <i>Urtica urens</i> and <i>Tegates minutam</i> used in Cala community in the treatment of bacterial infection in diabetic patients.
84.	A Adegborioye	MSc; 2017	In vitro evaluation of antimicrobial and antioxidant activities of <i>Olea europaea</i> subsp. <i>africana</i> and <i>Euryops brevipapposus</i> used by Cala Community Folkleric medicine for the management of infection associated with chronic non-communicable diseases
85.	Pola Stofile	MSc; 2018	Prevalence of group B streptococcus and staphylococcus aureus colonization in the anogenital tract of pregnant women in the Eastern cape Province, South Africa
86.	Omolajaiye, SA	MSc; 2018	Isolation and characterization of <i>E. coli</i> and <i>Campylobacter</i> spp. from diarrheal samples collected from selected hospitals in Amathole District Municipality, Eastern Cape, South Africa
87.	Dlamini, ZC	MSc; 2018	Application of putative probiotic bacteria to replace antibiotics as growth promoters in commercial and indigenous piglets

88.	Unuofin, John Onolame	PhD; 2018	Laccase production by selected bacteria species isolated from some aquatic and terrestrial milieu of the Eastern Cape: Applications in wastewater treatment
89.	Fadare, Taiwo Olawole	PhD; 2018	Distribution of cholera and non-cholera causing <i>Vibrio</i> species in some vegetables, rivers and irrigation waters in some communities in the Eastern Cape Province, South Africa.
90.	Allisen Okeyo	PhD; 2018	Prevalence of <i>Vibrio</i> pathogens in some wastewater final effluents and their receiving waterbodies, in the eastern cape: Sarah Baartman district municipality as case study
91.	Abioye, Oluwatayo Emmanuel	PhD; 2018	Molecular studies on cholera and non-cholera causing <i>Vibrio</i> pathogens isolated from some water resources and aquatic animals in Eastern Cape Province, South Africa
92.	Falade, AO	PhD; 2018	Production and molecular characterization of peroxidase from novel ligninolytic proteobacteria and bacillus strains.
93.	Salaudeen, TG	PhD; 2018	Removal rate of endocrine disruptors (phthalate and phenolic compounds) in effluents of selected wastewater treatment plants operated under different treatment technologies in the Eastern Cape, South Africa.
94.	Ojemaye, MO	PhD; 2018	Adsorption performance of some co-doped metal oxide nanocomposites for the removal of heavy metals from aqueous solution.
95.	N. Nontongana	PhD; 2018	Appraisal of Wastewater final effluents and river water as reservoirs of cholera and non-cholera causing <i>Vibrio</i> species: A case study of the Amatole and OR Tambo District Municipality.
96.	OA Osunla	PhD; 2018	Molecular epidemiology of <i>Vibrio</i> pathogens in selected surface waters and treated final effluents of wastewater treatment plants in Chris Hani District Municipality in the Eastern Cape Province, South Africa.
97.	KO Afolabi	PhD; 2018	Incidence of porcine circovirus type 2 and porcine parvoviruses in swine herds of some communities in Eastern Cape, South Africa
98.	Mukesi, M	PhD; 2018	Molecular characterization of <i>Streptococcus agalactiae</i> isolated from pregnant women in the Eastern Cape, South Africa and Windhoek, Namibia and antibacterial activities of some medicinal plant extracts on the isolates.
99.	Olaniyan LWB	PhD; 2018	Effect of human and ecological exposures to 4-tert-octylphenol and triclosan from the Buffalo River in the Eastern Cape Province, South Africa and their impacts on mitochondrial dysfunction in INS-1 cells.
100.	Pekana A	PhD; 2018	Characterization of <i>Staphylococcus aureus</i> isolated from raw milk and cow carcasses from selected dairy farms and abattoirs in the Eastern Cape Province, South Africa.
101.	OO Olusola- Makinde	PhD; 2018	Proficiency of hemolytic bacteria in the treatment of abattoir wastewater in Akure, Nigeria.

102.	Msolo L	PhD; 2019	Molecular and antibiogram characterization of some aetiological agents of gastroenteritis in some selected rural communities of the Amathole District Municipality in the Eastern Cape Province, South Africa.
103.	Adeniyi V	PhD; 2019	Genetic diversity, resistance profile of HIV risk assessment of mother-to-child transmission in pregnant women on antiretroviral therapy in the Eastern Cape, South Africa
104.	Sogbanmu O	PhD; 2019	Genetic characteristics of Human immunodeficiency virus-1, and determinants of late presentation for care and diabetes mellitus amongst newly diagnosed Human immunodeficiency virus positive patients in the Eastern Cape, South Africa.
105.	Gcilitshana O	PhD; 2019	Incidence of cholera-causing and non-cholera-causing pathogenic <i>Vibrio</i> Species in River-K and two of its feeder Wastewater Treatment Plants in Raymond Mhlaba Municipality, Eastern Cape Province of South Africa.
106.	Olisah C	PhD; 2019	Occurrence of brominated flame retardants and selected chlorinated hydrocarbons in surface water, sediments and fish tissues of Sundays and Swartkops River Estuaries, Eastern Cape Province, South Africa.
107.	Adeniji O	MSc' 2019	Characterisation of <i>Enterococcus</i> Species and physicochemical qualities of Kidd's Beach waters: An important recreational resources in the Eastern Cape Province of South Africa.
108.	Fadare F	MSc; 2019	Characterization of antimicrobial resistance in some members of Enterobacteriaceae in freshwater, wastewater, and untreated hospital effluents in Amathole and Chris Hani District Municipalities within Eastern Cape Province, South Africa.
109.	Mpaka L	MSc; 2019	Incidence and antibiogram fingerprints of members of the Enterobacteriaceae family recovered from river water, hospital effluents and vegetables in Chris Hani and Amathole District Municipalities in the Eastern Cape Province, South Africa
110.	TC Ekundayo	PhD; 2019	Studies on the prevalence, viro-distribution and predictive disease modelling of <i>Plesiomonas shigelloides</i> in Tyhume, Kubusi and Kat rivers in the Eastern Cape Province, South Africa
111.	TA Olasehinde	PhD; 2019	Characterization of Extracts from selected Algal Species and their Modulatory Effects on some Biomolecules Implicated in Alzheimer's disease.
112.	MA Adewoyin	PhD; 2019	Surveillance study on pathogenic <i>Acinetobacter</i> species in freshwater environment of the Amathole and Chris Hani District Municipalities, Eastern Cape, South Africa.

113.	NZ Mkuhlu	MSc; 2019	Characterization and antibiotic susceptibility profile of <i>Escherichia coli</i> pathotypes isolated from diarrhea samples within the Buffalo City Metropolitan Municipality, Eastern Cape, South Africa.
114.	A Nqoro	MSc; 2019	Genetic detection of some tick-borne bacterial and protozoan pathogens in ticks collected at Raymond Mhlaba Local Municipality in Eastern Cape Province, South Africa.
115.	DC Iwu	MSc; 2019	Characterization and antibiogram fingerprints of Enterobacteriaceae and <i>Listeria monocytogenes</i> in irrigation water and agricultural soil samples collected from Amathole and Chris Hani District Municipalities in the Eastern Cape Province, South Africa.
116.	KE Ebomah	PhD: 2020	Evaluation of the antibiogram fingerprints of carbapenem-resistant Enterobacteriaceae (CRE) recovered from selected environmental niches in three district municipalities in the Eastern Cape Province, South Africa.
117.	OA Adelabu	PhD: 2020	Molecular detection and characterization of zoonotic tick-borne bacterial, protozoan and viral pathogens in Amathole and O.R Tambo District Municipalities, Eastern Cape Province, South Africa.
118.	L Mpondo	MSc: 2020	Occurrence and antibiogram profiles of <i>Listeria</i> spp. and <i>Enterobacteriaceae</i> isolated from river and irrigation water samples collected from Sarah Baartman District Municipality in the Eastern Cape Province, South Africa
119.	Z Ntshanka	MSc: 2020	Incidence of antibiotic resistance in members of Enterobacteriaceae and <i>Listeria</i> species isolated from fresh vegetables in Sarah Baartman District Municipality, Eastern Cape Province, South Africa
120.	A Igwaran	PhD: 2020	Distribution and antibiogram fingerprints of <i>Campylobacter</i> species recovered from animal and environmental sources in rural and urban communities of the Eastern Cape Province, South Africa.
121.	VO Ayodele	MSc: 2021	Antibiotics combination therapy option for the control of antimicrobial resistant non-cholera causing <i>Vibrio</i> species recovered from environmental niches in the Eastern Cape, South Africa.
122.	Kayode Adeoye	PhD: 2022	Assessment of <i>Listeria monocytogenes</i> in typical food-water-agricultural products nexus in the Eastern Cape Province, South Africa.
123.	Folake Fadare	PhD: 2023	Molecular Characterization of integrons and their associated gene cassettes in multidrug-resistant Enterobacteriaceae isolates from environmental sources and the exploration of antibiotic combination against some resistant strains.

124.	Oluwaseun Adeniji	PhD: 2023	Evaluation of antimicrobial combination therapy options for the management of Integron mediated multidrug resistance in <i>Enterococcus</i> species and <i>Acinetobacter Baumannii</i> from aquatic environment in the Eastern Cape Province, South Africa.
125	Jawahar Al Blooshi	MSc: 2024 (UAE)	

### (b) Postdocs

Name	Degree	Status
Dr. DA Akinpelu	Postdoc	2008/2009
Dr. M Kolawole	Postdoc	2011/2012
Dr. A Ajayi	Postdoc	2012/2013
Dr. Sibanda T	Postdoc	2013
Dr. Nwodo UU	Postdoc	2013 to 2014
Dr. Iweriebor B	Postdoc	2013 to 2018
Dr. S Okoh	Postdoc	2015 to 2020
Dr. E Igbinosa	Postdoc	2016
Dr. MA Adefisoye	Postdoc	2017 to 2019
Dr M Ojemaye	Postdoc	2018 to date
Dr N Nontongana	Postdoc	2018 to 2019
Dr T Digban	Postdoc	2019
Dr KE Ebomah	Postdoc	2020 to date

### Membership of Professional Bodies

Organization/Board/Committee/Academies	Role & Contribution
<b>1. Regional</b> Nigerian Society of Microbiology Biotechnology Society of Nigeria Water Institute of Southern Africa South African Society for Microbiology Academy of Science of South Africa Nigerian Academy of Sciences	Fellow and Life Member Fellow and Member, Board of Trustee Fellow President (2011-2013), Member Member Fellow
<b>2. International</b> The Society for Experimental Biology (UK) African Academy of Sciences (AAS) Society for Applied Microbiology (SfAM) European Microbiological Society (FEMS) Royal Society of Biology (UK)	Member Fellow Member Member Fellow

### SELECTED JOURNALS REVIEWED FOR:

- FEMS Microbiology Letters.

- Environmental Microbiology.
- Letters in Applied Microbiology
- African Journal of Biotechnology
- Applied Microbiology & Biotechnology
- Chemosphere
- Water SA
- Mediterranean Marine Science
- Tropical and Subtropical Agroecosystems
- African Health Sciences.
- Journal of Applied and Environmental Sciences
- African Journal of Microbiology Research
- Bioresource Technology
- International Journal of Physical Sciences
- Microbiology Indonesia
- African Journal of Environmental Science and Technology.
- Grants applications review panelist (and panel Chair at one time), National Research Foundation (NRF) of South Africa; Medical Research Council; and Water Research Commission.
- Editorial Board member, Nigerian Journal of Biotechnology.
- Associate Editor, African Journal of Biotechnology.
- Editorial Board member, Scientific African.
- Editorial Board member, Research in Veterinary Science and Medicine.
- Editorial Board member, Journal of Phytomedicine, Synthetic Medicinal and Business Chemistry.
- Editorial Board member, Microbiology and Nature.

**TEACHING EXPERIENCE** (List courses taught and the size of classes)

Introductory Microbiology (BSc/Hons)
Experimental methods and interpretation in Microbiology (BSc/Hons)
Industrial Microbiology (BSc/Hons)
Environmental and Public Health Microbiology (BSc/Hons)
Petroleum Microbiology (BSc/Hons)
Microbial Genetics (BSc/Hons)
Research Project (BSc/Hons)
Microbial Physiology and Metabolism (BSc/Hons)
Immunology, Virology and Antimicrobial Chemotherapy (BSc/Hons)
Molecular Biology and Genetic Engineering (BSc/Hons)
Molecular Biology and Genetic Engineering (BSc/Hons)
Applied Microbiology and Biotechnology (BSc/Hons)
General Microbiology (BSc/Hons)
Techniques in Microbiology (BSc/Hons)
Molecular Biology and Genetic Engineering (BSc/Hons)
Biotechnology and Environmental Microbiology (BSc/Hons)
Practical and Project Presentation (BSc/Hons)
Seminars (BSc/Hons)
Environmental Toxicology (BSc/Hons)
Risk and Environmental Impact Assessment (BSc/Hons)
Environmental Microbiology (BSc/Hons)

Vector Control (BSc/Hons)
Field Training (BSc/Hons)
Graduate Project (BSc)
Environmental health Risk Assessment (MSc)
Food Microbiology (MSc)
Advanced Research Methodology (MSc)

## TEACHING PHILOSOPHY

My philosophy rests on fostering self-instruction, formulating questions rather than answers, and establishing high expectations amongst my students through establishment of very strong rapport with them. In many cases, students tend to follow the subject better when related to everyday occurrences such as reference to relevant current events and popular news articles, such as headlines regarding a new vaccine and other breakthroughs of microbiology, environmental pollution situations and their attendant negative consequences, as well as field trips to appropriate sites of relevance to the subject. To me, it is important to develop self-esteem and confidence in my students by ensuring that they are properly directed to proceed as such by provision of the necessary materials and guidance. I believe that one of the most rewarding aspects of teaching is the opportunity to learn from the students. I hope that by my contact with sharp, young minds, my own mind and those I teach will be kept forever young.

## EXTERNAL EXAMINER FOR:

- University of KwaZulu-Natal, Durban University of Technology
- Walter Sisulu University
- Rhodes University
- North-West University
- University of Pretoria
- Annamalai University, India.
- University of Ghana.
- University of Pretoria.
- University of Johannesburg.
- Cape Peninsula University of Technology.
- University of the Western Cape.

## PROFESSORIAL APPOINTMENT ASSESSOR FOR:

1. University of Nigeria, Nsukka
2. Lagos State University, Lagos, Nigeria
3. Central University College, Ghana.
4. Federal University of Technology, Akure, Nigeria.
5. University of Zimbabwe, Zimbabwe
6. University of Ghana, Ghana
7. University of Fort Hare, South Africa

8. University of Bahrain
9. University of Khartoum, Sudan
10. Covenant University, Nigeria.

***Published articles in peer-reviewed journals:***

**2024**

1. Akinola OO, Dahunsi SO, Okoh A (2024). Complete Genome Sequence of Multi-drug Resistant *Klebsiella quasipneumoniae* subsp. *Similipneumoniae* isolated from a Teaching Hospital Wastewater in Southwest, Nigeria. *Microbiology Resource Announcement*. doi: 10.1128/mra.00727-23.
2. Jawahar Al Blooshi, Rami Elhadi and Anthony Ifeanyi Okoh (2023). Awareness of the use of personal protective equipment among construction workers. *Advances in Biomedical and Health Sciences*. 3(1): 13-19. DOI: 10.4103/abhs.abhs\_40\_23.
3. Sinozuko Hope Bika, Abiodun Olagoke Adeniji, Mike Onyewehelehi Ojemaye, Elsidig Ahmed Elmustafa Elsheikh, Brilliance Onyinyechi Anyanwu, Anthony Ifeanyi Okoh and Omobola Oluranti Okoh (2024). Synthesis of EDTA-cysteine- $\beta$ -cyclodextrin for the removal of organophosphate flame retardants (OPFR) from sediments and soil samples from the Buffalo River Estuary, Eastern Cape of South Africa. *Heliyon*, Heliyon 10: e24951.
4. Elhadi R, Okoh AI, Semerjian L. (2024). Review of occupational exposure to severe acute respiratory syndrome coronavirus-2 in wastewater and its implications in the gulf region. *Adv Biomed Health Sci*. DOI: 10.4103/abhs.abhs\_38\_23.
5. Ashgan Al-Karmadi and Anthony Ifeanyi Okoh (2024). An overview of Date (*Phoenix dactylifera*) fruits as an important global food resource, 13, 1024. <https://doi.org/10.3390/foods13071024>.
6. Semerjian L, Adeniji AO and Okoh AI (2024). Assessment of elemental chemistry, spatial distribution and potential risks of road deposited dusts in Sharjah, United Arab Emirates. *Heliyon*.
7. Qongwe V.V., Ebomah, K.E., Msolo, L. and Okoh, A.I., (2024). Using Quantitative Microbial Risk Assessment (QMRA) of SARS-CoV-2 to understand possible exposure to health risks in selected wastewater treatment plants located in the Eastern region of South Africa. *Microbial Risk Analysis* (Accepted).
8. Eed M.S., Okoh, A., Semerjian, L. (2024) Irrigation water in the arid environment: current trends and future perspectives, **Conference Proceedings: 2024 Environmental Design, Material Science, and Engineering Technologies - EDMSET**, April 22-24, 2024, United Arab Emirates

**2023**

9. Christy Echakachi Manyi-Loh, Anthony Ifeanyi Okoh and Ryk Lues (2023). Prevalence of multidrug resistant bacteria (enteropathogens) recovered from a blend of pig manure and pinewood saw dust during anaerobic co-digestion in a steel biodigester. *Int. J. Environ. Res. Public Health*, 20: 984. <https://doi.org/10.3390/ijerph20020984>. **IF: 4.962. First Qtr.**
10. Ekundayo T.C., Ijabadeniyi O.A., Igbinsosa E.O. and Okoh A.I. (2023). Using machine-learning models to predict effects of seasonal fluxes on *Plesiomonas shigelloides* population density. *Environmental Pollution*, 317: 120734. **IF: 9.988. First Qtr.**
11. Ziphoh Samuel, Mike O. Ojemaye, Omobola O. Okoh and Anthony I. Okoh (2023).



- Adsorption of simazine herbicide from aqueous solution by novel pyrene functionalized zinc oxide nanoparticles: Kinetics and isotherm studies. *Materials Today Communications*, 34:105435. IF: **3.662. First Qtr**
12. Isoken H Igbinosa, Chukwunonso N Amolo, Abeni Beshiru, Olajide Akinnibosun, Abraham G Ogofure, Maged El-Ashker, Mayada Gwida, Anthony I Okoh and Etinosa O. Igbinosa (2023). Identification and characterization of MDR virulent *Salmonella* spp isolated from smallholder poultry production environment in Edo and Delta States, Nigeria. *PLOS ONE*. 18(2): e0281329. <https://doi.org/10.1371/journal.pone.0281329>. IF: **3.752. First Qtr.**
  13. Oluwaseun Ola Adeniji, Nolonwabo Nontongana and Anthony Ifeanyi Okoh (2023). Prevalence of class 1 integron and in vitro effect of antibiotic combinations of multidrug-resistant *Enterococcus* species recovered from the aquatic environment in the Eastern Cape Province, South Africa. *Int J Mol Sci*. 24, 2993. <https://doi.org/10.3390/ijms24032993>. IF: **6.208. First Qtr.**
  14. Etinosa Igbinosa, Abeni Tunde Beshiru, Isoken Henrietta Igbinosa, Abraham Ogofure, Temitope Cyrus Ekundayo and Anthony Okoh (2023). Prevalence, Multiple Antibiotic Resistance and Virulence Profile of Methicillin-Resistant *Staphylococcus aureus* (MRSA) in Retail Poultry Meat from Edo, Nigeria. *Front. Cell. Infect. Microbiol*. 13:1122059. doi: 10.3389/fcimb.2023.1122059. IF: **6.073. First Qtr.**
  15. Manyi-Loh, C.E.; Okoh, A.I.; Lues, R. (2023). Occurrence and Multidrug Resistance in Strains *Listeria monocytogenes* Recovered from the Anaerobic Co-Digestion Sludge Contained in a Single Stage Steel Biodigester: Implications for Antimicrobial Stewardship. *Microorganisms*, 11, 725. <https://doi.org/10.3390/microorganisms11030725>. IF: **4.926. First Qtr.**
  16. Kayode, A.J and Okoh, A.I. (2023). Antimicrobial-Resistant *Listeria monocytogenes* in Ready-to-Eat Foods: Implications for Food Safety and Risk Assessment. *Foods*, 12, 1346. <https://doi.org/10.3390/foods12061346>. IF: **5.561. First Qtr.**
  17. Igbinosa IH, Igharo OG and Okoh AI (2023). An Appraisal of Poisoning Patterns among Adolescent Patients Admitted into Tertiary Care Hospitals in Nigeria. *University of Lagos Journal of Basic Medical Sciences Volume 10, Numbers 1 & 2: 97-104.* IF: **2.532. Second Qtr.**
  18. Olayinka A. Aiyegoro, Jeremia N. Moyane, Anthony A. Adegoke, Afam I. O. Jideani, Poovendhree Redd and Anthony I. Okoh (2023). Virulence Signatures, Integrons, and Antibiotic Resistance Genes in Bacterial Strains Recovered from Selected Commercial Dairy Products and Fresh Raw Meat. *Curr Microbiol*, **80**, 254 (2023). <https://doi.org/10.1007/s00284-023-03371-4>. IF: **2.343. (Second Qtr)**
  19. Abeni Beshiru, Isoken H. Igbinosa, Tessy I. Enabulele, Abraham G. Ogofure, Adeoye J. Kayode, Anthony I. Okoh and Etinosa O. Igbinosa (2023). Biofilm and antimicrobial resistance profile of extended-spectrum  $\beta$ -lactamase (ESBL) and AmpC  $\beta$ -lactamase producing *Enterobacteriaceae* in vegetables and salads. *LWT- Fd Sci Tech.*, 182: 114913. <https://doi.org/10.1016/j.lwt.2023.114913>. IF: **6.054. Third Qtr.**
  20. Temitope C. Ekundayo, Mary A. Adewoyin, Oluwatosin A. Ijabadeniyi, Etinosa O. Igbinosa and Anthony I. Okoh (2023). Machine learning-guided determination of *Acinetobacter* density in waterbodies receiving municipal and hospital wastewater effluents. *Scientific Reports*, 13:7749. <https://doi.org/10.1038/s41598-023-34963-6>. IF: **4.997. Second Qtr.**
  21. Cecilia Y. Ojemaye, Mike O. Ojemaye, Anthony I. Okoh & Omobola O. Okoh (2023) Evaluation of the research trends on perfluorinated compounds using bibliometric analysis: knowledge gap and future perspectives, *Journal of Environmental Science and Health, Part A*, 58:6, 570-595, DOI: 10.1080/10934529.2023.2203639. IF: **2.582. Second Qtr.**

22. Nnanake-Abasi O Offiong, John B Edet, Solomon E Shaibu, Nyaknno E Akan, Edidiong O Atakpa, Edmond Sanganyado, Imeh J Okop, Nsikak U Benson and Anthony Okoh (2023). Metagenomics: an emerging tool for the chemistry of environmental remediation. *Frontiers in Environmental Chemistry*. Volume 4: 1052697. <https://doi.org/10.3389/fenvc.2023.1052697>. **IF: 5.545. Second Qtr.**
23. Ifeoluwa O. Daramola, Mike O. Ojemaye, Anthony I. Okoh and Omobola O. Okoh (2023) "Occurrence of herbicides in the aquatic environment and their removal using advanced oxidation processes: A critical review. *Environmental Geochemistry and Health*, 45:1231–1260. **IF: 4.898. Third Qtr.**
24. Idowu Victoria Agunbiade, Abiodun Olagoke Adeniji, Anthony Ifeanyi Okoh, Omobola Oluranti Okoh (2023). Seasonal variations and associated health risks of polychlorinated naphthalenes in Markman Canal, Eastern Cape Province, South Africa. *Environmental Geochemistry and Health*. 45: 2051–2063. <https://doi.org/10.1007/s10653-022-01324-7>. **IF: 4.898. Third Qtr.**
25. Bisi-Johnson, M.A., Adedeji, A.A., Sulaiman, A.A. Adebayo A., Adefisoye, Martins A. and Okoh, Anthony I (2023). Isolation and genotypic characterization of extended-spectrum beta-lactamase-producing *Escherichia coli* O157:H7 and *Aeromonas hydrophila* from selected freshwater sources in Southwest Nigeria. *Sci Rep* **13**, 10746. <https://doi.org/10.1038/s41598-023-38014-y>. **Third Qtr.**
26. Amahle Bokveld, Nonso E. Nnolim, Tennison O. Digban, Anthony I. Okoh & Uchechukwu U. Nwodo (2023) *Chryseobacterium aquifrigidense* keratinase liberated essential and nonessential amino acids from chicken feather degradation. *Environmental Technology*, 44:3, 293-303, DOI: 10.1080/09593330.2021.1969597. **IF: 3.475**
27. Olaniyan, O.O., Adeniji, A. O., Semerjian, L., Okoh, A. I., & Okoh, O. O. (2023). Global Co-Occurrence of Trace Elements and Additive Legacy Brominated Flame Retardants in Aquatic Environment: A Cause for Concern. *Journal of Hazardous Materials Advances*. Volume 11: 100337. <https://doi.org/10.1016/j.hazadv.2023.100337>. **IF:**
28. Iwu CD, Nontongana N, Iwu-Jaja CJ, Anyanwu BO, du Plessis E, Korsten L, et al. (2023) Spatial diarrheal disease risks and antibiogram diversity of diarrheagenic *Escherichia coli* in selected access points of the Buffalo River, South Africa. *PLoS ONE* 18(8): e0288809. <https://doi.org/10.1371/journal.pone.0288809>. **IF: 3.752.**
29. Folake Temitope Fadare, Taiwo Olawole Fadare and Anthony Ifeanyi Okoh (2023). Decision on Abundance, molecular characterization of integrons and its associated gene cassettes in *Klebsiella pneumoniae* and *K. oxytoca* recovered from diverse environmental matrices. *Scientific Report*, 13:14373. <https://doi.org/10.1038/s41598-023-41591-7>. **IF: 4.997.**
30. Abioye OE, Nontongana N, Osunla CA, Okoh AI (2023) Antibiotic resistance and virulence genes profiling of *Vibrio cholerae* and *Vibrio mimicus* isolates from some seafood collected at the aquatic environment and wet markets in Eastern Cape Province, South Africa. *PLOS ONE* 18(8): e0290356. <https://doi.org/10.1371/journal.pone.0290356>. **IF: 3.700**
31. Abiodun O Adeniji, Kunle Okaiyeto, Mosotho J George, Emmanuel B Tanor, Lucy Semerjian, Anthony I Okoh (2023). A systematic assessment of research trends on polycyclic aromatic hydrocarbons in different environmental compartments using bibliometric parameters. *Environ Geochem Health* **45**, 1289–1309. <https://doi.org/10.1007/s10653-022-01353-2>. **IF: 4.898**
32. Manyi-Loh, C.E., Okoh, A.I. and Lues, R (2023). Prevalence of Multidrug-Resistant Bacteria (Enteropathogens) Recovered from a Blend of Pig Manure and Pinewood Saw Dust during Anaerobic Co-Digestion in a Steel Biodigester. *Int. J. Environ. Res. Public Health*, 20, 984. <https://doi.org/10.3390/ijerph20020984>. **IF: 4.614.**
33. Lucy Semerjian, Aissa Salima, Abdallah Shanableh, Anthony Okoh, Mohammad Harb

Semreen, Muath Khairi Mousa, Rami Adil Eltahir Elhadi, and Rouba Abdulsalam Alhameed (2023). Occurrence, Spatial and Seasonal Variations of Emerging Contaminants in the Aquatic Environment of Sharjah, United Arab Emirates. *Chemosphere*, Volume 345, 140426.

<https://doi.org/10.1016/j.chemosphere.2023.140426>. **IF: 8.94.**

34. Oluwatayo E. Abioye, Charles A. Osunla, Nolonwabo Nontongana and Anthony Okoh (2023). Occurrence of virulence determinants in *Vibrio cholerae*, *Vibrio mimicus*, *Vibrio alginolyticus*, and *Vibrio parahaemolyticus* isolates from important water resources of Eastern Cape, South Africa. *BMC Microbiology*, 23(1): 316. **IF: 4.2.**

## 2022

35. Adeoye J. Kayode and Anthony I. Okoh (2022). Incidence and genetic diversity of multi-drug resistant *Listeria monocytogenes* isolates recovered from fruits and vegetables in the Eastern Cape Province, South Africa. *International Journal of Food Microbiology*, 363: 109513. **IF: 5.911.**
36. Hope Onohuean, Anthony I. Okoh, Uchechukwu U. Nwodo (2022). Antibigram signatures of *Vibrio* species recovered from surface waters in Southwestern districts of Uganda: Implications for environmental pollution and infection control. *Science of The Total Environment*, 807(2): 150706. <https://doi.org/10.1016/j.scitotenv.2021.150706>. **IF: 10.75.**
37. Chidozie Declan Iwu, Chinwe Juliana Iwu-Jaja, Rami Elhadi, Lucy Semerjian and Anthony Ifeanyi Okoh (2022). Modelling the potential risk of infection associated with *Listeria monocytogenes* in irrigation water and agricultural soil in two District Municipalities in South Africa. *Microorganisms*, 10, 181. **IF: 4.78.**
38. Bright E Igere, Anthony I. Okoh and Uchechukwu U. Nwodo (2022). Atypical and dual biotypes variant of virulent SA-NAG-*Vibrio cholerae*: An evidence of emerging/evolving patho-significant strain in Municipal domestic water sources. *Annals of Microbiology*, 72 (1):1-13 <https://doi.org/10.1186/s13213-021-01661-5>. **IF: 2.7.**
39. Ekundayo T. C, Orimoloye I. R, Ololade O. O., **Okoh A. I.** (2022). Prioritization of health emergency research and disaster preparedness: a systematic assessment of corona virus disease 2019 (COVID-19) pandemic. *Data Science for COVID-19*, Vol 2: Pages 465-486. <https://doi.org/10.1016/B978-0-323-90769-9.00033-5>.
40. Sinozuko Hope Bika, Abiodun Olagoke Adeniji, Anthony Ifeanyi Okoh and Omobola Oluranti Okoh (2022). Spatiotemporal Distribution and Analysis of Organophosphate Flame Retardants in the Environmental systems: A review. *MOLECULES*, 2, 27, 573. <https://doi.org/10.3390/molecules27020573>. **IF: 4.927.**
41. Nonkululeko Landy Mdeni, Abiodun Olagoke Adeniji, Anthony Ifeanyi Okoh, Omobola Oluranti Okoh (2022). Analytical Evaluation of Carbamate and Organophosphate Pesticides in Human and Environmental Matrices: A Review. *MOLECULES*, 27, 618. <https://doi.org/10.3390/molecules27030618>. **IF: 4.927.**
42. Iwu, C.D.; Iwu-Jaja, C.J.; Okoh, A.I.; Otim, M.E.; Al Marzouqi, A.M. (2022). Estimating the Risk of Acute Gastrointestinal Disease Attributed to *E. coli* O157:H7 in Irrigation Water and Agricultural Soil: A Quantitative Microbial Risk Assessment. *Sustainability*, 14, 1878. <https://doi.org/10.3390/su14031878>. **IF: 3.251**
43. Chinemerem Ruth Ohoro, Abiodun Olagoke Adeniji, Lucy Semerjian, Anthony Ifeanyi Okoh, Omobola Oluranti Okoh (2022). Occurrence and Risk Assessment of Polybrominated Diphenyl Ethers in Surface Water and Sediment of Nahoon River Estuary, South Africa. *MOLECULES*, 27(3), 832. **IF: 4.927.**
44. Chidozie Declan Iwu, Adeoye John Kayode, Bright Ese Igere and **Anthony Ifeanyi Okoh** (2022). High levels of multi drug resistant *Escherichia coli* pathovars in preharvest

- environmental samples: A ticking time bomb for fresh produce related disease outbreak. *Front. Environ. Sci.* 10:858964. doi: 10.3389/fenvs.2022.858964. **IF: 4.24.**
45. Bright E. Igere, Anthony I. Okoh, Uchechukwu U. Nwodo (2022). Lethality of resistant/virulent environmental *Vibrio cholerae* in wastewater release: An evidence of emerging virulent/antibiotic-resistant-bacteria contaminants of public health concern. *Environmental Challenges* 7: 100504. **IF: 2.57.**
  46. Chinemerem Ruth Ohoro, Abiodun Olagoke Adeniji, Elsiddig A. E. Elsheikh, Amina Al-Marzouqi, Michael Otim, Omobola Oluranti Okoh and Anthony Ifeanyi Okoh. Influence of Physicochemical parameters on PPCPs occurrences in the wetlands. *Environmental Monitoring and Assessment*, 194:339. <https://doi.org/10.1007/s10661-022-09990-x>. **IF: 2.513.**
  47. Bright E. Igere, Anthony I. Okoh and Uchechukwu U. Nwodo (2022). Non-serogroup O1/O139 agglutinable *Vibrio cholerae*: a phylogenetically and genealogically neglected yet emerging potential pathogen of clinical relevance. *Archives of Microbiology*, 204:323. <https://doi.org/10.1007/s00203-022-02866-1>. **IF: 2.552.**
  48. Mapipa Q, Digban TO, Nnolim NE, Nontongana N, **Okoh AI** and Nwodo UU (2022). Molecular characterization and antibiotic susceptibility profile of *Acinetobacter baumannii* recovered from hospital wastewater effluents. *Current Microbiology*. **IF: 2.29.**
  49. Beshiru A, Okoh AI, Igbinosa EO (2022). Processed ready-to-eat (RTE) foods sold in Yenagoa Nigeria were colonized by diarrheagenic *Escherichia coli* which constitute a probable hazard to human health. *PLoS ONE*, 17(4):e0266059. Doi:10.1371/journal.pone.0266059. **IF: 3.752.**
  50. Okoh AI, Fadare FT. Integrons as emerging contaminants facilitating the widespread of antimicrobial resistance in Enterobacteriaceae. *Adv Biomed Health Sci* 2022;1:68-78. **IF: 0.48.**
  51. Mike O. Ojemaye, Anthony I. Okoh (2022). Appraising the bioactivity potentials of eco-friendly synthesized metallic nanoparticles. **Book Chapter** In: *Bioenergy and Environmental Biotechnology for Sustainable Development*, Vol. 6 Part 1:3. Eds: Akinola Rasheed Popoola, Emeka Godfrey Nwoba, James Chukwuma Ogbonna, Charles Oluwaseun Adetunji, Nwadiuto (Diuto) Esiobu, Abdulrazak B. Ibrahim, Benjamin Ewa Ubi. CRC Press Publ. Taylor and Francis. ISBN 9780367760465. <https://doi.org/10.1201/9781003180289>.
  52. Mojisola Owoseni, Anthony I Okoh (2022). New insights into chlorine disinfectant usage in water quality: a need for review of existing guidelines. **Book Chapter** In: *Bioenergy and Environmental Biotechnology for Sustainable Development* Vol. 6 Part 2:8. Eds: Akinola Rasheed Popoola, Emeka Godfrey Nwoba, James Chukwuma Ogbonna, Charles Oluwaseun Adetunji, Nwadiuto (Diuto) Esiobu, Abdulrazak B. Ibrahim, Benjamin Ewa Ubi. CRC Press Publ. Taylor and Francis. ISBN 9780367760465.
  53. Eric T. Anthony, Mike O. Ojemaye, Omobola O. Okoh, Anthony I. Okoh. Influence of different Ag/ZnO heterostructures on the removal efficiency of multidrug-resistant *Enterococcus faecium* harbouring multiple resistance genes from tap water. *Environmental Progress & Sustainable Energy*, June 3, 2022. <https://doi.org/10.1002/ep.13925>. **IF: 2.431.**
  54. Kingsley Ehi Ebomah, Luyanda Msolo, Anthony Okoh (2022). A review on SARS-CoV-2 genome in the environment: Prevalence, persistence and the future prospects. *WATER*, 12: 14. <https://doi.org/10.3390/w14132020>. **IF: 3.53.**
  55. Adeoye J. Kayode and Anthony I. Okoh (2022). Assessment of multidrug-resistant *Listeria monocytogenes* in milk and milk product and One Health perspective. *Plos One*. 17 (7), e0270993. 10.1371/journal.pone.0270993. **IF: 3.752.**
  56. AO Adeniji, K Okaiyeto, MJ George, EB Tanor, L Semerjian, and AI Okoh (2022). A systematic assessment of research trends on polycyclic aromatic hydrocarbons in

- different environmental compartments using bibliometric parameters. *Environmental Geochemistry and Health*, 1-21. <https://doi.org/10.1007/s10653-022-01353-2>. **IF: 4.932.**
57. Folake Temitope Fadare, Elsiddig A. E. Elsheikh, Anthony Ifeanyi Okoh (2022). *In vitro* assessment of combinatorial antibiotic treatment against some integron-harbouring Enterobacteriaceae from environmental sources. *Antibiotics*, 11, 1090. <https://doi.org/10.3390/antibiotics11081090>. **IF: 4.369.**
58. Olubukola Olayemi Olusola-Makinde, Daniel Juwon Arotupin and Anthony Ifeanyi Okoh (2022). Optimization of haemolysin production by *Alcaligenes* species isolated from abattoir wastewater samples in Akure, Ondo State, Nigeria. *Kuwait Journal of Science*. *Kuwait J. Sci.*, Vol.49 (3): 1-19. **IF: 0.948.**
59. Kayode, J. Adeoye and Anthony I. Okoh, 2022. Antibiotic resistance profile of *Listeria monocytogenes* recovered from ready-to-eat foods surveyed in South Africa. *Journal of Food Protection* 85(12):1807-1814 <https://doi.org/10.4315/JFP-22-090>. **IF: 2.58.**
60. Adaora S. Ezeuko, Mike O. Ojemaye, Omobola O. Okoh, Anthony I. Okoh (2022). The effectiveness of silver nanoparticles as a clean-up material for water polluted with bacteria DNA conveying antibiotics resistance genes: Effect of different molar concentrations and competing ions. *OpenNano*, Vol. 7: 100060. **IF: 8.4.**
61. Zizipho Ntshanka, Temitope C. Ekundayo, Erika M. Du Plessis, Lise Korsten, Anthony Ifeanyi Okoh (2022). Occurrence and molecular characterization of multidrug resistant vegetable-borne *Listeria monocytogenes* isolates. *Antibiotics*, 11, 1353. <https://doi.org/10.3390/antibiotics11101353>. **IF: 4.369.**
62. Ziphoh Samuel, Mike Ojemaye, Omobola Okoh and Anthony Okoh (2022). Zinc oxide nanoparticles functionalized with chelating nitrogenous groups for the adsorption of methyl violet in aqueous solutions. *Results in Chemistry*, Vol. 4: 100579. **IF: 2.21.**
63. Oluwaseun Ola Adeniji, Elsiddig A. E. Elsheikh and Anthony Ifeanyi Okoh (2022). Prevalence of classes 1 and 2 integrons in multidrug-resistant *Acinetobacter baumannii* isolates recovered from some aquatic environment in South Africa. *Scientific Reports*, 12:20319. **IF: 4.996.**
64. Adaora S. Ezeuko, Mike O. Ojemaye, Omobola O. Okoh, Anthony I. Okoh (2022). Influence of different chaotropic salts on etched mesoporous silica nanoparticles for the removal of bacteria DNA conveying antibiotic resistance genes from hospital wastewater. *Journal of Cleaner Production*, 381: 135157. **IF: 11.072.**
65. Ibukun M. Adesiyun, Mary A. Bisi-Johnson and Anthony I. Okoh (2022). Incidence of antibiotic resistance genotypes of *Vibrio* species recovered from selected freshwaters in Southwest Nigeria. *Scientific Reports*, 12:18912. <https://doi.org/10.1038/s41598-022-23479-0>. **IF: 4.996.**
66. Adeniji Oluwaseun, Ojemaye Mike and Okoh Anthony (2022). Antibacterial activity of metallic nanoparticles against multidrug-resistant pathogens isolated from environmental samples: nanoparticles/antibiotic combination therapy and cytotoxicity study. *ACS Applied Bio Materials*, 5 (10): 4814-4826. **IF: 5.097.**
67. Etinosa O. Igbinosa, Abeni Beshiru, Isoken H. Igbinosa and Anthony I. Okoh (2022). Antimicrobial Resistance and Genetic Characterisation of *Salmonella enterica* from 4 Retail Poultry Meats in Benin City, Nigeria. *LWT - Food Science and Technology*, 169: 114049. **IF: 6.056.**
68. Olaniyan, LWB and Okoh AI (2022). In vitro biochemical assessment of mixture effects of two endocrine disruptors on ins-1 cells. *Scientific Report*, 12: 20102. **IF: 4.996.**
69. Kayode Adeoye and Anthony Okoh (2022). Assessment of the molecular epidemiology and genetic multiplicity of *Listeria monocytogenes* recovered from ready-to-eat foods following the South African listeriosis outbreak. *Scientific Report*, 12:20129. **IF: 4.996.**
70. Oluwaseun Ola Adeniji, Nolonwabo Nontongana, Janet C Okoh and Anthony I Okoh (2022). Antibiotics combination therapy strategies in the management of multidrug-

resistant infections: A review. *International Journal of Molecular Sciences*, 23 (23), 15038; <https://doi.org/10.3390/ijms232315038>. **IF: 6.208.**

## 2021

71. Nnolim NE, Okoh AI and Nwodo UU (2021). Elucidation of coding gene and characterization of alkaline metallo-keratinase produced by acidophilic *Bacillus* sp. Okoh-K1 grown on chicken feather. *Env Tech & Innov* 21: 101285. <https://doi.org/10.1016/j.eti.2020.101285>. **IF: 3.356.**
72. Ojemaye MO, Okoh SO and Okoh AI (2021). Silver nanoparticles (AgNPs) facilitated by plant parts of *Crataegus ambigua* Becker AK extracts and their antibacterial, antioxidant and antimalarial activities. *Green Chemistry Letters and Reviews*. 14(1): 49-59, DOI: 10.1080/17518253.2020.1861344 **IF: 4.611.**
73. Liyabona Mpondo, Kingsley Ehi Ebomah, Anthony Ifeanyi Okoh (2021). Multidrug resistant *Listeria* species shows abundance in environmental waters of a key District Municipality in South Africa. *Int. J. Environ. Res. Public Health*, 18:481. <https://doi.org/10.3390/ijerph18020481>. **IF: 3.39.**
74. Eric Anthony, Mike Ojemaye, Anthony Okoh and Omobola Okoh (2021). Potentials of low-cost methods for the removal of antibiotic-resistant bacteria and their genes in low budget communities: A review. *Journal of Water Process Engineering*. 40, 101919. **IF: 3.46.**
75. Adeniyi, O.V., Obi, C.L., Goon, D.T., Iweriebor, B., Chitha, W. and Okoh, A.I. (2021). Genetic Characterization of HIV-1 Subtype A1/C/D/B/K Unique Recombinant Form from Eastern Cape, South Africa. *AIDS Research and Human Retroviruses*, 37 (2), 162-168. <https://doi.org/10.1089/aid.2020.0160>. **IF: 1.805.**
76. Temitope Cyrus Ekundayo Aboi Igwaran, Yinka D. Oluwafemi and Anthony I. Okoh and Anthony I. Okoh (2021). Global assessment of research trends on microbial chlorine resistance in drinking water/wastewater treatment systems *Journal of Environmental Management*, 278(2):111641. DOI: 10.1016/j.jenvman.2020.111641. **IF: 8.91.**
77. Nwabunwanne Nwokolo, Vuyokazi Tonga, Abiodun Olagoke Adeniji, Mike O. Ojemaye, Patrick Mukumba and Anthony Ifeanyi Okoh (2021). Torrefaction characteristics of blended ratio of sewage sludge and sugarcane bagasse for energy production. *Appl. Sci.* 2021, 11, 2654. <https://doi.org/10.3390/app11062654>. **IF: 1.689.**
78. Chidozie Declan Iwu, Erika du Plessis, Lise Korsten & Anthony Ifeanyi Okoh (2021): Antibigram imprints of *E. coli* O157:H7 recovered from irrigation water and agricultural soil samples collected from two district municipalities in South Africa, *International Journal of Environmental Studies*, DOI: 10.1080/00207233.2020.1854522. **IF 2.037.**
79. Ebomah, K.E. and Okoh, A.I. (2021). *Enterobacter cloacae* harbouring *bla*NDM-1, *bla*KPC, and *bla*OXA-48-like carbapenem-resistant genes isolated from different environmental sources in South Africa. *International Journal of Environmental Studies*, 78 (1), 151-164. <https://doi.org/10.1080/00207233.2020.1778274>. **IF: 2.037.**
80. Kunle Okaiyeto, Heinrich Hoppe, Anthony I. Okoh (2021) Plant-based synthesis of silver nanoparticles using aqueous leaf extract of *Salvia officinalis*: Characterization and its antiplasmodial activity. *Journal of Cluster Science*, 32 (1), 101-109. <https://doi.org/10.1007/s10876-020-01766-y>. **IF: 1.302.**
81. Oladele Vincent Adeniyi, Chikwelu Larry Obi, Daniel Ter Goon, Benson Iweriebor, Nonkosi Selanto-Chairman, Craig Carty, Gordana Avramovic, Anthony Idowu Ajayi, John Lambert, Anthony Okoh (2021). Factors Associated with Peripartum Virologic Suppression in the Eastern Cape Province, South Africa: A Retrospective Cross-

- sectional Analysis. *Clinical Infectious Diseases*, 73(10):1750-1758. <https://doi.org/10.1093/cid/ciab206>. **IF: 21.00.**
82. Charles Ayodeji Osunla, Oluwatayo Emmanuel Abioye and Anthony I Okoh (2021). Distribution and Public Health Significance of Vibrio Pathogens Recovered from Selected Treated Effluents in the Eastern Cape Province, South Africa. *WATER*, 13, 932. <https://doi.org/10.3390/w13070932>. **IF: 3.103.**
  83. Nwabunwanne Nwokolo, Vuyokazi Tonga, Abiodun Olagoke Adeniji, Mike O. Ojemaye, Patrick Mukumba, Anthony I Okoh (2021). Improving the solid fuel properties of a lignocellulose and non- lignocellulose materials through torrefaction. *MATERIALS*, 14, 2072. <https://doi.org/10.3390/ma14082072>. **IF: 3.623.**
  84. Adesiyani IM, MA Bisi-Johnson, AA Ogunfowokan and AI Okoh (2021). Occurrence and antibiogram signatures of some Vibrio species recovered from selected rivers in South West Nigeria. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-021-13603-4>. **IF: 4.223.**
  85. Ezeuko AS, Ojemaye M, Okoh OO and Okoh AI (2021). Potentials of metallic nanoparticles for the removal of antibiotics resistant bacteria and antibiotic resistance genes from wastewater: A critical review. *Journal of Water Process Engineering*, 41, 102041. **IF: 5.485.**
  86. Temitope Abiola Ekundayo, Tosin Abiola Olasehinde, Kunle Okaiyeto and Anthony Okoh (2021). Microbial pathogenesis and pathophysiology of Alzheimer diseases: A systematic assessment of microorganisms' implications in the neurodegenerative disease. *Frontiers in Neuroscience*, section Neurodegeneration, 15, 454. **IF: 3.566.**
  87. Oluwatayo Emmanuel Abioye, Ayodeji Charles Ayodeji and Anthony I Okoh (2021). Molecular detection and distribution of six medically important Vibrio spp. in selected freshwater and brackish water resources in Eastern Cape Province, South Africa. *Frontiers in Microbiology*, section Aquatic Microbiology, 12, 903. <https://doi.org/10.3389/fmicb.2021.617703>. **IF: 6.064.**
  88. Chinemerem Ruth Ohoro, Abiodun Olagoke Adeniji, Anthony Ifeanyi Okoh and Omobola Oluranti Okoh (2021). Polybrominated diphenyl ethers in the Environmental systems: A review. *Journal of Environmental Health Science and Engineering*. <https://doi.org/10.1007/s40201-021-00656-3>. **IF: 3.628.**
  89. Asemahle Gogotya, Nonso E. Nnolim, Tennison O. Digban, Anthony I. Okoh and Uchechukwu U. Nwodo (2021). Characterization of a thermostable and solvent-tolerant laccase produced by *Streptomyces* sp. *LAO. Biotechnology Letters*. <https://doi.org/10.1007/s10529-021-03131-z>. **IF: 1.977.**
  90. Chidozie Declan Iwu, Temitope Cyrus Ekundayo, Anthony Ifeanyin Okoh (2021). A systematic analysis of research on Arcobacter: public health implications from food-environment interphase perspective. *Foods*, 10, 1673. doi: 10.3390/foods10071673. **IF: 3.011.**
  91. Mary Ayobami Adewoyin, Kingsley Ehi Ehi Ebomah and Okoh I Anthony (2021). Antibiogram profile of *Acinetobacter baumannii* recovered from selected freshwater resources in the Eastern Cape Province, South Africa. *Pathogens*, 10, 1110. <https://doi.org/10.3390/pathogens10091110>. **IF: 4.066.**
  92. Chinemerem Ruth Ohoro, Abiodun Olagoke Adeniji, Anthony Ifeanyi Okoh, Omobola Oluranti Okoh (2021). Spatial and seasonal variations of endocrine disrupting compounds in water and sediment samples of Markman Canal and Swartkops River Estuary, South Africa and their ecological risk assessment. *Marine Pollution Bulletin*, 173(A): 113012. **IF: 5.533.**
  93. Ezeuko AS, Ojemaye M, Okoh OO and Okoh AI (2021). Technological advancement for eliminating antibiotic resistance genes from wastewater: A review of their mechanisms and progress. *Journal of Environmental Chemical Engineering*, 9:106183. **IF: 5.876.**

94. Kayode, A.J., Banji-Onisile, F.O., Olaniran, A.O and Okoh, A.I. (2021). An Overview of the Pathogenesis, Transmission, Diagnosis, and Management of Endemic Human Coronaviruses: A Reflection on the Past and Present Episodes and Possible Future Outbreaks. *Pathogens*, 10, 1108. [https://doi.org/ 10.3390/pathogens10091108](https://doi.org/10.3390/pathogens10091108). **IF: 4.066.**
95. Fadare FT and Okoh AI (2021). Distribution and molecular characterization of ESBL, pAmpC  $\beta$ - lactamases, and non- $\beta$ -lactam encoding genes in Enterobacteriaceae isolated from hospital wastewater in Eastern Cape Province, South Africa. *PlosOne*, 16(7): e0254753. [https://doi.org/ 10.1371/journal.pone.0254753](https://doi.org/10.1371/journal.pone.0254753). **IF: 3.24.**
96. Adeoye Kayode, Lucy Semerjian, Tareq Osaili, Ola Olapade and Anthony Okoh (2021). Occurrence of multidrug-resistant *Listeria monocytogenes* in environmental waters: a menace of environmental and public health concern. *Frontiers in Environmental Science*, 9: 373. **IF: 4.24.**
97. Chinemerem Ruth Ohoro, Adeniji Abiodun Olagoke, Lucy Semerjian, Anthony Ifeanyi Okoh, and Omobola Oluranti Okoh (2021). Occurrence and distribution of pharmaceuticals in surface water and sediment of Buffalo and Sundays River estuaries, South Africa, and their ecological risk assessment. *Emerging Contaminants*, 7: 187-195. <https://doi.org/10.1016/j.emcon.2021.09.002>. **IF: 3.919.**
98. Ojemaye MO and Okoh AI (2021). Global research direction on Pt and Pt based electro-catalysts for fuel cells application between 1990 and 2019: A bibliometric analysis. *International Journal of Energy Research*, 45(11): 15783-15796. **IF: 5.164.**
99. Lucy Semerjian, Kunle Okaiyeto, Mike O. Ojemaye, Temitope Cyrus Ekundayo, Aboi Igwaran, Anthony Ifeanyi Okoh (2021). A Global Systematic Mapping of Road Dust Research From 1906 to 2020: Research Gaps and Future Direction. *SUSTAINABILITY*, 13: 11516. <https://doi.org/10.3390/su132011516>. **IF: 3.251.**
100. Elsiddig A. E. Elsheikh, Ali El-Keblawy, Kareem A. Mosa, Anthony I. Okoh, Ismail Saadoun (2021). Role of endophytes and rhizosphere microbes in promoting the invasion of exotic plants in arid and semi-arid areas: A review. *SUSTAINABILITY*, 13, 13081. <https://doi.org/10.3390/su132313081>. **IF: 3.251.**
101. Oyama Gxalo, Tennison Onoriode Digban, Bright E Igere, Ola O Olapade, Anthony I Okoh and Uchechukwu U Nwodo (2021). Virulence and antibiotic resistance characteristics of *Vibrio* isolates from rustic environmental freshwaters. *Frontiers in Cellular and Infection Microbiology*, 11: 732001. **IF: 4.300.**
102. Chinemerem Ruth Ohoro, Adeniji Abiodun Olagoke, Anthony Ifeanyi Okoh, and Omobola Oluranti Okoh (2021). Spatial distribution and health risk assessment of polybrominated diphenyl ethers in environmental matrices from an industrialized impacted canal in South Africa. *Environmental Geochemistry and Health*. <https://doi.org/10.1007/s10653-021-01114-7>. **IF: 4.609.**
103. Hope Onohuean, Anthony I. Okoh, Uchechukwu U. Nwodo (2021). Epidemiologic potentials and correlational analysis of *Vibrio* species and virulence toxins from water sources in greater Bushenyi districts, Uganda. *Scientific Reports* 11: 22429. <https://doi.org/10.1038/s41598-021-01375-3>. **IF: 4.379.**
104. Anthony A Adegoke, Chibuzor E Madu; Poovendhree Reddy (PR), Thor A Stenström and Anthony I Okoh (2021). Prevalence of vancomycin resistant *Enterococcus* in wastewater treatment plants and their recipients for reuse using PCR and MALDI-ToF MS. *Frontiers in Cellular and Infection Microbiology*, *Front. Environ. Sci.* 9:797992. doi: 10.3389/fenvs.2021.797992. **IF: 4.300.**



105. Eric Anthony, Mike Ojemaye, **Anthony Okoh** and Omobola Okoh (2020). Synthesis of CeO<sub>2</sub> as promising adsorbent for the management of free-DNA harboring antibiotic resistance genes from tap water. *Chemical Engineering Journal*, 401: 125562. IF: 10.652.
106. Luyanda Msolo, Benson C Iweriebor, **Anthony I Okoh** (2020). Rotavirus and Cryptosporidium pathogens as etiological proxies of gastroenteritis in some pastoral communities of the Amathole District Municipality, Eastern Cape, South Africa. *BMC Research Notes*, 13: 1-6. IF: 1.34.
107. Eric Tobechukwu Anthony, Mike O Ojemaye, Omobola O Okoh, **Anthony I Okoh** (2020). A critical review on the occurrence of resistomes in the environment and their removal from wastewater using apposite treatment technologies: Limitations, successes and future improvement. *Environmental Pollution*, 236: 113791. IF: 5.714.
108. Olasehinde T.A., Olaniran, A.O., **Okoh A.I.** (2021). Cholinesterase inhibitory activity, antioxidant properties and phytochemical composition of *Chlorococcum* sp. extracts. *Journal of Food Biochemistry*, 45 (3): e13395. <https://doi.org/10.1111/jfbc.13395>. IF: 1.552.
109. Temitope Cyrus Ekundayo and **Anthony I. Okoh** (2020). Antimicrobial resistance in freshwater *Plesiomonas shigelloides* isolates: implications for environmental pollution and risk assessment. *Environmental Pollution* 257;113493. doi: 10.1016/j.envpol.2019.113493. IF: 5.714.
110. Adelabu OA, Iweriebor BC, Obi LC and **Okoh AI** (2020). Phylogenetic Profiling for zoonotic Ehrlichia spp. from ixodid ticks in the Eastern Cape, South Africa. *Transboundary and Emerging Diseases*, 67(3): 1247-1256. <https://doi.org/10.1111/tbed.13460>. IF: 4.521.
111. Siphon Tonisi, Kunle Okaiyeto, Hoppe Henrich, Uchechukwu U. Nwodo, Leonard V. Mabinya, **Anthony I. Okoh** (2020). Chemical constituents, antioxidant and cytotoxicity properties of *Leonotis leonurus* used in the management of Alzheimer's disease in the Eastern Cape, South Africa. *3Biotech*, 10 (3):1-41. <https://doi.org/10.1007/s13205-020-2126-5>. IF: 2.27.
112. Chijioke Olisah, Omobola O. Okoh and **Anthony I. Okoh** (2020). Occurrence of organochlorine pesticide residues in biological and environmental matrices in Africa: A two-decade review. *Heliyon* 6: e03518. <https://doi.org/10.1016/j.heliyon.2020.e03518>. Awaiting IF.
113. Olufemi T Ademoyegun, Omobola O Okoh and **Anthony I Okoh** (2020). Analytical method for viable and rapid determination of organochlorine pesticides in sewage sludge. *Polish Journal of Environmental Studies*, 29(2): 1-7. IF:1.186.
114. Olisah, C., Okoh, O.O. & **Okoh, A.I.** (2020). Spatial, seasonal and ecological risk assessment of organohalogenated contaminants in sediments of Swartkops and Sundays Estuaries, Eastern Cape Province, South Africa. *J Soils Sediments* 20, 1046–1059. DOI: 10.1007/s11368-019- 02487-0. IF:2.768.
115. Tennison Onoriode Digban, Benson Chucks Iweriebor, Larry Chikwelu Obi, Uchechukwu Nwodo and **Anthony Ifeanyi Okoh** (2020). Analyses of HIV-1 Integrase gene sequences among treatment naïve patients in the Eastern Cape, South Africa. *J Med Virol.* 2020;1–8. DOI: 10.1002/jmv.25661. IF: 2.021.
116. Kayode AJ, Igbinosa EO, **Okoh AI** (2020). Overview of listeriosis in the Southern African Hemisphere— Review. *J Food Saf.*, 40 (1):e12732. <https://doi.org/10.1111/jfs.12732>. IF: 1.665.
117. Beshiru, Abeni; Okareh, Oladapo; **Okoh, Anthony**; Igbinosa, Etinosa (2020). Detection of antibiotic resistance and virulence genes of *Vibrio* strains isolated from

- ready-to-eat shrimps in Delta and Edo States, Nigeria. *Journal of Applied Microbiology*, 129, 17-36. IF: 2.683.
118. Chidozie Declan Iwu and **Anthony Ifeanyi Okoh** (2020). Characterization of antibiogram fingerprints in *Listeria monocytogenes* recovered from irrigation water and agricultural soil samples. *Plos One*, 15 (2), e0228956. <https://doi.org/10.1371/journal.pone.0228956>. IF: 2.740
  119. Aboi Igwaran and **Anthony I. Okoh** (2020). Campylobacteriosis agents in meat carcasses collected from two District Municipalities in the Eastern Cape Province, South Africa. *Foods*, 9, 203; doi:10.3390/foods9020203. IF: 3.011.
  120. Anthony Ayodeji Adegoke, Chibuzor E Madu, Olayinka Ayobami Aiyegoro, Thor A Stenstrom and **Anthony I Okoh** (2020). Antibiogram and beta lactamase genes among cefotaxime resistant E. coli from wastewater treatment plant. *Antimicrobial Resistance & Infection Control*, 9 (1):1-12. <https://doi.org/10.1186/s13756-020-0702-4>. Awaiting IF.
  121. Nonso E. Nnolim, **Anthony I. Okoh** and Uchechukwu U. Nwodo (2020). *Bacillus* sp. PPF-1 Produced Keratinase with High Potential for Chicken Feather Degradation. *Molecules*, 25, 1505; doi:10.3390/molecules25071505. IF: 3.267.
  122. Ebomah KE and **Okoh AI** (2020). An African perspective on the prevalence, fate and effects of carbapenem resistance genes in hospital effluents and wastewater treatment plant (WWTP) final effluents: a critical review. *Heliyon*, 6 (5), e03899. IF: 1.650.
  123. Olisah C, Okoh OO and **Okoh AI** (2020). Polybrominated diphenyl ethers (PBDEs) in surface water and fish tissues from Sundays and Swartkops Estuaries, Eastern Cape Province, South Africa: Levels, spatial distribution, seasonal variation and health implications. *Regional Studies in Marine Science*, pages 101319. IF: 1.183.
  124. Mary Adewoyin and **Anthony Okoh** (2020). Seasonal shift in physicochemical factors revealed the ecological variables that modulate the density of Acinetobacter species in freshwater resources. *International Journal of Environmental Research and Public Health* 17 (10), 3606. IF: 2.468.
  125. IM Adesiyun, MA Bisi-Johnson, AA Ogunfowokan and **AI Okoh** (2020). Multidrug-Resistant Vibrio species recovered from some Freshwater Resources in Southwest Nigeria: a public health concern. *Access Microbiology*, 2(2), 44. Awaiting IF.
  126. Bright E. Igere, **Anthony I. Okoh**, Uchechukwu U. Nwodo (2020). Wastewater treatment plants and release: the vase of Odin for emerging bacterial contaminants, resistance and determinant of environmental wellness. *Emerging Contaminants*, 6:212-224. IF: 4.84.
  127. Matereke LT and **Okoh AI** (2020). *Listeria monocytogenes* virulence, antimicrobial resistance and environmental persistence: A review. *Pathogen*, 9, 528; doi:10.3390/pathogens9070528Pathogens. IF: 3.018.
  128. Olufemi Temitope Ademoyegun, Omobola Okoh and **Anthony Ifeanyi Okoh** (2020). Method validation and investigation of the levels of pharmaceuticals and personal care products in sludge of wastewater treatment plants and soils of irrigated golf course. *MOLECULES*, 25(14), 3114; <https://doi.org/10.3390/molecules25143114>. IF:3.267
  129. Lwazi Mwanda, Olusegun O Ikusika, Conference T Mpendulo and **Anthony I Okoh** (2020). Effects of fossil shell flour supplementation on heat tolerance of Dohne Merino rams. *Veterinary and Animal Science*, 40: 100133. Awaiting IF.
  130. Temitope Ekundayo and **Anthony Okoh** (2020). Molecular characterization, intra-species diversity and abundance of freshwater Plesiomonas shigelloides isolates. *Microorganisms*, 8, 1081; doi:10.3390/microorganisms8071081. IF:4.167.
  131. Nnolim NE, **Okoh AI** and Nwodo UU (2020). Proteolytic bacteria isolated from agro-waste dumpsites produced keratinolytic enzymes. *Biotechnology Reports*: e00483. <https://doi.org/10.1016/j.btre.2020.e00483>. Awaiting IF.

132. Kingsley Ehi Ebomah and **Anthony Ifeanyi Okoh** (2020). Detection of Carbapenem-resistance Genes in Klebsiella Species Recovered from Selected Environmental Niches in the Eastern Cape Province, South Africa. *Antibiotics*, 9, 425; doi:10.3390/antibiotics9070425. IF:3.893
133. Aboi Igwaran and **Anthony I Okoh** (2020). Occurrence, virulence and antimicrobial resistance- associated markers in Campylobacter species isolated from retail fresh milk and water samples in two District Municipalities, in the Eastern Cape Province, South Africa. *Antibiotics*, 9, 426; doi:10.3390/antibiotics9070426. IF:3.893.
134. Anthony Ayodeji Adegoke, Opeyemi K. Fatunla and **Anthony I. Okoh** (2020). Critical threat associated with carbapenem-resistant gram-negative bacteria: prioritizing water matrices in addressing total antibiotic resistance. *Annals of Microbiology*, 70:43; <https://doi.org/10.1186/s13213-020-01579-4>. IF: 1.431.
135. Digban, T.O., Iweriebor, B.C., Nwodo, U., **Okoh, A.I.** and Obi, L.C. (2020). Chemokine Coreceptor Usage among HIV-1 treatment Inexperienced Patients residing in the Rural Eastern Cape, South Africa. *AIDS Research and Human Retroviruses*. <https://doi.org/10.1089/aid.2020.0066>. IF: 1.765.
136. Iwu C.D, Korsten L and **Okoh A.I** (2020). The incidence of antibiotic resistance within and beyond the agricultural ecosystem: A concern for public health. *MicrobiologyOpen*. DOI: 10.1002/mbo3.1035. IF: 3.14.
137. Chidozie Declan Iwu, Erika M du Plessis, Lise Korsten, Nolonwabo Nontongana and **Anthony Ifeanyi Okoh** (2020). Antibigram signatures of some Enterobacteria recovered from irrigation water and agricultural soil in two District Municipalities of South Africa. *Microorganisms*, 8, 1206; doi:10.3390/microorganisms8081206. IF: 1.103.
138. Luyanda Msolo, Benson C. Iweriebor, **Anthony I. Okoh** (2020). Pervasiveness of diarrheagenic E. coli pathotypes and Salmonella species among gastroenteritis patients in some selected pastoral hinterlands of the Amathole district municipality, Eastern Cape, South Africa. *Human Microbiome Journal*, 17:100073. <https://doi.org/10.1016/j.humic.2020.100074>. IF: 1.160.
139. Ekundayo T.C. and **Okoh A.I.** (2020). Systematic assessment of *Mycobacterium avium* subspecies paratuberculosis infections from 1911 – 2019: A growth analysis of association with human autoimmune diseases. *Microorganisms*, 8, 1212; doi:10.3390/microorganisms8081212. IF: 4.926.
140. Nonso E. Nnolim, Ncedo Ntozonke, **Anthony I. Okoh** and Uchechukwu U. Nwodo (2020). Exoproduction and characterization of a detergent-stable alkaline keratinase from *Arthrobacter* sp. KFS-1. *Biochimie*, 177: 53e62. <https://doi.org/10.1016/j.biochi.2020.08.005> IF: 3.413.
141. Mike O. Ojemaye, Martins A. Adefisoye and **Anthony I. Okoh** (2020). Nanotechnology as a viable alternative for the removal of antimicrobial resistance determinants from discharged municipal effluents and associated watersheds: A review. *Journal of Environmental Management*, 275: 111234. <https://doi.org/10.1016/j.jenvman.2020.111234>. IF: 5.647.
142. Aboi Igwaran and **Anthony I Okoh** (2020). Molecular determination of genetic diversity among Campylobacter jejuni and Campylobacter coli isolated from milk, water and meat samples using enterobacterial repetitive intergenic consensus PCR (ERIC-PCR). *Infection Ecology & Epidemiology*. VOL. 10, 1830701. <https://doi.org/10.1080/20008686.2020.1830701>. IF: 2.550.
143. Kunle Okaiyeto and **Anthony I. Okoh** (2020). In Vitro Assessment of Antiplasmodial and Antitrypanosomal Activities of Chloroform, Ethyl acetate and Ethanol Leaf Extracts of Oedera genistifolia. *Appl. Sci.*, 10, 6987; doi:10.3390/app10196987. IF: 2.480

144. Nonso Nnolim, Lindelwa Mpaka, **Anthony Okoh** and Uchechukwu Nwodo (2020). Biochemical and molecular characterization of a thermostable alkaline metallo-keratinase from *Bacillus* sp. Nnolim-K1. *Microorganisms*, 8, 1304; doi:10.3390/microorganisms8091304. IF: 4.167.
145. Bright E. Igere, **Anthony I. Okoh** and Uchechukwu U. Nwodo (2020). Antibiotic susceptibility testing (AST) reports: A basis for environmental/epidemiological surveillance and infection control amongst environmental *Vibrio cholerae*. *Int. J. Environ. Res. Public Health* 2020, 17, 5685; doi:10.3390/ijerph17165685. IF: 2.468.
146. Ayodeji Osmund Falade, Leonard V. Mabinya, **Anthony I. Okoh** and Uchechukwu U. Nwodo (2020). Agroresidues enhanced peroxidase activity expression by *Bacillus* sp. MABINYA-1 under submerged fermentation. *Bioresour Bioprocess*, 7:55. <https://doi.org/10.1186/s40643-020-00345-3>. IF: 3.470
147. Olasehinde, T.A., Olaniran, A. O., **Okoh A.I.** (2020). Sulfated polysaccharides of some seaweeds exhibit neuroprotection via mitigation of oxidative stress, cholinergic dysfunction and inhibition of Zn – induced neuronal damage in HT-22 cells. *BMC Complementary Medicine and Therapies*. 20:251. <https://doi.org/10.1186/s12906-020-03047-7> IF: 2.610.
148. Olusegun O. Ikusika, Andrew B. Falowo, Conference T. Mpendulo, Titus J. Zindove and **Anthony Okoh** (2020). Effect of strain, sex, slaughter weight on growth performance, carcass yield and quality of broiler meat. *Open Agriculture*, 5: 607–616. <https://doi.org/10.1515/opag-2020-0056>. Awaiting IF.
149. Olaniyan LWB and **Okoh AI** (2020). Determination and ecological risk assessment of two endocrine disruptors from river Buffalo, South Africa. *Environmental Monitoring and Assessment*, 192:750. <https://doi.org/10.1007/s10661-020-08717-0>. IF: 1.959
150. Siphon Tonisi, Kunle Okaiyeto, Leonard V. Mabinya, **Anthony I. Okoh** (2020). Evaluation of bioactive compounds, free radical scavenging and anticancer activities of bulb extracts of *Boophone disticha* from Eastern Cape Province, South Africa. *Saudi Journal of Biological Sciences*, 27(12): 3559-3569. IF: 2.802.
151. Okaiyeto Kunle, Ekundayo Temitope and **Okoh, Anthony** (2020). Global research trends on bioflocculant potentials in wastewater remediation from 1990 – 2019 using a bibliometric approach. *Lett Appl Micro.*, 71(6): 567-579. IF: 3.066.
152. OO Adeniji, T Sibanda and **AI Okoh** (2020). Molecular detection of antibiotic resistance and virulence gene determinants of *Enterococcus* species isolated from coastal water in the Eastern Cape Province, South Africa. *International Journal of Environmental Studies*. DOI: 10.1080/00207233.2020.1785759. IF: 2.307.
153. Nonso E. Nnolim, Chibuike C Udenigwe, **Anthony I Okoh**, Uchechukwu U Nwodo (2020). Microbial Keratinase: Next Generation Green Catalyst and Prospective Applications. *Front. Microbiol.* 11:580164. doi: 10.3389/fmicb.2020.580164. IF: 4.235.
154. Olusesan Adelabu, Benson C. Iweriebor, **Anthony Okoh** and CL Obi (2020). Genomic profiling for piroplasms in feeding ixodid ticks in the Eastern Cape, South Africa. *Pathogens*, 9, 1061; doi:10.3390/pathogens9121061. IF: 3.405.
155. Msolo L, Iweriebor BC, **Okoh AI.** (2020). Antimicrobial Resistance Profiles of Diarrheagenic *E. coli* (DEC) and *Salmonella* Species Recovered from Diarrheal Patients in Selected Rural Communities of the Amathole District Municipality, Eastern Cape Province, South Africa. *Infect Drug Resist.* 3:4615-4626. <https://doi.org/10.2147/IDR.S269219>. IF: 3.527.
156. Fadare FT, Adefisoye MA, **Okoh AI** (2020) Occurrence, identification, and antibiogram signatures of selected Enterobacteriaceae from Tsomo and Tyhume rivers in the Eastern Cape Province, Republic of South Africa. *PLoS ONE* 15(12): e0238084. <https://doi.org/10.1371/journal.pone.0238084>. IF: 3.7.

**Patent**

157. **Okoh AI** and Okaiyeto K (2020). Production of metal nanoparticles (Ref: Characterisation and biomedical applications of green synthesized nanoparticles assisted by aqueous extract of Thuja). South Africa Patent # P84658ZA00 PJV/YDT, 27 May 2020.

**2019**

158. Christy Manyi-Loh, Sampson Mamphweli, Edson Meyer and **Anthony Okoh** (2019). Characterization of bacteria and methanogens in a balloon type digester fed with dairy cattle manure for anaerobic mono-digestion. *Pol J Env Std.*, Vol. 28, No. 3 (2019), 1-7. IF: 1.186.
159. Bhembe, Nolwazi; Uchechukwu, Nwodo; Okoh, **Anthony; Obi**, Larry; Mabinya, Leonard; Green, Ezekiel (2019). Clonality and genetic profiles of drug resistant *Mycobacterium tuberculosis* in the Eastern Cape Province, South Africa. *MicrobiologyOpen*. 2019;8: e449. <https://doi.org/10.1002/mbo3.449>. IF: 3.14.
160. Falade, A. O., Mabinya, L. V., **Okoh, A. I.** and Nwodo, U. U. (2019). Peroxidases Produced by new Ligninolytic *Bacillus* Isolated from Marsh and Grassland Decolourized Anthraquinone and Azo dyes. *Polish Journal of Environmental Studies*, 28(5): 1-10. IF: 1.186.
161. Munyaradzi Mukesi, Benson C Iweriebor, Larry C Obi, Uchechukwu U Nwodo, Sylvester R Moyo and **Anthony I Okoh** (2019). The activity of commercial antimicrobials, and essential oils and ethanolic extracts of *Olea europaea* on *Streptococcus agalactiae* isolated from pregnant women. *BMC Complementary and Alternative Medicine*, 19:34. [doi.org/10.1186/s12906-019-2445-4](https://doi.org/10.1186/s12906-019-2445-4). IF: 2.610.
162. Falade, A. O., Mabinya, L. V., Nwodo, U. U. and **Okoh, A. I.** (2019). Biochemical and Molecular Characterization of a Novel Dye-Decolourizing Peroxidase from *Raoultella ornithinolytica* OKOH-1. *Int J Biol Macromol*, 121: 454-462. [doi.org/10.1016/j.ijbiomac.2018.10.045](https://doi.org/10.1016/j.ijbiomac.2018.10.045). IF: 5.162.
163. Tosin A. Olasehinde, Ejovwokoghene C. Odjadjare, Leonard, V. Mabinya, Ademola A. Olaniran and **Anthony I. Okoh** (2019). *Chlorella sorokiniana* and *Chlorella minutissima* exhibits antioxidant potentials, inhibits cholinesterases and modulates disaggregation of beta-amyloid fibrils. *Electronic Journal of Biotechnology*, 40: 1-9. IF: 2.894.
164. Kingsley Ebomah, Timothy Sibanda, Martins Adefisoye, Nolonwabo Nontongana, Uchechukwu Nwodo and **Anthony Okoh** (2019). Evaluating Nahoon Beach and Canal Waters in Eastern Cape, South Africa: A Public Health Concern. *Polish Journal of Environmental Studies*. Vol. 28, No. 3 (2019), 1-12. IF: 1.186.
165. Olasehinde, T.A., Mabinya, L.V., Olaniran, A.O. **Okoh, A.I.** (2019). Chemical Characterization, antioxidant properties, cholinesterase inhibitory and anti-amyloidogenic activities of sulfated polysaccharides from some seaweeds. *Bioactive Carbohydrates and dietary Fibre*, 18: 100182. Awaiting IF.
166. Olasehinde, T.A., Mabinya, L.V., Olaniran, A.O., **Okoh, A.I.** (2019). Chemical characterization of sulfated polysaccharides from *Gracilaria gracilis* and *Ulva lactuca* and their radical scavenging, metal chelating and cholinesterase inhibitory activities. *International Journal of Food Properties*, 22:1, 100-110, DOI: 10.1080/10942912.2019.1573831. Awaiting IF.
167. Munyaradzi Mukesi, Benson C Iweriebor, Larry C Obi, Uchechukwu U Nwodo, Sylvester R Moyo and **Anthony I Okoh** (2019). Prevalence and capsular type

- distribution of *Streptococcus agalactiae* isolated from pregnant women in Namibia and South Africa. *BMC infectious diseases*, 19(1): 179. IF: 2.688.
168. Olasehinde, T.A., Mabinya, L.V., Olaniran, A.O., **Okoh, A.I.** (2019). Aqueous-ethanol extracts of some South African seaweeds inhibit beta-amyloid aggregation, cholinesterases and beta- secretase activities in vitro. *Journal of Food Biochemistry*. e12870. <https://doi.org/10.1111/jfbc.12870>. IF: 1.662.
  169. Falade, A. O., Mabinya, L. V., Nwodo, U. U. and **Okoh, A. I.** (2019). Agro-wastes utilization by *Raoultella ornithinolytica* for optimal extracellular peroxidase activity. *Biotechnology and Applied Biochemistry*, 66(1): 60-67. <http://dx.doi.org/10.1002/bab.1696>. IF:1.638.
  170. Ayodeji Falade, Atef Jaouani, Leonard Mabinya, **Anthony Okoh**, Uchechukwu Nwodo (2019). Exoproduction and Molecular Characterization of Peroxidase from *Ensifer adhaerens*. *Applied Sciences*, 9, 3121; doi:10.3390/app9153121. IF: 2.474.
  171. Yinka Titilawo, Aderonke Akintokun, Olufunke Shittu, Mobolaji Adeniyi, Janet Olaitan and **Anthony Okoh** (2019). Physicochemical properties and total coliform distribution of selected rivers in Osun State, Southwestern Nigeria. *Polish Journal of Environmental Studies*, 28 (6), 4417-4428. IF: 1.186.
  172. Afolabi, KO, Iweriebor B, Obi, CL and **Okoh AI** (2019). Prevalence of porcine parvoviruses in some South African swine herds with background of porcine circovirus type 2 infection. *Acta Tropica*, 19: 37-44. IF: 2.555.
  173. Unuofin J, **Okoh AI** and Nwodo UU (2019). Maize stover as a feedstock for enhanced laccase production by two gammaproteobacteria: a solution to agroindustrial waste stockpiling. *Industrial Crops and Products*, 129: 611-623. [doi.org/10.1016/j.indcrop.2018.12.043](https://doi.org/10.1016/j.indcrop.2018.12.043). IF: 4.244.
  174. Unuofin J, **AI Okoh** and Nwodo UU (2019). Utilization of agro-industrial wastes from the production of laccase by *Achromobacter xylosoxidans* HWN16 and *Bordetella bronchiseptica* HSO16. *Journal of Environmental Management*, 231: 222-231. [doi.org/10.1016/j.jenvman.2018.10.016](https://doi.org/10.1016/j.jenvman.2018.10.016). IF: 5.647.
  175. T. Salaudeen, O. Okoh and **A. Okoh** (2019). Performance assessment of wastewater treatment plants with special reference to phenol removal. *Int. J. Environ. Sci. Technol.* 16:401–412. [doi.org/10.1007/s13762-018-1684-0](https://doi.org/10.1007/s13762-018-1684-0). IF: 2.037.
  176. Larayetan Rotimi, Mike O. Ojemaye, Omobola O. Okoh and **Anthony I. Okoh** (2019). Silver nanoparticles mediated by *Callistemon citrinus* extracts and their antimalaria, antitrypanosomal and antibacterial efficacy. *Journal of Molecular Liquids*, 273: 615–625. [doi.org/10.1016/j.molliq.2018.10.020](https://doi.org/10.1016/j.molliq.2018.10.020). IF: 5.065.
  177. Abdulrazaq Yahaya, Omobola Okoh, Foluso O Agunbiade and **Anthony I Okoh** (2019). Occurrence of Phenolic derivatives in Buffalo River of Eastern Cape South Africa: exposure risk evaluation. *Ecotoxicology and Environmental Safety*. 171: 887-893. [doi.org/10.1016/j.ecoenv.2019.01.037](https://doi.org/10.1016/j.ecoenv.2019.01.037). **IF: 7.129.**
  178. Larayetan Rotimi, Mike O. Ojemaye, Omobola O. Okoh, Alexander Sadimenko and **Anthony I. Okoh** (2019) Synthesis, characterization, antimalarial, antitrypanocidal and antimicrobial properties of gold nanoparticle, *Green Chemistry letters and Review*, 12 (1): 61–68. <https://doi.org/10.1080/17518253.2019.1569730>. IF: 3.286.
  179. Adesiyan I.M, Bisi-Johnson M.A, Ogunfowokan, O and **Okoh A.I** (2019). Incidence and antimicrobial susceptibility fingerprints of *Plesiomonas shigelliodes* isolates in water samples collected from some freshwater resources in Southwest Nigeria. *Science of the Total Environment*, 665 (2019)632–640. <https://doi.org/10.1016/j.scitotenv.2019.02.062> IF: 6.551.
  180. Olufunso O Sogbanmu, T Goon, Larry C. Obi, Ben C. Iweriebor, Uchechukwu Nwodo and **Anthony I. Okoh** (2019). Socio-demographic and clinical determinants of late

- presentation among patients newly diagnosed with HIV in the Eastern Cape, South Africa. *Medicine*, 98:8. IF: 2.133.
181. Unuofin John, Uchechukwu Nwodo and **Anthony Okoh** (2019). Recovery of laccase-producing gammaproteobacteria from wastewater. *Biotechnology Reports*, Vol. 21: e00320. <https://doi.org/10.1016/j.btre.2019.e00320>. Awaiting IF.
  182. Olusegun O. Ikusika, Conference T. Mpendulo, Titus J. Zindove and **Anthony I. Okoh** (2019). Fossil shell flour in livestock production: A Review *Animals*, 9 (3): 70. Doi:10.3390/ani9030070. IF: 1.654.
  183. JO Unuofin, HA Moubasher, **AI Okoh** and UU Nwodo (2019). Production of polyextremotolerant laccase by *Achromobacter xylosoxidans* HWN16 and *Citrobacter freundii* LLJ16. *Biotechnology Report*, 22: e00337. <https://doi.org/10.1016/j.btre.2019.e00337>. Awaiting IF.
  184. Mike O Ojemaye, Omobola Okoh and **Anthony I Okoh** (2019). Study on the adsorption of metal ions onto azomethine functionalized magnetic nanoparticles in a single- and competitive- aqueous system. *Desalination and Water Treatment*, 146: 236-244. IF: 1.234.
  185. Kayode Olayinka Afolabi, Benson Chuks Iweriebor, **Anthony Ifeanyi Okoh**, Larry Chikwelu Obi (2019). Increasing diversity of swine parvoviruses and their epidemiology in African pigs. *Infection, Genetics and Evolution*, 73: 175-183. IF: 2.773.
  186. AO Adeniji, OO Okoh and **AI Okoh** (2019). Levels of polycyclic aromatic hydrocarbons in the water and sediment of Buffalo River Estuary, South Africa and their health risk assessment. *Archives of Environmental Contamination and Toxicology*, 76 (4): 657–669. IF: 2.400.
  187. Chijioke Olisah, **Anthony Okoh** and Omobola Okoh (2019). Global evolution of organochlorine pesticides research in biological and environmental matrices from 1992 – 2018: A bibliometric approach. *Emerging Contaminants*, 5: 157-167. Awaiting IF.
  188. Temitope Cyrus Ekundayo and **Anthony I. Okoh** (2019). Modelling the effects of physicochemical variables and anthropogenic activities as ecological drivers of *Plesiomonas shigelloides* distribution and freshwaters quality. *Science of the Total Environment*, 682: 765-778. IF: 6.551.
  189. Christy Manyi-Loh, Sampson Mamphweli, Edson Meyer and **Anthony Okoh** (2019). Microbial Anaerobic digestion: Process dynamics and implications from the renewable Energy, Environmental and Agronomy perspectives. *International Journal of Environmental Science and Technology*, 16 (7): 3913–3934. <https://doi.org/10.1007/s13762-019-02380-w>. IF: 2.540.
  190. Unuofin J, **Okoh AI** and Nwodo UU (2019). Aptitude of oxidative enzymes for treatment of wastewater pollutants: a laccase perspective. *Molecules*, 24(11); 2064; <https://doi.org/10.3390/molecules24112064>. IF: 3.267.
  191. Olisah, C., Adeniji, O., Okoh, O. O. and **Okoh, A. I.** (2019) Occurrence and risk evaluation of organochlorine contaminants in surface water along the course of Swartkops and Sundays River Estuaries, Eastern Cape Province, South Africa, *Environmental Geochemistry and Health*. 41, pages 2777–2801. [https://doi.org/10.1007/s10653-019-00336-0\(0123456789\(\).,-volV\)\( 0123456789\(\).,-volV\)](https://doi.org/10.1007/s10653-019-00336-0(0123456789().,-volV)( 0123456789().,-volV)). IF: 3.472.
  192. Sunday O. Okoh, Omobola O. Okoh, **Anthony I. Okoh** (2019). Inhibitory effects of *Azadirachta indica* secondary metabolites formulated cosmetics on some infectious pathogens and oxidative stress radicals. *BMC Complementary and Alternative Medicine*, 19:123 <https://doi.org/10.1186/s12906-019-2538-0>. IF: 2.610.
  193. Adeniyi, OV, Obi, CL, Goon, DT, Iweriebor, I, Ajayi, AI, Lambert, J and **Okoh, AI** (2019). HIV-1 Drug Resistance Surveillance among Parturient Women on Anti-retroviral Therapy in the Eastern Cape, South Africa: Implications for Elimination of Mother-To-

- Child Transmission. Journal of Clinical Virology, 117: 89-95. <https://doi.org/10.1016/j.jcv.2019.06.003>. IF: 8.8.
194. OO Adeniji, T Sibanda and **AI Okoh** (2019). Recreational water quality status of the Kidd's Beach as determined by its physicochemical and bacteriological quality Parameters. HELIYON: e01893. <https://doi.org/10.1016/j.heliyon.2019.e01893>, Awaiting IF.
  195. Chinemerem Ohoro, Olagoke Adeniji, **Anthony Okoh** and Omobola Okoh (2019). Distribution and chemical analysis of pharmaceuticals and personal care products (PPCPS) in the aquatic systems: a review. Int. J. Environ. Res. Public Health, 16, 3026; doi:10.3390/ijerph16173026. IF: 2.849.
  196. Olusegun Ikusika, Conference Mpendulo, Titus J. Zindove and **Anthony I. Okoh** (2019). Effect of varying inclusion levels of Fossil shell flour on growth performance, water intake, digestibility and N retention in Dohne-merino rams. Animals, 9, 565; doi:10.3390/ani9080565. IF: 1.654.
  197. Tosin A. Olasehinde, Ademola O. Olaniran, and **Anthony I. Okoh** (2019). Phenolic composition, antioxidant activity, anticholinesterase potentials and modulatory effects of aqueous extracts of some seaweeds on  $\beta$ -amyloid aggregation and dis-aggregation. Pharmaceutical Biology, 57 (1), 460-469. IF: 2.971.
  198. Olufunso O Sogbanmu, T Goon, Larry C. Obi, Ben C. Iweriebor, Uchechukwu Nwodo and **Anthony I. Okoh**, Anthony I. Ajayi and Tennison O. Digban (2019). Diabetes Mellitus in Newly Diagnosed HIV-Positive Patients in Buffalo City Municipality, East London, South Africa: A Cross- Sectional Study. The Open Public Health Journal, 12, 263-268. DOI: 10.2174/1874944501912010263. Awaiting IF.
  199. Mike O. Ojemaye and **Anthony I. Okoh** (2019). Multiple nitrogen functionalized magnetic nanoparticles as an efficient adsorbent: synthesis, kinetics, isotherm and thermodynamic studies for the removal of rhodamine B from aqueous solution, Scientific reports, 9: 9672; <https://doi.org/10.1038/s41598-019-45293-x>. IF: 3.998.
  200. C. A. Osunla, and **A. O. Okoh** (2019). Characterization of antibiotic resistance profiles of vibrio pathogens recovered from treated wastewater effluents in the Eastern Cape Province, South Africa. Antimicrobial Resistance and Infection Control 2019, 8 (Suppl1): 148 (P326). <https://doi.org/10.1186/s13756-019-0567-6>. IF: 3.680.
  201. Okoh SO, Okoh OO and **Okoh AI** (2019). Seasonal variation of volatile oil composition and antioxidant property of aerial parts of *Syzygium paniculatum* Gaertn. grown in the Eastern Cape, South Africa. Natural Product Research, 33 (15): 2276-2280. IF:1.999.
  202. Tosin A. Olasehinde, Ademola Olufolahan Olaniran and **Anthony I. Okoh** (2019). Macroalgae as valuable source of naturally occurring bioactive compounds for the treatment of Alzheimer's disease. Marine Drugs, 17(11), 609; <https://doi.org/10.3390/md17110609>. IF:4.379.
  203. Tennison Onoriode Digban, Benson Chucks Iweriebor, Larry Chikwelu Obi, Uchechukwu Nwodo and Anthony Ifeanyi Okoh (2019). Molecular Genetics and the Incidence of Transmitted drug resistance among pre-treatment HIV 1 Infected Patients in the Eastern Cape, South Africa. Current HIV Research, 17, 1-8. IF: 1.115.
  204. Tosin A. Olasehinde, Ademola O. Olaniran, and **Anthony I. Okoh** (2019). Neuroprotective effects of some seaweeds against Zn – induced neuronal damage in HT-22 cells via modulation of redox imbalance, inhibition of apoptosis and acetylcholinesterase activity. Metabolic Brain Disease, 34(6):1615-1627. doi: 10.1007/s11011-019-00469-2. Epub 2019 Jul 26. IF: 2.726.
  205. Chijioke Olisah, **Anthony Okoh** and Omobola Okoh (2019). Distribution of organochlorine pesticides in fresh fish carcasses from selected estuaries in Eastern Cape Province, South Africa, and the associated health risk assessment. Marine



- Pollution Bulletin, 149:110605. <https://doi.org/10.1016/j.marpolbul.2019.110605>. IF: 4.049.
206. Igwaran Aboi and Anthony Ifeanyi Okoh (2019). Human campylobacteriosis: A public health concern of global importance. *Heliyon*, 5: e02814.
207. Chidozie Declan Iwu and **Anthony Ifeanyi Okoh** (2019). Preharvest transmission routes of some fresh produce associated bacterial pathogens with outbreak potentials: A review. *Int. J. Environ. Res. Public Health*, 16(22), 4407; <https://doi.org/10.3390/ijerph16224407>. IF: 2.849.
208. Kunle Okaiyeto, Mike Ojemaye, Heinrich Hoppe, Leonard Mabinya, **Anthony Okoh** (2019). Phytofabrication of Silver Nanoparticles using Aqueous Extract of *Oedera genistifolia* leaf: Characterization and Antibacterial Potential. *Molecules*, 24(23), 4382; <https://doi.org/10.3390/molecules24234382>. IF: 3.267.
209. Falade, A. O., Mabinya, L. V., Nwodo, U. U. and **Okoh, A. I.** (2019). Studies on peroxidase production and detection of *Sporotrichum thermophile*-like catalase-peroxidase gene in a *Bacillus* species isolated from Hogsback forest reserve, South Africa. *HELIYON*. 5(12): e03012. [doi.org/10.1016/j.heliyon.2019.e03012](https://doi.org/10.1016/j.heliyon.2019.e03012). Awaiting IF.
210. Anthony Ayodeji Adegoke, Emmanuel Adetiba, Daniel T. Babalola, Matthew B. Akanle, Surendra Thakur, **Anthony I. Okoh**, and Olayinka Ayobami Aiyegoro (2019). Detection of Pools of Bacteria with Public Health Importance in Wastewater Effluent from a Municipality in South Africa Using Next Generation Sequencing and Metagenomics Analysis. In: Rojas I., Valenzuela O., Rojas F., Ortuño F. (eds) *Bioinformatics and Biomedical Engineering. IWBBIO 2019. Lecture Notes in Computer Science*, vol 11466. Springer, Cham.
211. Abimbola O. Adekanmbi, Olawale O. Adelowo, **Anthony I. Okoh** & Obasola E. Fagade (2019). Metal-resistance encoding gene-fingerprints in some bacteria isolated from wastewaters of selected printeries in Ibadan, South-western Nigeria. *Journal of Taibah University for Science*, 13:1, 266-273, DOI: 10.1080/16583655.2018.1561968. Awaiting IF.
212. Abiodun Adeniji, Omobola Okoh and **Anthony Okoh** (2019). Distribution pattern and health risk assessment of polycyclic aromatic hydrocarbons in the water and sediment of Algoa Bay, South Africa. *Environ Geochem Health* (2019) 41:1303–1320. [https://doi.org/10.1007/s10653-018-0213-x\(0123456789\(\),-volIV\)\(0123456789\(\),-volIV\)](https://doi.org/10.1007/s10653-018-0213-x(0123456789(),-volIV)(0123456789(),-volIV)). IF: 3.472.
213. Sunday O. Okoh, Omobola O. Okoh, **Anthony I. Okoh** (2019). Inhibitory effects of unripe, ripe peels and seed volatile oils of *Dennettia tripetala* on some pathogens and free radicals. *Journal of Medicine and Biomedical Research*, 18: 30-45 Awaiting IF.

## 2018

214. Mike O. Ojemaye, Omobola O. Okoh, **Anthony I Okoh** (2018). Uptake of Zn<sup>2+</sup> and As<sup>3+</sup> from wastewater by adsorption onto imine functionalized magnetic nanoparticles. *Water*, 10, 36; doi:10.3390/w10010036. IF: 2.544.
215. Christy Manyi-Loh, Sampson Mamphweli, Edson Meyer and **Anthony Okoh** (2018). Antibiotic resistance of environmental sources in developing countries: Potential public health implications. *MOLECULE*, 23, 795; doi:10.3390/molecules23040795. IF: 3.267.
216. Nolwazi Bhembe, Godfred Tanih, Lesley-Anne Caine, Abongile Pekana, Patrick Govender, Uchechukwu Nwodo, **Anthony I. Okoh**, Leonard Mabinya and Ezekiel Green (2018). Diversity of *Mycobacterium tuberculosis* complex from cattle lymph nodes, Eastern Cape Province. *BioMed Research International*. Volume 2018, Article ID 3683801, 12 pages; <https://doi.org/10.1155/2018/3683801>. IF: 2.583.
217. Taofeek Salaudeen, Omobola Okoh, Foluso Agunbiade and **Anthony Okoh** (2018). Fate and impact of phthalates in activated sludge treated municipal wastewater on the

- water bodies in the Eastern Cape, South Africa. *CHEMOSPHERE*. 203: 336-344. IF: 5.778.
218. Taofeek Salaudeen, Omobola Okoh, Foluso Agunbiade, **Anthony Okoh** (2018). Phthalates removal efficiency in different wastewater treatment technology in the Eastern Cape, South Africa. *Env Mon Assess.* 190: 299. <https://doi.org/10.1007/s10661-018-6665-8>. IF: 2.273.
  219. Dlamini ZC, Aiyegoro AO and **Okoh AI** (2018). Safety evaluation and colonization abilities of four lactic acid bacteria as future probiotics. *Probiotics and Antimicrobial Proteins*. 11(2):397- 402. doi: 10.1007/s12602-018-9430-y. IF: 3.050.
  220. Aboi Igwaran, Benson Chuks Iweriebor, **Anthony Ifeanyi Okoh** (2018). Molecular characterization and antimicrobial resistance pattern of *Escherichia coli* recovered from wastewater treatment plants in Eastern Cape South Africa. *Int J Env Res Publ Health*, 15, 1237; doi:10.3390/ijerph15061237. IF: 2.849.
  221. Allisen Okeyo, Nolonwabo Nontongana Taiwo Fadare and **Anthony Okoh** (2018). *Vibrio* Species in Wastewater Final Effluents and Receiving Watershed: Implications for Public Health. *Int J Env Res Publ Health*, 15, 1266; doi:10.3390/ijerph15061266. IF: 2.849.
  222. Kingsley Ebomah, Martins Ajibade Adefisoye, **Anthony I Okoh** (2018). Pathogenic *Escherichia coli* strains recovered from selected aquatic resources in the Eastern Cape, South Africa and its Significance to Public Health. *Int J Env Res Pub Hlt.* 15, 1506; doi:10.3390/ijerph15071506. IF: 2.849.
  223. Yinka Titilawo, Abiodun Adeniji, Mobolaji Adeniyi and **Anthony Okoh** (2018). Determination of levels of some metal contaminants in the freshwater environments of Osun State, Southwest Nigeria: a risk assessment approach to predict health threat. *Chemosphere* 211, 834-843. IF: 5.778.
  224. Adegborioye AA, Iweriebor BC, Okoh SO, Nwodo UU, Obi LC and **Okoh AI** (2018). The bioactive potentials of *Olea europaea* subspecies *Africana*: A folkloric medicinal plant among Khosa tribe in the Eastern Cape Province, South Africa. *International Journal of Pharmaceutical Sciences and Research*, 9(3): 981-995. Awaiting IF.
  225. Abioye OE and **Okoh AI** (2018) Limpet (*Scutellastra cochlear*) Recovered From Some Estuaries in the Eastern Cape Province, South Africa Act as Reservoirs of Pathogenic *Vibrio* Species. *Front. Public Health* 6:237. doi: 10.3389/fpubh.2018.00237. IF: 2.483.
  226. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya and **Anthony I. Okoh** (2018). A Review on Some Medicinal Plants with Hepatoprotective Effects. *Phcog Rev* 12:186-99. Awaiting IF.
  227. Mobolaji Adeniyi, Yinka Titilawo, Anthonia Oluduro, Olu Odeyemi, Motebang Nakin, **Anthony Ifeanyi Okoh** (2018). Molecular identification of some wild Nigerian mushrooms using internal transcribed spacer - polymerase chain reaction. *Applied Microbiology and Biotechnology*, 8:148. **IF: 5.56.**
  228. Falade AO, Mabinya LV, **Okoh AI**, Nwodo UU. (2018). Ligninolytic enzymes: Versatile biocatalysts for the elimination of endocrine- disrupting chemicals in wastewater. *MicrobiologyOpen*; 7(6):e00722. doi: 10.1002/mbo3.722. IF: 3.142.
  229. Adewoyin M and **Okoh AI** (2018). The natural environment as a reservoir of non-pathogenic *Acinetobacter* species. *Reviews on Environmental Health*; 33(3), 265–272. <https://doi.org/10.1515/reveh-2017-0034>. IF: 2.429.
  230. A Yahaya, OA Adeniji, OO Okoh, SP Songca and **AI Okoh** (2018). Distribution of polychlorinated biphenyl along the course of the Buffalo River, Eastern Cape Province, South Africa, and possible health risks. *Water SA* Vol. 44 No. 4: 601-611. IF: 0.783.
  231. Afolabi, KO, Iweriebor B, Obi, CL and **Okoh AI** (2018). Genetic characterization and diversity of Porcine circovirus Type 2 in non-vaccinated South African swine herds. [Transbound Emerg Dis.](https://doi.org/10.1111/tbed.13036) 2019 Jan;66(1):412-421. doi: 10.1111/tbed.13036. **IF: 4.521.**

232. Christy Manyi-Loh, Sampson Mamphweli, Edson Meyer, **Anthony Okoh** (2018). Characterisation and antibiotic resistance of selected bacterial pathogens recovered from dairy cattle manure during anaerobic mono-digestion in a balloon type digester. *Applied Sciences*, 8, 2088; doi:10.3390/app8112088. IF: 2.474.
233. Ekundayo TC & **Okoh AI** (2018). A global bibliometric analysis of *Plesiomonas*-related research (1990 - 2017). *PloS one*, 13 (11), e0207655. <https://doi.org/10.1371/journal.pone.0207655>. IF: 2.740.
234. Chijioke Olisah, Omobola Okoh and **Anthony Okoh** (2018). A bibliometric analysis of investigations of polybrominated diphenyl ethers (PBDEs) in biological and environmental matrices from 1992 – 2018. *HELIYON* 4, e00964. <https://doi.org/10.1016/j.heliyon.2018>. Awaiting IF.
235. Ekundayo TC and **Okoh AI** (2018) Pathogenomics of virulence traits of *Plesiomonas shigelloides* that were deemed inconclusive by traditional experimental approaches. *Front. Microbiol.* 9:3077. doi: 10.3389/fmicb.2018.03077. IF: 4.235.
236. Onyenankeya K, Caldwell M and **Okoh AI** (2018). Sustainable water use and the nexus of behavioural intentions: The case of four South African communities. *Water and Environment Journal*, 32(2): Pages 285-291. IF: 1.426.
237. Mojeed Agoro, Omobola Okoh, **Anthony Okoh**, Martins Adefisoye (2018). Physicochemical Properties of Wastewaters in Three Typical Sewage Works in the Eastern Cape Province, South Africa. *Pol J Env Stu.* 27(2):491–499. DOI: <https://doi.org/10.15244/pjoes/74156>. IF: 1.186.
238. Olaniyan L.W.B., Okoh O.O., Mkwetshana N.T., **Okoh A.I.** (2018) Environmental Water Pollution, Endocrine Interference and Ecotoxicity of 4-*tert*-Octylphenol: A Review. In: de Voogt P. (eds) *Reviews of Environmental Contamination and Toxicology Volume 248*: pp 81-109.

## 2017

239. Mike O Ojemaye, Omobola Okoh and **Anthony I Okoh** (2017). Performance of NiFe<sub>2</sub>O<sub>4</sub>- SiO<sub>2</sub>-TiO<sub>2</sub> magnetic photocatalyst for the effective photocatalytic reduction of Cr(VI) in aqueous solutions. *Journal of Nanomaterials*. Volume 2017, Article ID 5264910, 11 pages. IF: 1.980.
240. Olusesan Adeyemi Adelabu, Benson C Iweriebor, Uchechukwu Nwodo, Larry C Obi and **Anthony I. Okoh** (2017). Incidence and molecular characterization of Hepatitis E virus from Swine in Eastern Cape, South Africa. *Advances in Virology*. vol. 2017, Article ID 1073253, 7 pages, 2017. doi:10.1155/2017/1073253.
241. Taiwo Akinyele, David Akinpelu, Etinosa Igbinsosa and **Anthony Okoh** (2017). In vitro assessment of the synergism between extracts of *Cocos nucifera* husk and some standard antibiotics. *Asian Pacific Journal of Tropical Biomedicine*, 7(4): 306-313. IF: 1.903.
242. Taku Ongeziwe, Benson Chuks Iweriebor, Uchechukwu U Nwodo, Larry Chikwelu Obi, **Anthony Ifeanyi Okoh** (2017). Occurrence of Norovirus in pig faecal samples in the Eastern Cape, South Africa. *Asian Pac J Trop Dis* 2017; 7(3)151-155.
243. Oluwatayo Abioye, David Akinpelu and **Anthony Okoh** (2017). Synergistic effects of n-hexane fraction of *Parkia biglobosa* (Jacq.) bark extract and selected antibiotics on bacterial isolates. *Sustainability*. 9, 228; doi:10.3390/su9020228. IF: 2.576.
244. Mojisola Christiana Owoseni and **Anthony Okoh** (2017). Chlorine inactivation of *Salmonella* spp. recovered from selected wastewater treatment plants in Eastern Cape, South Africa. Abstract # A21. Abstracts from the 6th Infection Control Africa Network Congress 2016. *Antimicrobial Resistance and Infection Control* 2016, 6(Suppl 1):1. 10.1186/s13756-016-0153-0. IF: 3.224. SJR: 1.681.

245. Olayinka Osuolale and **Anthony Okoh** (2017). Human enteric bacteria and viruses in five wastewater treatment plants in the Eastern Cape, South Africa. *Journal of Infection and Public Health*, 10: 541–547. IF: 2.447, SJR: 0.825.
246. Tosin Abiola Olasehinde, Ademola O. Olaniran and **Anthony I. Okoh** (2017). Therapeutic Potentials of Microalgae in the Treatment of Alzheimer's disease. *MOLECULES*. 22, 480; doi:10.3390/molecules22030480. IF: 3.267, Journal Rank: JCR Q2.
247. Benson Iweriebor; Elia J Mmbaga; Abiodun A Adegborioye; Aboi Igwaran; Larry C Obi; **Anthony I Okoh** (2017). Genetic Profiling for Anaplasma and Ehrlichia species in ticks collected in the Eastern Cape Province of South Africa. *BMC Microbiology*, 17:45. IF: 2.989, SJR: 1.154.
248. Kayode O Afolabi, Benson C Iweriebor, **Anthony I Okoh** and Larry Obi (2017). Global status of Porcine circovirus 2 and its associated diseases in sub-Saharan Africa. *Advances in Virology*. Volume 2017, Article ID 6807964, 16 pages.
249. Mary A Bisi-Johnson, Kehinde O Adediran, Saheed A Akinola, Elizabeth Popoola, **Anthony I Okoh** (2017). Comparative Physicochemical and Microbiological Qualities of Source and Stored Household Waters in Some Selected Communities in Southwestern Nigeria, *SUSTAINABILITY* 9, 454; doi:10.3390/su9030454. IF: 2.576
250. Onele Gcilitshana, Timothy Sibanda, Leorcadia Zhou and **Anthony Ifeayin Okoh** (2017). Assessment of the prevalence of enteric viruses in wastewater final effluents of two peri-urban wastewater treatment plants. *Asian Pacific Journal of Tropical Disease*, 7(2): 121-126.
251. Owoseni MC and **Okoh AI** (2017). Assessment of chlorine tolerance profile of *Citrobacter* species recovered from selected wastewater treatment plants in Eastern Cape, South Africa. *Environmental Monitoring and Assessment*, 189-201. IF: 1.959.
252. Owoseni MC and **Okoh AI** (2017). Emerging challenge of chlorine tolerant *Enterococcus* species recovered from Wastewater treatment plants. *International Biodeterioration & Biodegradation*, 120: 216-223. **IF: 4.907.**
253. Adeniji AO, Okoh OO and **Okoh AI** (2017). Analytical methods for the determination of the distribution of total petroleum hydrocarbons in the water and sediment of aquatic systems: a review. *Journal of Chemistry*, vol. 2017, Article ID 5178937, 13 pages, doi:10.1155/2017/5178937. IF: 1.790.
254. Ekundayo Temitope Cyrus and **Okoh I Anthony** (2017). *Plesiomonas shigelloides* seventy years of systematics and taxonomy in perspective of the present-day diagnostic demands. *Research Journal of Medical Sciences*, 11(2):103-113.
255. Adeniji AO, Okoh OO and **Okoh AI** (2017). Petroleum hydrocarbon fingerprints of water and sediment samples of Buffalo river estuary in the Eastern Cape Province, South Africa. *Journal of Analytical Methods in Chemistry*, Article ID 2629365, 13 pages, 2017. doi:10.1155/2017/2629365. IF: 1.878.
256. Benson C Iweriebor, Aboi Igwaran, Abiodun A Adegborioye, Elia J Mmbaga, **Anthony I Okoh**, Larry C Obi (2017). Molecular screening of ticks for the presence of *Rickettsia* species: A public health concern. *Asian Pac J Trop Dis* 2017; 7(4): 199-204.
257. Asisipho Nkohla, Kunle Okaiyeto, Ademola Olaniran, Uchechukwu Nwodo, Leonard Mabinya and **Anthony Okoh** (2017). Optimization of growth parameters for cellulase and xylanase production by *Bacillus* species isolated from decaying biomass. *Journal of Biotech Research*, 8:33-47.
258. Omobola O. Okoh, Grace E. Obiyeke, Uchechukwu U. Nwodo and **Anthony I. Okoh** (2017). Ethanol extract and chromatographic fractions of *Tamarindus indica* stem bark inhibits Newcastle disease virus replication. *Pharmaceutical Biology*, 55(1): 1806-1808. IF: 2.971.

259. Rotimi Abisoye Larayetan, Omobola Oluranti Okoh, **Anthony Okoh** and Sadimenko Alexander (2017). Terpene constituents of the aerial parts, phenolic content, antibacterial potential, free radical scavenging and antioxidant activity of *Callistemon citrinus* (Curtis) Skeels (Myrtaceae) from Eastern Cape Province of South Africa. *BMC Complementary and Alternative Medicine*. 17:292.
260. Nozipo Ntsangani, Kunle Okaiyeto, Uchechukwu Nwodo, Ademola Olaniran, Leonard Mabinya and **Anthony I Okoh** (2017). Bioflocculation potentials of a uronic acid-containing glycoprotein produced by *Bacillus* sp. AEMREG4 isolated from Tyhume River, South Africa. *3 Biotech*, 7:78. IF: 2.27.
261. Abongile Pekana, Uchechukwu U. Nwodo, **Anthony I. Okoh** and Ezekiel Green (2017). Distribution and antibiotic susceptibility profiles of *Staphylococcus* spp. isolated from unpasteurized cow milk locally consumed in Nkonkobe Local Municipality, South Africa. *The International Journal of Applied Research in Veterinary Medicine*, 15(1): 50-59.
262. Nolwazi L. Bhembe, Ishmael F. Jaja, Uchechukwu U. Nwodo, **Anthony I. Okoh** and Ezekiel Green (2017). Prevalence of tuberculous lymphadenitis from slaughtered cattle in the Eastern Cape, South Africa. *International Journal of Infectious Diseases*, 61: 27-37. IF: 3.202.
263. Ojemaye Mike, Omobola Okoh and **Anthony I Okoh** (2017). Adsorption of Cu<sup>2+</sup> from aqueous solution by a novel material; azomethine functionalized magnetic nanoparticles. *Separation and Purification Technology*, 183 (August): 204–215. doi.org/10.1016/j.seppur.2017.02.055. IF: 5.774, SJR: 1.209.
264. Aboi Igwaran, Benson Chuchs Iweriebor, Sunday Ofuzim Okoh, Uchechukwu U. Nwodo, Larry Chikwelu Obi, **Anthony Ifeanyi Okoh** (2017). Chemical constituents, antibacterial and antioxidant properties of the essential oil flower of *Tagetes minuta* grown in Cala community Eastern Cape, South Africa. *BMC Complementary and Alternative Medicine*; 17: 351.
265. Mojisola Owoseni and **Anthony I Okoh** (2017). Chlorine tolerance and inactivation of *E. coli* recovered from wastewater treatment plants in the Eastern Cape, South Africa. *Appl. Sci.*, 7, 810; doi:10.3390/app7080810. IF: 2.474.
266. Asisipho Nkohla, Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya, **Anthony Okoh** (2017). Endoglucanase and xylanase production by *Chryseobacterium* specie isolated from decaying biomass. *Pol. J. Environ. Stud.*, 26(6): 2651-2660. DOI:10.15244/pjoes/68958. IF: 1.383, SJR: 0.366.
267. Martins Ajibade Adefisoye, **Anthony Ifeanyi Okoh** (2017). Ecological and public health implications of the discharge of multidrug resistant bacteria and physicochemical contaminants from treated wastewater effluents in the Eastern Cape, South Africa; *WATER* 9(8), p.562. IF: 2.544.
268. Chinwe J Iwu, Festus I Jaja, Benson Iweriebor, Larry Obi and **Anthony I Okoh** (2017). Antibiotic resistance profiles of *Escherichia coli* O26, O145, and O157:H7 isolated from swine in the Eastern Cape Province, South Africa. *Asian Pacific Journal of Tropical Disease*, 7(9): 553- 559.
269. Mary A Bisi-Johnson, Chikwelu L Obi, Babatunde B Samuel, Jacobus N Eloff, **Anthony I Okoh** (2017). Antibacterial activity of crude extracts of some South African medicinal plants against multidrug resistant etiological agents of diarrhoea. *BMC Complementary and Alternative Medicine*, 17:321.
270. Charles Ayodeji Osunla and **Anthony I Okoh** (2017). *Vibrio* Pathogens: a public health concern in rural water resources in sub-Saharan Africa. *Int. J. Environ. Res. Public Health*, 14, 1188; doi:10.3390/ijerph14101188. IF: 2.849.
271. Ncedo Ntozonke, Kunle Okaiyeto, Arinze S. Okoli, Ademola O. Olaniran, Uchechukwu U. Nwodo, **Anthony I. Okoh** (2017). A Marine Bacterium, *Bacillus* sp. Isolated from the Sediment Samples of Algoa Bay in South Africa Produces Polysaccharide-

- Biofloculant. *Int J Env Res Public Health*, 14, 1149; doi:10.3390/ijerph14101149. IF: 2.849.
272. Sunday O. Okoh, Benson C. Iweriebor, Omobola O. Okoh and **Anthony I. Okoh** (2017). Bioactive constituents, radical scavenging and antibacterial properties of the leaves and stem essential oils from *Peperomia pellucida* (L.) HBK. *Pharmacognosy Magazine*, 13: S392-400. IF: 1.31.
  273. Falade, A.O., Eyisi, O.A.L., Mabinya, L.V., Nwodo, U.U. and **Okoh, A. I.** (2017). Peroxidase production and ligninolytic potentials of fresh water bacteria *Raoultella ornithinolytica* and *Ensifer adhaerens*. *Biotechnology Reports*, 16: 12-17.
  274. Ayodeji Osmund Falade, Ganiyu Obob and **Anthony Ifeanyi Okoh** (2017). Potential Health Implications of the Consumption of Thermally-Oxidized Cooking Oils- a Review. *Pol. J. Food Nutr. Sci.*, 67 (2), pp. 95–105. DOI: 10.1515/pjfn-2016-0028. IF: 1.986.
  275. Abiodun Olagoke Adeniji, Omobola Oluranti Okoh, **Anthony Ifeanyi Okoh** (2017). Petroleum hydrocarbon profiles of water and sediment of Algoa Bay, Eastern Cape, South Africa. *Int J Env Res Pub Health*, 14, 1263; doi:10.3390/ijerph14101263. IF: 2.849.
  276. Omoruyi Idemudia, **Anthony I. Okoh**, Alexander Sadimenko, Eric Hosten and Omobola Okoh (2017). Substituted 4-acyl-5-methyl-2-phenyl-pyrazol-3-one phenylhydrazones with antioxidant properties; x-ray crystal and spectroscopic studies. *Journal of Chemistry*. Volume 2017, Article ID 7943051, 10 pages; doi.org/10.1155/2017/7943051. IF: 1.790.
  277. Anthony Ayodeji Adegoke, Thor Axel Stenström, **Anthony I. Okoh** (2017). *Stenotrophomonas maltophilia* as an emerging ubiquitous pathogen: looking beyond contemporary antibiotic therapy. *Frontiers in Microbiology*, 8:2276. doi: 10.3389/fmicb.2017.02276. IF: 4.076.
  278. Evelyn N. Fatokun, Uchechukwu U. Nwodo, Ademola O. Olaniran and **Anthony I. Okoh** (2017) Optimization of Process Conditions for the Production of Holocellulase by a *Bacillus* Species Isolated from Nahoon Beach Sediments. *American Journal of Biochemistry and Biotechnology*. 1(5):188-190.
  279. Kayode Olayinka Afolabi, Benson Chuks Iweriebor, Larry Chikwelu Obi and **Anthony Ifeanyi Okoh** (2017). Molecular Detection of Porcine circovirus type 2 in Swine Herds of Eastern Cape Province South Africa. *BMC Microbiology*, 17:212; DOI 10.1186/s12866-017-1121-4. IF: 2.965.
  280. Abdulrazaq Yahaya, Omobola O. Okoh, **Anthony I. Okoh**, Abiodun O. Adeniji (2017). Occurrences of organochlorine pesticides along the course of Buffalo River in the Eastern Cape of South Africa and its health implications. *Int J Env Res Pub Health*, 14, 1372; doi:10.3390/ijerph14111372. IF: 2.849.
  281. Tosin A Olasehinde, Ademola O Olaniran, Leonard V Mabinya and **Anthony I Okoh** (2017). Algae as an important resource of natural products of medical and biotechnological importance. *Trop J Nat Prod Res*. *Trop J Nat Prod Res*. 2017; 1(5):188-190. doi.org/10.26538/tjnpr/v1i5. 21(5):188-190.
  282. Z.C. Dlamini, R.L.S. Langa, O. A. Aiyegoro & **A.I. Okoh** (2017). Effects of probiotics on growth performance, blood parameters, and antibody stimulation in piglets. *South African Journal of Animal Science*, 47 (6). doi.org/10.4314/sajas.v47i6. IF: 0.847.
  283. Asive Myataza, Etinosa O. Igbinosa, Ehimario U. Igumbor, Nolonwabo Nontongana and **Anthony I. Okoh** (2017) Incidence and antimicrobial susceptibility of *Escherichia coli* O157: H7 isolates recovered from dairy farms in Amathole District Municipality, Eastern Cape, South Africa. *Asian Pacific Journal of Tropical Disease*, 7(12): 765-770.
  284. Godfred Ngu Tanih, **Anthony Ifeanyi Okoh**, Roland Ndip Ndip, Uchechukwu Uche Nwodo, Ezekiel Green (2017). Multidrug resistance in *Enterococcus* species of faecal

origin from commercial dairy lactating cattle: Public health concern. *Asian Pac J Trop Dis* 2017; 7(11).

285. Mike O. Ojemaye, Omobola O. Okoh and **Anthony I. Okoh** (2017). Surface modified magnetic nanoparticles as efficient adsorbents for heavy metal removal from wastewater: progress and prospects, *Material Express*, 7(6): 439-456. IF: 1.650.
286. Engwa Godwill; Marcellus Unaegbu; Marian Unachukwu; Mary-Gloria Njoku; Kingsley Agbafor; Wilfred Fon Mbacham; **Anthony Okoh** (2017). Low Serum Ferritin and G6PD Deficiency as Potential Predictors of Anaemia in Pregnant Women visiting Prime Care Hospital Enugu Nigeria. *BMC Research Notes*, 10:721. doi.org/10.1186/s13104-017-3051-5.

## 2016

287. Kunle Okaiyeto, Uchechukwu U. Nwodo, Arinze S. Okoli, Leonard V. Mabinya, **Anthony Okoh** (2016). Studies on a Biofloculant Production by *Bacillus* sp. AEMREG7. *Polish Journal of Environmental Studies*, 25 (1): 236-245. IF: 1.383. SJR: 0.366.
288. Chinwe Juliana Iwu, Benson Chuks Iweriebor, Larry Chikwelu Obi, **Anthony Ifeanyi Okoh** (2016). Occurrence of non-O157 Shiga toxin-producing *Escherichia coli* in two commercial swine farms in the Eastern Cape Province, South Africa. *Comparative Immunology, Microbiology & Infectious Diseases*, 44:48-53. IF: 1.573.
289. MA Adefisoye and **AI Okoh** (2016). Identification and antimicrobial resistance prevalence of pathogenic *Escherichia coli* strains from treated wastewater effluents in Eastern Cape, South Africa. *MicrobiologyOpen*, 5(1): 143-151. IF: 2.71 SJR: 1.113.
290. Okaiyeto K, Mabinya LV, Nwodo UU, Okoli AS and **Okoh AI** (2016). Implications for public health demands alternatives to inorganic and synthetic flocculants: Biofloculants as important candidates. *MicrobiologyOpen*. doi: 10.1002/mbo3.334. IF: 2.71 SJR: 1.113.
291. Kunle Okaiyeto, Uchechukwu U. Nwodo, Arinze S. Okoli, Leonard V. Mabinya and **Anthony I. Okoh** (2016). Evaluation of flocculating performance of a thermostable biofloculant produced by marine *Bacillus* sp. *Env Tech*. 37(14), 1829–1842. IF: 2.213 SJR: 0.485.
292. Isoken H. Igbinosa, Etinosa O. Igbinosa and **Anthony I. Okoh** (2016). Antibiogram characterization and putative virulence genes in *Aeromonas* species isolated from pig fecal samples. *Environmental Science and Pollution Research*, Volume 23 (12): 12199-12205. IF: 3.056.
293. Benson Chuks Iweriebor; Larry C Obi; **Anthony Okoh** (2016). Macrolide, Glycopeptide Resistance and Virulence Genes in *Enterococcus* species Isolates from Dairy Cattle. *Journal of Medical Microbiology*, 65, 641–648. IF: 2.156.
294. Adefisoye MA, Nwodo UU, Green E and **Okoh AI** (2016). Quantitative PCR Detection and Characterisation of Human Adenovirus, Rotavirus and Hepatitis A Virus in Discharged Effluents of Two Wastewater Treatment Facilities in the Eastern Cape, South Africa. *Food and Environmental Virology*. 8:262–274. DOI 10.1007/s12560-016-9246-4. IF: 5.5.
295. Nneoma Akaniro-Ejim, Chibuike Ubani, Nkoyo Nubila, Alexander Nzei, Uchechukwu Nwodo and **Anthony Okoh** (2016). Evaluation of saponin extract from *Vitex doniana* and *Pentaclethra macrophylla* for antibacterial activity. *Applied Sciences*, 6, 180; doi: 10.3390/app6060180. IF: 2.474.
296. Falade AO, Nwodo U, Iweriebor B, Green E, Mabinya L and **Okoh AI** (2016). Lignin Peroxidase Functionalities and Prospective Applications. *MicrobiologyOpen*. DOI: 10.1002/mbo3.394. IF: 2.71 SJR: 1.113.

297. Chinwe Juliana Iwu, Benson Chuks Iweriebor, Larry Chikwelu Obi, Albertus Kotze Basson and **Anthony Ifeanyi Okoh** (2016). Multidrug resistant *Salmonella* isolates from Swine in the Eastern Cape Province, South Africa. *Journal of Food Protection*, Vol. 79, No. 7, 2016, Pages 1234–1239. IF: 1.581 SJR: 0.587.
298. Engwa Azeh Godwill, Marcellus Unaegbu, Aniakor Uchenna Esther, Osuji Amarachukwu Gloria, Agbafor Nwonu Kingsley, Olayinka Ayobami Aiyegoro and **Okoh Anthony** (2016). Antioxidant and Antidiabetic Activities of the Seed and Leaf Extracts of *Chrysophyllum albidum*. *Asian Pacific Journal of Tropical Disease*, 6(8): 642-649.
299. Sunday Okoh, Benson C. Iweriebor and **Anthony I. Okoh** (2016). Antibacterial and Antioxidant Properties of the Leaves and Stem Essential Oils of *Jatropha gossypifolia* L. *BioMed Research International*. Volume 2016, Article ID 9392716, 9 pages. IF: 2.276.
300. Busisiwe Makapela, Kunle Okaiyeto, Ncedo Ntozonke, Uchechukwu Nwodo, Ezekiel Green, Leonard Mabinya and **Anthony Okoh** (2016). Assessment of *Bacillus pumilus* Isolated from Fresh Water Milieu for Biofloculant Production. *Applied Sciences*, 6:211. IF: 2.474.
301. Christy E. Manyi-Loh, Sampson N. Mamphweli, Edson L. Meyer, Golden Makaka, Michael Simon, **Anthony I. Okoh** (2016). An Overview of the Control of Bacterial Pathogens in Cattle Manure. *Int. J. Environ. Res. Public Health*, 13, 843. IF: 2.849.
302. Lamidi Waheed Babatunde Olaniyan, Noxolo Mkwetshana and **Anthony Okoh** (2016). Triclosan in water: implications for human and environmental health. *SpringerPlus*, 5:1639. DOI 10.1186/s40064-016-3287-x.
303. Luyanda Msolo, Etinosa Ogbomoede Igbinsosa and **Anthony Ifeayin Okoh** (2016). Prevalence and antibiogram profiles of *Escherichia coli* O157:H7 isolates recovered from three selected dairy farms in the Eastern Cape Province, South Africa. *Asian Pac J Trop Dis*, 6(11): 6(12): 990-995.
304. Oladokun, Mary Oyenike and **Okoh, Ifeayin Anthony** (2016). *Vibrio cholerae*: A historical perspective and current trend. *Asian Pacific Journal of Tropical Disease*, Volume 6, Issue 11, Pages 895–908.
305. Evelyn Fatokun, Uchechukwu Nwodo and **Anthony I Okoh** (2016). Classical optimization of cellulase and xylanase production by a marine *Streptomyces* species. *Applied Sciences*. 6, 286; doi:10.3390/app6100286. IF: 2.474.
306. Sunday Ofuzim Okoh, Benson Chucks Iweriebor, Omobola Oluranti Okoh, Uchechukwu Uchechukwu Nwodo, **Anthony Ifeayin Okoh** (2016). Bactericidal and antioxidant properties of essential oils from the fruits *Dennettia tripetala* G. Baker. *BMC Complementary and Alternative Medicine*, 16:486.
307. Ziyanda Mmango-Kaseke, Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard Mabinya and **Anthony I. Okoh** (2016). Optimization of cellulase and xylanase production by *Micrococcus luteus* strain SAMRC-UFH3 under submerged fermentation *Sustainability*, 8, 1168. doi:10.3390/su8111168. IF: 2.576.

## 2015

308. Christy Manyi-Loh, Meyer Edson, Okoh Anthony, Mamphweli, Sampson, Makaka, Golden, Simon, Michael (2015). Investigation into the biogas production potential of dairy cattle manure. *International Journal of Clean Energy and Technologies*, 3(5): 326-331.
309. David A. Akinpelu, Olayinka Ayobami Aiyegoro, Oluseun F Akinpelu, Anthony I. Okoh (2015). Stem bark extract and fraction of *Persia americana* (Mill.) exhibited bactericidal activities against strains of *Bacillus cereus* associated with food poisoning. *MOLECULES*, 20, 416-429. IF: 3.267.



310. Anthony A. Adegoke and Anthony I. Okoh (2015). Antibiogram of *Stenotrophomonas maltophilia* from Plant Root Rhizospheres in Nkonkobe Municipality, Eastern Cape Province, South Africa. [Jundishapur Journal of Microbiology](#). 8(1): e13975. IF: 0.593.
311. **Anthony I. Okoh**, Timothy Sibanda, Vuyokazi Nongogo, Martins Adefisoye, Osuolale O Olayemi and Nolonwabo Nontongana (2015). Prevalence and characterisation of non-cholerae *Vibrio* spp. in final effluents of wastewater treatment facilities in two Districts of the Eastern Cape Province of South Africa: Implications for public health. *Environmental Science and Pollution Research*, 22:2008–2017. IF: 3.056.
312. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya and **Anthony I. Okoh** (2015). *Bacillus toyonensis* Strain AEMREG6, a Bacterium Isolated from South African Marine Environment Sediment Samples Produces a Glycoprotein Biofloculant. *MOLECULES*, 20, 5239- 5259. IF: 3.267.
313. Titilawo OY, Obi CL and **Okoh AI** (2015). Antimicrobial resistance determinants of *Escherichia coli* isolates recovered from some rivers in Osun State, South-Western Nigeria: implications for public health. *Science of the Total Environment*, 523: 82-94. IF: 6.551.
314. David A Akinpelu, Kazeem A Alayande, Olayinka A Aiyegoro, Oluseun F Akinpelu and **Anthony I Okoh** (2015). Probable mechanisms of biocidal action of *Cocos nucifera* husk extract and fractions on bacterial isolates. *BMC Complementary and Alternative Medicine*, 15:116.
315. Benson C Iweriebor, Sisipo Gaqavu, Larry C Obi, Uchechukwu Nwodo, **Anthony I Okoh** (2015). Antibiotic susceptibilities of *Enterococcus* species isolated from hospital and domestic wastewater effluents in Alice, Eastern Cape Province of South Africa, *Int. J. Environ. Res. Public Health*, 12, 4231-4246. IF: 2.849.
316. Kunle Okaiyeto, Uchechukwu U Nwodo, Leonard V. Mabinya and **Anthony I Okoh** (2015). Characterization and flocculating properties of a biopolymer produced by *Halomonas* sp. Okoh. *Water Environment Research*, 87(4): 298-303. IF: 1.369.
317. Ugbenyen A. M., Vine N., Simonis J. J., Basson A. K. and **Okoh A. I.** (2015). Characterization of a biofloculant produced from the consortium of three marine bacteria of the genera *Cobetia* and *Bacillus* and its application for wastewater treatment. *Journal of Water, Sanitation and Hygiene for Development*, 5(1): 81-88. IF: 1.022.
318. Kunle Okaiyeto, Uchechukwu Nwodo, Leonard Mabinya, Arinze S Okoli and **Anthony Okoh** (2015). Characterization of a biofloculant (MBF-UFH) produced by *Bacillus* sp. AEMREG7. *Int J Mol Sci*. 16, 12986-13003. IF: 4.556.
319. Yinka Titilawo, Timothy Sibanda, Larry Obi and **Anthony Okoh** (2015). Multiple antibiotic resistance indexing of *Escherichia coli* to identify high-risk sources of faecal contamination of water. *Environmental Science and Pollution Research*, 22: 10969–10980. IF: 3.056.
320. Benson C Iweriebor, Larry C Obi and **Anthony I Okoh** (2015). Virulence and antimicrobial resistance factors of *Enterococcus* spp. isolated from fecal samples from piggery farms in Eastern Cape, South Africa. *BMC Microbiology*, 12: 136. IF: 2.989.
321. Olayinka O Osuolale and **Anthony I Okoh** (2015). Incidence of human adenoviruses and hepatitis A viruses in the final effluent of selected wastewater treatment plants in the Eastern Cape Province. *Virology Journal*, 12:98. IF: 2.464.
322. Yesenia Herrera, Laura Alvarez, **Anthony I. Okoh**, Norma Robledo, D. Morales and María R. Trejo-Hernández (2015). Biodegradation of aniline by a consortium of *Bacillus* species isolated from oil contaminated soil in Mexico. *Int J Curr Res Acad Rev*, 3(8): 163-174.
323. Benson Iweriebor, Chinwe Juliana Iwu, Larry C Obi, Uchechukwu U Nwodo and **Anthony I Okoh** (2015). Multiple Antibiotic Resistances among Shiga Toxin-Producing

- Escherichia coli O157 in Feces of Dairy Cattle Farms in Eastern Cape of South Africa. *BMC Microbiology*, 15:213. IF: 2.989.
324. Olayinka Osuolale and **Anthony Okoh** (2015). Assessment of the physicochemical qualities and prevalence of Escherichia coli and Vibrios in the final effluents of two wastewater treatment plants in South Africa: ecological and public health implications. *Int J Env Res Publ health*. 12: 13399-13412. IF: 2.849.
325. Isoken H. Igbinsosa, Etinosa O. Igbinsosa and **Anthony I. Okoh** (2015). Detection of antibiotic resistance, virulence gene determinants and biofilm formation in Aeromonas species isolated from cattle. *Environmental Science and Pollution Research*, 22:17596–17605. IF: 3.056.
326. Yinka O Titilawo, Larry C Obi and **Anthony I Okoh** (2015). Occurrence of virulence gene signatures associated with diarrhoeagenic and non-diarrhoeagenic pathovars of Escherichia coli isolates from some selected rivers in South-Western Nigeria. *BMC Microbiology*, 15:204. IF: 2.989.

## 2014

327. Nwodo, Uchechukwu U, Green, Ezekiel, Mabinya, Leonard V, Okaiyeto, Kunle, Rumbold, Karl, Obi, Lawrence C and **Okoh, Anthony I** (2014). Bioflocculant Production by a consortium of Streptomyces and Cellulomonas species and Media Optimization via Surface Response Model. *Colloids and Surfaces B: Biointerfaces* 116 (2014) 257– 264. IF: 3.997.
328. D. Penduka, L. Buwa, B. Mayekiso, A. K. Basson and **A. I. Okoh** (2014). Identification of the Anti-*Listerial* Constituents in Partially Purified Column Chromatography Fractions of *Garcinia kola* Seeds and Their Interactions with Standard Antibiotics. *Evidence-Based Complementary and Alternative Medicine*. Volume 2014, Article ID 850347, 8 pages. IF: 2.064.
329. Ugbenyen, A.M, Cosa, S., Mabinya, L.V., **Okoh A.I.** (2014). Bioflocculant production by *Bacillus* sp. Gilbert isolated from a marine environment in South Africa. *Appl. Biochem Microb.*, 50(1):49-54. IF: 1.022.
330. Ugbenyen A M and Okoh A I (2014). Characteristics of a bioflocculant produced by a consortium of *Cobetia* and *Bacillus* species and its application in treatment of wastewaters. *WATER SA*, 40(1): 139-144. IF: 1.094.
331. Penduka Dambudzo, Basson K Albert, Mayekiso Buyisile, Buwa Lisa and **Okoh I Anthony** (2014). Gas chromatography-mass spectrometry characterization of the anti-*listerial* components of the n-hexane column fractions of *Garcinia kola* seeds. *Appl. Biochem. Microbiol.* 50(3): 329–337. IF: 1.022.
332. Isoken H. Igbinsosa, Etinosa O. Igbinsosa and **Anthony I. Okoh** (2014). Molecular Detection of Metallo- $\beta$ -Lactamase and Putative Virulence Genes in Environmental Isolates of *Pseudomonas* species. *Polish Journal of Environmental Studies*, 23(6): 2327-2331. IF: 1.383.
333. Chigor VN, Sibanda T and **Okoh AI** (2014). Assessment of the Risks for Human Health of Adenoviruses, Hepatitis A Virus, Rotaviruses and Enteroviruses in the Buffalo River and Three Source Water Dams in the Eastern Cape. *Food and Environmental Virology*. 6:87–98. IF: 2.819.
334. Soyege O.A, Ajayi A.O, Ngwenya E, Basson A.K and **Okoh A.I** (2014). Assessment of vancomycin and oxacillin co-resistance for commensal Staphylococci in Nkonkobe municipality, South Africa. *Jundishapur Journal of Microbiology*, 7(4): e9310. IF: 0.59.
335. Anthony A. Adegoke and **Anthony I. Okoh** (2014). Species diversity and antibiotic resistance properties of Staphylococcus of farm animal origin in Nkonkobe Municipality, South Africa. *Folia Microbiol.*, 59:133-140. IF: 1.730.

336. Sekelwa Cosa and **Anthony Okoh** (2014). Biofloculant production by a consortium of two bacterial species and its potential application in industrial wastewater and river water treatment. *Polish Journal of Environmental Studies*, 23(3):689-696. IF: 1.383.
337. Christy Manyi-Loh, Samson N. Mamphweli, Edson. Meyer, **Anthony I. Okoh**, Golden Makaka, Michael Simon (2014). Inactivation of selected bacterial pathogens in dairy cattle manure by mesophilic anaerobic digestion (Balloon type digester). *Int J Env Res Pub Health*, 11: 7184- 7194. IF: 2.849.
338. Dambudzo Penduka, Rebamang Mosa, Mthokozisi Simelane, Albert Basson, **Anthony Okoh** and Andy Opoku (2014). Evaluation of the Anti-Listeria potentials of some plant-derived triterpenes. *Annals of Clinical Microbiology and Antimicrobials*, 13:37. IF: 1.367.
339. Uchechukwu U. Nwodo, **Anthony I. Okoh** (2014). Mixed Culture Fermentation and Media Optimization by Response Surface Model: *Streptomyces* and *Brachy bacterium* species in Biofloculant Production. *MOLECULES*, 19: 11131-11144. IF: 3.267.
340. Nolonwabo Nontongana, Timothy Sibanda, Elvis Ngwenya, **Anthony Okoh** (2014). Prevalence and Antibio gram Profiling of *Escherichia coli* Pathotypes Isolated from the Kat River and the Fort Beaufort Abstraction Water. *Int J Env Res Pub Health*, 11: 8213-8227. IF: 2.849.
341. Ajayi A.O and **Okoh A.I** (2014). Bacteriological study of pond water for aquaculture purposes. *Journal of Food, Agriculture & Environment*, 12(2): 1260-1265.
342. Vuyokazi Nongogo and **Anthony. I Okoh** (2014). Occurrence of *Vibrio* pathotypes in the final effluents of five wastewater treatment plants in Amathole and Chris Hani District Municipalities in South Africa. *Int J Env Res Pub Health*, 11:7755-7766. IF: 2.849.
343. Timothy Sibanda, Vincent Chigor, Siziwe Koba, Larry Chikwelu Obi and **Anthony Okoh** (2014). Characterization of the physicochemical qualities of a typical rural-based river: ecological and public health implications. *International Journal of Environmental Science and Technology*, 11: 1771-1780. IF: 2.540.
344. K. Okaiyeto, U. U. Nwodo, L. V. Mabinya, and **A. I. Okoh** (2014). Evaluation of the flocculation potential and characterization of biofloculant produced by *Micrococcus* sp. Leo. *Applied Biochemistry and Microbiology*, Vol. 50, No. 6, pp. 587–594. IF: 1.022.
345. Nolwazi L Bhembe, Uchechukwu U Nwodo, Sharlene Govender, Cindy Hayes, Roland N Ndip, **Anthony I Okoh** and Ezekiel Green (2014). Molecular detection and characterization of resistant genes in *Mycobacterium tuberculosis* complex from DNA isolated from tuberculosis patients in the Eastern Cape Province South Africa. *BMC Infectious Diseases*, 14:479. IF: 1.331.
346. Lesley-Anne Caine, Uchechukwu U. Nwodo, **Anthony I, Okoh**, Roland Ndip, Ezekiel Green (2014). Occurrence of virulence genes associated with diarrheagenic *Escherichia coli* isolates from raw cow milk from two commercial dairy farms in the Eastern Cape Province, South Africa. *Int J Env Pub Health Res*, 11: 11950-11963. IF: 2.849.

## 2013

347. Nwodo Uchechukwu and **Okoh Anthony** (2013). Characterization and Flocculation Properties of Biopolymeric Flocculant (Glycosaminoglycan) Produced by *Cellulomonas* sp. Okoh. *Journal of Applied Microbiology*, 114(5): 1325-1337. IF 3.006.
348. Igbinsola INH and **Okoh AI** (2013). Detection and distribution of putative virulence associated genes in *Aeromonas* species from freshwater and wastewater treatment plant. *Journal of Basic Microbiology*, 53: 895-901. IF 1.909.
349. Kodisang L Seiphepo, Mobolaji F. Adegboye, Ayodele A. Sobowale, **Anthony I. Okoh** and Olubukola O. Babalola (2013). Genotypic and phenotypic diversity of culturable rhizobacteria from field-grown crops in Mahikeng, South Africa. *Journal of Food, Agriculture & Environment* Vol.11 (2): 583 – 590. IF: 0.340.

350. Uchechukwu U. Nwodo, Mayowa O. Agunbiade, Ezekiel Green, Mutshinyalo Nwamadi, Karl Karl Rumbold and **Anthony I. Okoh** (2013). Characterization of an Exopolymeric Flocculant Produced by a *Brachy bacterium* sp. MATERIALS, 6: 1237-1254. IF: 3.456.
351. Ajayi A.O and Okoh A.I (2013). Microbiological survey of fungi in aquatic sources. *Archives Des Sciences*, 66(1): 262-289. IF: 0.38.
352. Peter A. Ajibade, Omoruyi G. Idemudia and **Anthony I. Okoh** (2013). Synthesis, characterization and antibacterial studies of metal complexes of sulfadiazine with n-alkyl-nphenyldithiocarbamate. *Bull. Chem. Soc. Ethiop.*, 27(1): 77-84. IF: 0.837.
353. Ezekiel Green, Lawrence C. Obi, **Anthony I. Okoh**, Maphoshane. Nchabeleng, Babsie. E. de Villiers, Tomas Letsoalo, Anwar A. Hoosen, Pascal O. Bessong, Roland N. Ndip (2013). IS6110 restriction fragment length polymorphism typing of drug resistant *Mycobacterium tuberculosis* isolates from Northeast of South Africa. *Journal of Health, Population and Nutrition*, 30(1): 1-10. IF: 1.821.
354. B. C. Iweriebor, N. J. Ramalivhana, T. Hattori, **A. I. Okoh** and C. L. Obi (2013). Vancomycin resistant coagulase-negative Staphylococcal isolates from HIV positive patients in the Limpopo Province, South Africa. *Journal of Microbiology and Antimicrobials* Vol. 5(2), pp. 18-24.
355. Sibanda T and **Okoh AI** (2013). Real-time PCR quantitative assessment of some RNA viruses in Tyume River located in the Eastern Cape Province, South Africa. *WATER SA*, 39(2): 295-304. DOI: [10.4314/wsa.v39i2.14](https://doi.org/10.4314/wsa.v39i2.14). IF: 1.094
356. Sekelwa Cosa, Anthony M. Ugbenyen, Leonard V. Mabinya, Karl Rumbold and **Anthony Okoh** (2013). Characterization and flocculation efficiency of a bioflocculant produced by a marine *Halobacillus*. *Environ Tech*, 34(18): 2671-2679. IF: 2.213.
357. Cosa S, Ugbenyen M.A, Mabinya V.L., Rumbold K., Olaniran O.A., Aghdasi F. and **Okoh I.A.** (2013). A marine bacterium, *Oceanobacillus* sp. Pinky, isolated from Algoa Bay sediment produces a thermostable glycoprotein flocculant. *Afr. J. Biotech.*, 12(26): 4135-4146. 10.5897/AJB2013.12041 IF: 0.573.
358. Moses A. Ugbenyen and **Anthony I. Okoh** (2013) Flocculating Properties of a Bioflocculant Produced by *Bacillus* sp. Isolated from a Marine Environment in South Africa. *Chem. Biochem. Eng. Q.*, 27 (4) 511–518.
359. Cosa Sekelwa, Ugbenyen M. Anthony, Mabinya L. Vuyani, **Okoh I. Anthony** (2013). Characterization of a thermostable polysaccharide bioflocculant produced by *Virgibacillus* specie isolated from Algoa Bay. *African Journal of Microbiology Research*, 7(23): 2925-2938.
360. Vincent N. Chigor, Timothy Sibanda & **Anthony I. Okoh** (2013). Studies on the bacteriological qualities of the Buffalo River and three source water dams along its course in the Eastern Cape Province of South Africa. *Environ Sci Pollut Res*, 20:4125–4136. IF: 3.056.
361. Vincent N. Chigor & Timothy Sibanda & **Anthony I. Okoh** (2013). Variations in the physicochemical characteristics of the Buffalo River in the Eastern Cape Province of South Africa. *Environ Monit Assess*, 185(10): 8733-8747. IF: 2.273.
362. Penduka Dambudzo and **Okoh I Anthony** (2013). Antibacterial potentials of the crude dichloromethane extract of *Garcinia kola* (Heckle) seeds against some *Listeria* species isolated from wastewater effluents. *Journal of Pure and Applied Microbiology*, 7(2): 1055-1063. IF: 0.230.
363. Sibanda Timothy and **Okoh I Anthony** (2013). Water quality deterioration and its socio-economic implications. *Journal of Pure and Applied Microbiology*, 7(2): 1189-1206.
364. Adeyemi, OO, Basson A, Tom, M, Clarke, A and **Okoh AI** (2013). Multi-drug resistance in *Stenotrophomonas maltophilia* isolated from Nkonkobe Municipality environment in the Eastern Cape Province, South Africa. *Journal of Pure and Applied Microbiology*, Vol 7(2): 905-912. IF: 0.230.

365. Ntsaluba Luvuyo, Uchechukwu U Nwodo, Leonard V Mabinya, **Anthony I Okoh**, Uchechukwu Nwodo (2013). Studies on bioflocculant production by a mixed culture of *Methylobacterium* sp. Obi and *Actinobacterium* sp. Mayor. *BMC Biotechnology*, 13:62. IF: 2.387.
366. Ajayi A.O and **Okoh A.I** (2013b). Antibiotic susceptibilities and enzymatic responses of some soil microflora. *Archives Des Sciences Journal*. ISSN: 1661-464X. 66 (7): 130-149. IF 0.38.
367. Ajayi A.O and **Okoh A.I** (2012). Antimycotic activity of some medicinal plants on aquatic fungi. *European Journal of Experimental Biology*. 3(1): 16-21. IF 1.91.
368. Christy Manyi-Loh, Sampson Mamphweli, Edson Meyer, **Anthony Okoh**, Golden Makaka, and Michael Simon (2013). Microbial anaerobic digestion (bio-digesters) as an approach to the decontamination of biomass wastes in pollution control and the generation of renewable energy. *Int J Enr Res Pub Health*, 10: 4390-4417. IF: 2.849.
369. Olatunji M Kolawole, Tolulope O Oladosu, Aisha A Abdulkarim and **Anthony I Okoh** (2013). Prevalence of Adenovirus Respiratory Tract and HIV Co-Infections In Patients Attending The University Of Ilorin, Teaching Hospital, Ilorin, Nigeria. *BMC Research Notes*. IF: 1.293.
370. Isoken H. Igbinosa, Lawrence Obi, **Anthony I. Okoh**, Vincent Chigor and Etinosa O. Igbinosa (2013). Antibioqram, adhesive characteristics and incidence of class 1 integron in *Aeromonas* species isolated from two South African Rivers. *BioMed Research International*. Article ID 127570, 8 pages. IF: 2.276.
371. Sibanda T, Chigor V and **Okoh AI** (2013). Seasonal and spatio-temporal distribution of faecal indicator bacteria in Tyume River in the Eastern Cape Province, South Africa. *Environmental Monitoring and Assessment*, 185(8): 6679-6590. 1.903.
372. Kunle Okaiyeto, Uchechukwu Nwodo, Leonard Mabinya, and **Anthony I. Okoh** (2013). Characterization of bioflocculant produced by a consortium of *Halomonas* sp. Okoh and *Micrococcus* sp. Leo. *Int J Env Res Pub Health*, 10, 5097-5110. . IF: 2.849.
373. Adegoke A. Anthony and **Okoh I Anthony** (2013). *Staphylococcus* Species and Emerging Traits in their Commensal Subgroup: A Call to Arms. *Journal of Pure and Applied Microbiology*, Vol. 7(4), p. 3281-3291. IF: 0.230.
374. Emmanuel O. Abioye, David A. Akinpelu, Olayinka A. Aiyegoro, Mobolaji F. Adegboye, Matthew O. Oni and **Anthony I. Okoh** (2013). Preliminary phytochemical screening and antibacterial properties of crude stem bark extracts and fractions of *Parkia biglobosa* (Jacq.). *MOLECULES*, 18, 8485-8499. IF: 3.267.

## 2012

375. Anthony A. Adegoke, Tom Mvuyo, and **Anthony I. Okoh** (2012). Ubiquitous *Acinetobacter* species as beneficial commensals but gradually being emboldened with antibiotic resistance genes. *Journal of Basic Microbiology*, 52, 620–627. IF: 1.909.
376. Adegoke, Anthony A. and **Okoh, Anthony I** (2012). Studies on symptomatic urinary tract infection and asymptomatic bacteriuria in a university community. *J. Pure Appl. Microb.* 6(1): 111- 118. IF: 0.230.
377. Adegoke, Anthony A., Tom, Mvuyo and **Okoh, Anthony I** (2012). *Stenotrophomonas maltophilia*, a commensal of importance to biotechnology. *Journal of Pure and Applied Microbiology*, 6(2): 765-772. IF: 0.230.
378. Leonard V Mabinya, Sekelwa Cosa, Uchechukwu Nwodo, **Anthony I Okoh** (2012). Studies on bioflocculant production by *Arthrobacter* sp. Raats, a freshwater bacteria isolated from Tyume River, South Africa. *Int. J. Mol. Sci.* 13, 1054-1065. IF 4.556.
379. Sekelwa Cosa, Leonard V Mabinya, Ademola O Olaniran and **Anthony I. Okoh** (2012). Production and Characterization of Bioflocculant Produced by *Halobacillus* sp. Mvuyo

- Isolated from Bottom Sediment of Algoa Bay. *Environmental Technology*. 33(9): 967–973. IF 2.152.
380. Vincent Nnamdigadi Chigor, Veronica J Umoh, Charles A. Okuofu, Joseph B. Ameh, Etinosa O Igbinosa and **Anthony I. Okoh** (2012). Water quality assessment: surface water sources used for human consumption in Zaria, Nigeria are a public health hazard. *Environ Monit Assess*, 184:3389–3400. IF: 1.959.
381. Omoruyi G. Idemudia, Peter A. Ajibade and **Anthony I. Okoh** (2012). Synthesis, characterization and antibacterial screening of 2,4-diaminopyrimidine pyrimethamine and trimethoprim silver complexes. *Afr J Biotech*, 11(39): 9323-9329. IF: 0.573.
382. O.M. Kolawole, J.O. Adebayo, S.O. Oguntoye, **A.I. Okoh** and N. Mazomba (2012). Haematological evaluations of the antimalarial activity of *Bridelia ferruginea* benth bark. *Journal of Pure & Applied Microbiology*, Vol. 6(2): 557-563. IF: 0.230.
383. **Okoh, A.I.**, Adegoke, A.A., Adesemoye, O.O., Babalola O.O., Igbinosa, I.N.H. and Aghdasi F (2012). Escherichia coli, a beneficial Bug, but a dynamic Threat to Public Health: Call to Caution. *Journal of Pure and Applied Microbiology*. Vol. 6 No. 3: 1069-1081. IF: 0.230.
384. Adegoke, Anthony A. and **Okoh, Anthony I** (2012). Commensal *Staphylococcus* spp., *Acinetobacter* spp. and *Stenotrophomonas maltophilia* as reservoirs of antibiotic resistance genes. *African Journal of Biotechnology*, 11(61): 12429-12435. IF: 0.573.
385. Emmanuel Odjadjare, Etinosa Igbinosa, Raphael Mordi, Bright Igere, Clara Igeleke, **Anthony Okoh** (2012). Prevalence of multiple antibiotic resistant (MAR) *Pseudomonas* species in the final effluents of three municipal wastewater treatment facilities in South Africa. *Int J Environ Res Pub Health*, 9: 2092-2107. IF: 2.849.
386. Anthony Ugbenyen, Sekelwa Cosa, Leonard Mabinya, Olubukola O Babalola, Farhad Aghdasi, **Anthony Okoh** (2012). Thermostable Bacterial Biofloculant Produced by *Cobetia* Spp. Isolated From Algoa Bay. *Int. J. Environ. Res. Public Health*, 9, 2108-2120. IF: 2.849.
387. B. C. Iweriebor, C. L. Obi, O. Akinyemi, N. J. Ramalivhana, T. Hattori and **A. I. Okoh** (2012). Uropathogens isolated from HIV-infected patients from Limpopo Province, South Africa. *African Journal of Biotechnology* Vol. 11(46), pp. 10598-10604. IF: 0.573.
388. Sekelwa Cosa and **Anthony I Okoh** (2012). Prevalence of culturable marine actinomycetes genera in near-shore sediments of Algoa Bay in the Eastern Cape Province of South Africa. *Journal of Pure and Applied Microbiology*, Vol. 6 No. 3: 1111-1118. IF: 0.230.
389. Adegboye MF, Babalola OO, Ngoma L and **Okoh AI** (2012). Analyses of *Streptomyces* spp. Native to Mahikeng soils in South Africa. *Journal of Pure and Applied Microbiology*, Vol. 6 No. 3: 1001-1010. IF: 0.230.
390. Uchechukwu Nwodo, Ezekiel Green, Leonard Mabinya, Mayowa Agunbiade, **Anthony Okoh** (2012). A freshwater *Streptomyces* isolated from Tyume River produces a predominantly extracellular glycoprotein biofloculant. *Int. J Mol Sci.*, 13: 8679-8695. IF 4.556.
391. Vincent Chigor and **Anthony Okoh** (2012). Quantitative RT-PCR detection of Hepatitis A virus, rotaviruses and enteroviruses in the Buffalo River and source water dams in the Eastern Cape Province of South Africa. *Int J Env. Res. Pub. Health*, 9: 4017-4032. IF: 2.849.
392. Chigor VN and **Okoh AI** (2012). Quantitative detection and characterization of human adenoviruses in the Buffalo River in the Eastern Cape Province of South Africa. *Food and Environmental Virology*, 4:198–208. IF: 2.819.
393. Ajayi A.O and **Okoh A.I** (2012). Antimycotic activity of some medicinal plants on aquatic fungi. *European Journal of Experimental Biology*, 2012, 2 (6):2465-2470.

394. Isoken H, Igbinosa, Uchechukwu U, Nwodo, Anibal Sosa, Mvuyo Tom and **Anthony I. Okoh** (2012). Commensal *Pseudomonas* species isolated from wastewater and freshwater milieus in the Eastern Cape Province, South Africa as reservoir of antibiotic resistant determinants. *Int J Environ Res Public Health*, 9(7), 2537-2549. IF: 2.849.
395. Uchechukwu U, Nwodo, Ezekiel Green, **Anthony I. Okoh** (2012). Bacterial exopolysaccharides: functionality and prospects. *Int J Mol Sci.*, 13: 14002-14015. IF 4.556.
396. Adeyemi SA, Lewu F, Adebola PO, Bradley G and **Okoh AI** (2012). Protein content variation in cowpea genotypes (*Vigna unguiculata* L. walp.) grown in the Eastern Cape Province of South Africa as affected by mineralised goat manure. *Afr. J. Agric. Res.* 7(35): 4943-4947.
397. Olatunji M Kolawole, Abideen A Wahab, Daniel A Adekanle, Timothy Sibanda and **Anthony I Okoh** (2012). Seroprevalence of hepatitis B surface antigenemia and its effects on hematological parameters in pregnant women in Osogbo, Nigeria. *Virology Journal*, 9:317. IF: 2.464.
398. Mubazangi M., Kolawole M., Aghdasi F. and **Okoh A.I.** (2012). Clostridia as surrogate indicator of water quality: two wastewater treatment plants in South Africa as case study. *J Pure Appl Microbiol.* Vol.6(4): 1629-1638. IF: 0.230.
399. **Okoh, A. I.**, Cwala, Z. N., Ngqwala, N. P., Igbinosa, E. O., Odjadjare, E. O. and Okoh, O.O. (2012). Assessment of *Listeria* bacteria abundance and physicochemical quality of the effluents of a typical semi-urban wastewater treatment in South Africa. *Journal of Pure and Applied Microbiology*, 6(40); 1645-1652. IF: 0.230.
400. Ugbenyen AM, Mkwetshana N and **Okoh AI** (2012). Characterization of an extracellular biofloculant produced by *Cobetia* sp. OAUIFE isolated from a marine sediment. *Journal of Pure and Applied Microbiology*, 6(4): 1591-1598. IF: 0.230.
401. Igbinosa INH, Tom M and **Okoh AI** (2012). Antibioqram characteristics and associated genes of commensal *Pseudomonas* species isolated from soil and plant rhizosphere in the Eastern Cape Province. *Journal of Pure and Applied Microbiology*, 6 (4): 1541-1551. IF: 0.230.
402. Oluwapelumi Olufemi Adeyemi, Olajide Olubunmi Agbede, Olatunji Matthew Kolawole and **Anthony Okoh** (2012). Knowledge, attitude and practices of pregnant women attending university of ilorin teaching hospital with regard to Rubella. *Journal of Family and Reproductive Health*, 6(4): 153-158. IF: 2.125.
403. Dambudzo Penduka and **Anthony I. Okoh** (2012). In-Vitro Anti-Listerial Properties of Crude Methanol Extracts of *Garcinia kola* (Heckel) Seeds. *The Scientific World Journal*. doi:10.1100/2012/694828. Article ID 694828.
404. Igbinosa INH and **Anthony I. Okoh** (2012). Antibiotic susceptibility profile of *Aeromonas* species isolated from wastewater treatment plant. *The Scientific World Journal*. doi:10.1100/2012/764563. Article ID 764563.
405. Timothy Sibanda and **Anthony I. Okoh** (2012). Assessment of the incidence of enteric adenovirus species and serotypes in surface waters in the Eastern Cape Province of South Africa: Tyume River as a case study. *The Scientific World Journal*. doi:10.1100/2012/949216. Article ID 949216.
406. Isoken H, Igbinosa, Ehimario Igumbor, Farhad Aghdasi, Mvuyo Tom and **Anthony I. Okoh** (2012). Emerging *Aeromonas* species infections and their significance in public health. *The Scientific World Journal*. doi:10.1100/2012/625023. Article ID 625023.

## 2011

407. Cwala Z, Igbinosa EO and **Okoh AI** (2011). Assessment of antibiotics production potentials in four Actinomycetes isolated from aquatic environments of the Eastern Cape Province of South Africa. *Afr. J. Phar. Pharmacol.* 5(2): 118-124.

408. Etinosa O. Igbinsosa, Larry C. Obi, Mvuyo Tom and **Anthony I. Okoh** (2011). Detection of potential risk of wastewater effluents for transmission of antibiotic resistance from *Vibrio* species as a reservoir in a peri-urban community in South Africa. *International Journal of Environmental Health Research*, 11:1-13. IF: 2.849.
409. Ndubuisi-Nnaji, U.U, Adegoke, A. A, Ogbu, H. I, Ezenobi, N.O and **Okoh A.I** (2011). Effect of long-term organic fertilizer application on soil microbial dynamics. *African Journal of Biotechnology* Vol. 10(4), pp. 556-559. IF: 0.573.
410. Penduka D and **Okoh AI** (2011). *In-vitro* antagonistic activities of crude dichloromethane extracts of *Garcinia kola* (Heckel) seeds against potentially pathogenic *Vibrio* species. *J. Med. Plt. Res.* Vol. 5(10), pp. 2071-2077.
411. Etinosa O. Igbinsosa, Chikwelu L. Obi, and **Anthony I. Okoh** (2011). Seasonal abundance and distribution of *Vibrio* species in the treated effluents of wastewater treatment facilities in suburban and urban communities of Eastern Cape Province, South Africa. *The Journal of Microbiology*, 49(2): 224-232. IF: 2.845.
412. Taiwo A. Akinyele, Omobola O. Okoh, David A. Akinpelu and **Anthony I. Okoh** (2011). In-vitro Antibacterial Properties of Crude Aqueous and n-Hexane Extracts of the Husk of *Cocos nucifera*. *MOLECULES*, 16:2135-2145. IF: 3.267.
413. Sekelwa Cosa, Leonard Mabinya, Omobola Okoh, Ademola Olaniran, Kim Bernard, Shaun Deyzel, **Anthony Okoh** (2011). Biofloculant production by *Virgibacillus* sp. Rob isolated from the bottom sediment of Algoa Bay in the Eastern Cape, South Africa. *MOLECULES*, 16: 2431-2442. IF: 3.267.
414. Dambudzo Penduka, Omobola Okoh, **Anthony Okoh** (2011). In-vitro antagonistic characteristics of crude aqueous and methanolic extracts of *Garcinia kola* (Heckel) seeds against some *Vibrio* bacteria. *MOLECULES* 16, 2754-2765. IF: 3.267.
415. Osamuyimen Igbinsosa, Isoken Igbinsosa, Vincent Chigor, Olohirere Uzunuigbe, Sunday Oyedemi, Emmanuel Odjadjare, **Anthony Okoh**, Etinosa Igbinsosa (2011). Polyphenolic Contents and Antioxidant Potential of Stem Bark Extracts from *Jatropha curcas* (Linn). *International Journal of Molecular Science*, 12(5), 2958-2971. IF: 4.556.
416. Nwodo, U.U, Ngene, A. A., Iroegbu, C.U., Onyedikachi, O.A.L, Chigor, V.N. and **Okoh, A.** (2011). *In vivo* Evaluation of the Antiviral Activity of *Cajanus cajan* on Measles Virus. *Archives of Virology*, 156:1551–1557. IF: 2.261.
417. Akinpelu A. David, Awotorebo T. Olaniyi, Agunbiade O. Mayowa, Aiyegoro A. Olayinka and **Okoh I. Anthony** (2011). Anti-*Vibrio* and preliminary phytochemical characteristics of crude methanolic extracts of the leaves of *Dialium guineense* (Wild). *J. Med. Plt. Res.*, 5(11): 2398- 2404.
418. Akinyele TA, Akinpelu DA and **Okoh AI** (2011). *In-vitro* antilisterial properties of crude aqueous and n-Hexane extracts of the husk of *Cocos nucifera*. *Afr. J. Biotech.* Vol. 10(41), pp. 8117-8121. IF: 0.573.
419. Leonard Mabinya, Sekelwa Cosa, Noxolo Mkwetshana, **Anthony Okoh** (2011). *Halomonas* sp. OKOH - a marine bacterium isolated from the bottom sediment of Algoa Bay produces a polysaccharide biofloculant. *MOLECULES*, 16: 4358-4370. IF: 3.267.
420. Uchechukwu U. Nwodo, Christian U. Iroegbu, Augustine A. Ngene, Vincent N. Chigor, **Anthony I. Okoh** (2011). Effects of Fractionation and Combinatorial Evaluation of *Tamarindus indica* Fractions for Antibacterial Activity. *MOLECULES*, 16: 4818-4827. IF: 3.267.
421. Adegoke, Anthony A and **Okoh, Anthony I** (2011). The *in vitro* effect of vancomycin on multidrug resistant *Staphylococcus aureus* from hospital currency notes. *African Journal of Microbiology Research*, Vol. 5(14), pp. 1881-1887.
422. Piyo Nontembiso, Cosa Sekelwa, Mabinya V Leonard and **Okoh I Anthony** (2011). Assessment of biofloculant production by *Bacillus* sp. Gilbert, a marine bacterium isolated from the bottom sediment of Algoa Bay. *Marine Drugs*, 9: 1232-1242. IF: 4.379.



423. Olayinka Aiyegoro, Adekanmi Adewusi, Sunday Oyedemi, David Akinpelu, **Anthony Okoh** (2011). Interactions of Antibiotics and Methanolic Crude Extracts of *Azelaia africana* (Smith.) against Drug Resistance Bacterial Isolates. *Int. J. Mol. Sci.*, 12: 4477-4487. IF: 4.556.
424. Odjadjare E.E.O., Igbinosa E.O. and **Okoh A.I.** (2011) Microbial and Physicochemical quality of an urban reclaimed wastewater used for irrigation and aquaculture in South Africa. *Afr. J. Microbiol. Res.* Vol. 5(15), pp. 2179-2186.
425. Uchechukwu U. Nwodo, Augustine A. Ngene, Aruh O. Anaga, Vincent N. Chigor, Igbinosa Henrietta and **Anthony I. Okoh** (2011). Acute Toxicity and Hepatotoxicokinetic Studies of *Tamarindus indica* Extract. *Molecules* 2011, 16, 7415-7427. IF: 3.267.
426. Ntsaluba L, Agunbiade M.O, Mabinya L.V and **Okoh A.I** (2011). Studies on bioflocculant production by *Methylobacterium* sp. Obi isolated from a freshwater environment in South Africa. *Afr. J. Microb. Res.*, 5(26): 4533-4540.
427. Adegoke AA and **Okoh AI** (2011). Prevalence, antibiotic susceptibility profile and extended spectrum  $\beta$ -lactamase production among *Escherichia coli* from high vaginal swab (HVS). *African Journal of Pharmacy and Pharmacology* Vol. 5(10), pp. 1287 – 1291.
428. Uchechukwu U Nwodo, Grace E Obiyeke, Vincent N Chigor and **Anthony I Okoh** (2011). Assessment of *Tamarindus indica* extracts for antibacterial activity. *International Journal of Molecular Science*, 12: 6385-6396. IF: 4.556.
429. Penduka Dambudzo and **Okoh I Anthony** (2011). In-vitro anti-Listerial activities of crude n- hexane and aqueous extracts of *Garcinia kola* (heckel) seeds. *International Journal of Molecular Science*, 12: 6952-6965. IF: 4.556.
430. Olatunji Kolawole, Kolawole Ajayi, Albert Olayemi, **Anthony Okoh** (2011). Assessment of pollution impact on quality of segment of Asa River and its indigenous *Clarias gariepinus* Fish. *Int. J. Environ. Res. Publ. Health*, 8(11): 4332-4352. IF: 2.849.
431. **Okoh AI** and Penduka D (2011). *In-vitro* anti-bacterial activities of crude n-Hexane extracts of *Garcinia kola* (Heckel) seeds against Some *Vibrio* bacteria isolated from wastewater effluents. *Scientific Research and Essays*, 6(29): 6132-6139.

## 2010

432. Aiyegoro, Olayinka A., Afolayan, Anthony J. and **Okoh, Anthony I** (2010). Interactions of antibiotics and extracts of *Helichrysum pedunculatum* against bacteria implicated in wound infections. *Folia Microbiologica*, 55 (2): 176–180.
433. Sibanda T, Olaniran AO and **Okoh AI** (2010). In vitro antibacterial activities of crude extracts of *Garcinia kola* seeds against wound sepsis associated Staphylococcus strains. *J. Med. Plt. Res.*, 4(8): 710-716.
434. Odjadjare EEO and **Okoh AI** (2010). Prevalence and distribution of Listeria pathogens in the final effluents of a rural wastewater treatment facility in the Eastern Cape Province of South Africa. *World Journal of Microbiology and Biotechnology*, 26:297–307. IF: 2.477.
435. Emmanuel E.O. Odjadjare, Larry C. Obi and **Anthony I. Okoh** (2010). Municipal wastewater effluents as a source of Listerial Pathogens in the aquatic milieu of the Eastern Cape Province of South Africa: A concern of public health importance. *International Journal of Environmental Research and Public Health*, 7: 2376-2394. IF: 2.849.
436. Adebayo-Tayo B.C, Adegoke A.A, **Okoh, A.I** and Ajibesin K.K (2010). Rationalizing some medicinal plants used in treatment of skin diseases. *African Journal of Microbiology Research*. 4(10): 958-963.

437. **Anthony I. Okoh**, Thulani Sibanda and Siyabulela S. Gusha (2010). Inadequately Treated Wastewater as a Source of Human Enteric Viruses in the Environment. *Int. J. Environ. Res. Public Health*, 7: 2620-2637. IF: 2.849.
438. **Anthony I Okoh** and Etinosa O Igbinosa (2010): Antibiotic susceptibility profiles of some *Vibrio* strains isolated from wastewater final effluents in a rural community of the Eastern Cape Province of South Africa. *BMC Microbiology*, 10:143. IF: 2.989.
439. Olayinka A Aiyegoro and **Anthony I Okoh** (2010): Preliminary phytochemical screening and In vitro antioxidant activities of the aqueous extract of *Helichrysum longifolium* DC. *BMC Complementary and Alternative Medicine*, 10:21. IF: 3.02.
440. Timothy Sibanda, Leonard V Mabinya, Ntsikelelo Mazomba, David A Akinpelu, Kim Bernard, Ademola O Olaniran and **Anthony I Okoh** (2010). Antibiotic Producing Potentials of three Freshwater Actinomycetes Isolated from the Eastern Cape Province of South Africa. *International Journal of Molecular Sciences*, 11, 2612-2623. IF: 4.556.
441. Machín-Ramírez C, D. Morales, F. Martínez-Morales, **A. I. Okoh** & M.R. Trejo-Hernández (2010). Benzo[a]pyrene removal by axenic- and co-cultures of some bacterial and fungal strains. *International Biodeterioration and Biodegradation*, 64: 538-544. IF: 4.074.
442. Etinosa O. Igbinosa and **Anthony I. Okoh** (2010). *Vibrio fluvialis*: An Unusual Enteric Pathogen of Increasing Public Health Concern. *Int. J. Environ. Res. Public Health*, 7, 3628-3643. IF: 2.849.
443. Vincent N. Chigor, Veronica J. Umoh, Stella I. Smith, Etinosa O. Igbinosa and **Anthony I. Okoh** (2010). Multidrug resistance and plasmid patterns of *Escherichia coli* O157 and other *E. coli* isolated from diarrhoeal stools and surface waters from some selected sources in Zaria, Nigeria. *International Journal of Environmental Research and Public Health*, 7: 3831-3841. IF: 2.849.
444. Emmanuel EO Odjadjare and **Anthony I. Okoh** (2010). Physicochemical quality of an urban municipal wastewater effluent and its impact on the receiving environment. *Environ Monit Assess*, 170: 383-394. IF: 1.959.
445. Akinpelu DA, Aiyegoro OA and **Okoh AI** (2010). The *In vitro* antioxidant property of methanolic extract of *Azelia africana* (Smith.). *J. Med. Plt. Res* Vol. 4(19), pp. 2021-2027.
446. Isoken H Ogunmwonyi, Ntsikelelo Mazomba, Leonard Mabinya, Elvis Ngwenya, Ezekiel Green, David A Akinpelu, Ademola O Olaniran, Kim Bernard and **Anthony I Okoh** (2010). Studies on the culturable marine actinomycetes isolated from the Nahoon beach in the Eastern Cape Province of South Africa. *Afr. J. Microbiol. Res.* Vol. 4(21), pp. 2223 – 2230.
447. Adegoke, Anthony A.; Jacob, Steve; Tom, Mvuyo and **Okoh, Anthony I.** (2010). Studies on multiple antibiotic resistant bacterial isolated from surgical site infection. *Scientific Research and Essays* Vol. 5 (24), pp. 3876-3881.
448. Isoken H. Ogunmwonyi, Ntsikelelo Mazomba, Leonard Mabinya, Elvis Ngwenya, Ezekiel Green, David A. Akinpelu, Ademola O. Olaniran and **Anthony I. Okoh** (2010). *In Vitro* Time-Kill studies of antibacterial agents from putative marine *Streptomyces* Species Isolated from the Nahoon Beach, South Africa. *Afr. J. Pharm. Pharmacol.* Vol. 4(12): 908 – 916.

## 2009

449. Osode AN and **Okoh AI** (2009). Impact of discharged wastewater final effluent on the physicochemical qualities of a receiving watershed in a suburban community of the Eastern Cape Province. *CLEAN – Soil, Water, Air*, 37 (12), 938 – 944. IF: 1.603.
450. Etinosa O. Igbinosa, Larry C. Obi, **Anthony I. Okoh** (2009). Occurrence of potentially pathogenic vibrios in the final effluents of a wastewater treatment facility in a rural

- community of the Eastern Cape Province of South Africa. *Research in Microbiology*. 160: 531-537. IF: 5.415.
451. Ndlovu T., Chimonyo M., **Okoh A.I.**, Muchenje V., Dzama K., Dube S., Raats J.G. (2009). A comparison of nutritionally-related blood metabolites among Nguni, Bonsmara and Angus steers raised on sweetveld. *Veterinary Journal*: 179, 273-281.
452. E. O. Igbinosa; **A. I. Okoh** (2009). Impact of discharge wastewater effluents on the physico-chemical qualities of a receiving watershed in a typical rural community. *Int. J. Environ. Sci. Tech.*, 6 (2), 175-182. IF: 2.037.
453. NC Mafu, G Pironcheva and **AI Okoh** (2009): Genetic diversity and *in vitro* antibiotic susceptibility profile of *Salmonella* species isolated from domestic water and wastewater sources in the Eastern Cape Province of South Africa. *Afr J Biotech*. 8(7): 1263-1229. IF: 0.573.
454. David A. Akinpelu, Olayinka A. Aiyegoro and **Anthony I. Okoh** (2009). The bioactive potentials of two medicinal plants commonly used as folklore remedies among some tribes in West Africa. *Afr. J. Biotech*. 8(8):1660-1664. IF: 0.573.
455. Etinosa O. Igbinosa and **Anthony I. Okoh** (2009). Toxigenic *Vibrio cholerae* strains and their associated malaises. *Afr. J. Microbiol. Res*. 3(5): 200-211.
456. S. O. Oyedemi, **A. I. Okoh**, L. V. Mabinya, G. Pironcheva and A. J. Afolayan (2009). The proposed mechanism of bactericidal action of eugenol,  $\gamma$ -terpineol and g-terpinene against *Listeria monocytogenes*, *Streptococcus pyogenes*, *Proteus vulgaris* and *Escherichia coli*. *Afr J Biotech* 8(7):1280-1286. IF: 0.573.
457. Aiyegoro A Olayinka, Afolayan J Anthony, **Okoh I Anthony** (2009). Synergistic interaction of *Helichrysum pedunculatum* leaf extracts with antibiotics against wound infection associated bacteria. *Biol. Res*. 42: 327-338. IF: 3.092.
458. Aiyegoro OA, Afolayan AJ and **Okoh AI** (2009). *In Vitro* antibacterial activities of crude extracts of the leaves of *Helichrysum longifolium* in combination with selected antibiotics. *Afr. J. Pharm. Pharmacol*. Vol. 3(6). pp. 293-300.
459. David A Akinpelu, Ayobami O Aiyegoro and **Anthony I Okoh** (2009). Studies on the biocidal and cell membrane disruption potentials of extracts of the stem bark of *Azelia africana* (Smith.) *Biol. Res* 42: 339-349. IF: 3.092.

## 2008

460. Yesenia Herrera, **Anthony I. Okoh**, Laura Alvarez, Norma Robledo and María R. Trejo-Hernández (2008). Biodegradation of 2,4-dichlorophenol by a *Bacillus* consortium. *Wild J. Microbiol. Biotec*. 24(1):55-60. IF: 2.477.
461. Ncube N.S, Afolayan A.J and **Okoh A.I** (2008). Assessment techniques of antimicrobial properties of natural compounds of plant origin: Current Methods and Future Trends. *Afr. J. Biotech*. 7(12):1797-1806. IF: 0.573.
462. Aiyegoro OA, Akinpelu DA, Afolayan AJ and **Okoh AI** (2008). Antibacterial activities of crude stem bark extracts of *Distemonanthus benthamianus* Baill. *J. Biol. Sci.*, 8(2):356-361. SJR: 0.19.
463. Machín-Ramírez C., **Okoh A.I.**, Morales D., Mayolo-Deloisa K., Quintero R and Trejo-Hernández M.R. (2008). Slurry-phase biodegradation of weathered oily sludge waste. *Chemosphere*, 70: 737-744. IF: 5.778.
464. Sibanda T and **Okoh AI** (2008). *In vitro* Antibacterial Regimes of Crude Aqueous and Acetone Extract of *Garcinia kola* Seeds. *J. Biol. Sci.*, 8(1):149-154. SJR: 0.19.
465. Thulile Ndlovu, Michael Chimonyo, **Anthony I. Okoh** and Voster Muchenje (2008). A comparison of stress hormone concentrations at slaughter in Nguni, Bonsmara and Angus steers. *Afr. J. Agric. Res.*, Vol. 3 (2):096-100.

466. **Anthony I. Okoh** and Augustina N. Osode (2008). Enterotoxigenic *Escherichia coli* (ETEC): A recurring decimal in infants' and travelers' diarrhea. *Rev Environ Health*. 23(2):135- 148. IF: 2.429.
467. Sibanda T and **Okoh AI** (2008). In vitro evaluation of the interactions between acetone extracts of *Garcinia kola* seeds and some antibiotics. *Afr. J. Biotech*. 7(11):1672-1678. IF: 0.573.
468. Aiyegoro OA, Afolayan AJ and **Okoh AI** (2008). In vitro time kill assessment of crude methanol extract of *Helichrysum pedunculatum* leaves. *Afr. J. Biotech*. 7(11):1684-1688. IF: 0.573.
469. Etinosa O. Igbinosa, **Anthony I. Okoh** (2008). Emerging *vibrio* species: an unending threat to public health in developing countries. *Res. Microbiol.*, 159:495-506. IF: 3.970.
470. **Okoh AI** and Tian G (2008). Dynamics of culturable soil microbial communities during decomposition of some agroforestry species in a semi arid and arid tropical agroecozones of West Africa. *Afr. J. Biotech*. 7(20): 3693-3699. IF: 0.573.
471. OA Aiyegoro, AJ Afolayan, **AI Okoh** (2008). Studies on the *in vitro* time kill assessment of crude Acetone and Aqueous extracts of *Helichrysum pedunculatum* leaves. *Afr. J. Biotech*. (7(20): 3721-3725. IF: 0.573.
472. Akinpelu DA, Aiyegoro OA and **Okoh AI** (2008). *In vitro* antimicrobial and phytochemical properties of crude extract of stem bark of *Azelia africana* (Smith). *Afr. J. Biotech*. 7(20):3662- 3667. IF: 0.573.
473. Akinpelu DA, Adegboye MF, Adeloye OA and **Okoh AI** (2008). Biocidal activity of partially purified fractions from methanolic extract of *Garcinia kola* (Heckle) seeds on bacterial isolates. *Biol. Res.*, 41(3): 277-287. IF: 3.092.
474. Adegboye MF, Akinpelu DA and **Okoh AI** (2008). The bioactive and phytochemical properties of *Garcinia kola* (Heckel) seed extract on some pathogens. *Afr. J. Biotech*. 7(21):3934- 3938. IF: 0.573.
475. Odjajare E.E.O., Ajisebutu, S.O., Igbinosa, O.E., Aiyegoro, O.A., Trejo-Hernandez, M.R. and **Okoh, A.I.** (2008). Escravos light crude oil degrading potentials of axenic and mixed bacterial cultures. *J. Gen. Appl. Microbiol.*, 54:277-284. IF: 1.442.

## 2007

476. Trejo-Hernández M. R, Ortiz A., **Okoh A. I.**, Morales D., and Quintero R (2007). Biodegradation of heavy crude oil Maya using spent compost and sugar cane bagasse wastes. *Chemosphere* 68(5):848-855. IF: 5.778.
477. Igbinosa O. Etinosa, Ajisebutu Stella. O. and **Okoh Anthony I.** (2007). Aerobic dehalogenation activities of two petroleum degrading bacteria. *Afr. J. Biotech* Vol. 6 (7):879-901. IF: 0.573.
478. Aiyegoro AO, Akinpelu DA and **Okoh AI** (2007). *In vitro* antibacterial potentials of the stem bark of "red water tree" (*Erythrophleum suaveolens*) found growing in Southwestern Nigeria. *J. Biol. Sci.*, 7(7):1233-1238.
479. Igbinosa O Etinosa, Ajisebutu O Stella and **Okoh I Anthony** (2007). Studies on aerobic biodegradation activities of 2,4-dichlorophenoxyacetic acid by bacteria species isolated from petroleum polluted sites. *Afr. J. Biotech.*, Vol. 6 (12):1426-1431. IF: 0.573.
480. Ndlovu T., Chimonyo M., **Okoh A.I.**, Muchenje V., Dzama K., Raats J.G. (2007). Assessing the nutritional status of beef cattle: Current practices and future prospects. A Review. *Afr. J. Biotech*, Vol. 6 (24):2727-2734. IF: 0.573.
481. Guanglong Tian, M. A Badejo, **A. I. Okoh**, F. Ishida, G. O Kolawole; Y. Hayashi and F. K Salako (2007). Effects of residue quality and climate on plant residue decomposition and nutrient release along the transect from humid forest to Sahel of West Africa. *Biogeochemistry*, 86:217- 229. IF: 4.161.

482. **Anthony I. Okoh**, Emmanuel E. Odjadjare, Etinosa O. Igbinosa, Augustina N. Osode (2007). Wastewater treatment plants as a source of microbial pathogens in the receiving watershed. *Afr. J. Biotech.*, 6(25):2932-2944. IF: 0.573.
483. Aiyegoro O. A., Igbinosa O. O., Ogunmwonyi I. N., Odjadjare E. E., Igbinosa O.E. and **Okoh A. I.** (2007). Incidence of urinary tract infections (UTI) among children and adolescents in Ile-Ife, Nigeria. *Afr. J. Microbiol. Res.*, July: 013-019.
484. Sibanda T and **A. I. Okoh** (2007). The challenges of overcoming antibiotic resistance: Plant extracts as potential sources of antimicrobial and resistance modifying agents. *Afr. J. Biotech.*, 6(25):2897-2909. IF: 0.573.

## 2006

485. Akpor OB, Babalola GO and Okoh AI (2006). Culturable microbial population dynamics during decomposition of *Theobroma cacao* leaf litters in a tropical soil setting. *Journal of Biological Sciences*, 6(4):768-778.
486. Anthony I Okoh (2006). Biodegradation alternative in the cleanup of petroleum hydrocarbon pollutants. *Biotech. Mol. Biol. Rev.* Vol. 1 (2):38-50.
487. Okoh AI and Trejo-Hernandez MR (2006). Remediation of petroleum hydrocarbon polluted systems: Exploiting the bioremediation strategies. *Afr. J. Biotech.* Vol.5(25):2520-2525.

## 2005

488. Patience O. Ogbeifun, Stella O. Ajisebutu and Anthony I Okoh (2005). Intrinsic bioremediation potential of autochthonous bacteria communities of a crude oil polluted freshwater in Nigeria. *Fres. Envir. Bull.*, 14:663-667.
489. Anthony I Okoh, Mufutau K Bakare, Omobola O Okoh and Emmanuel Odjadjare (2005). The culturable microbial and chemical qualities of some water types used for drinking and domestic purposes in a typical rural setting of southwestern Nigeria. *Journal of Applied Science*, 5(6):1041-1048.
490. Bakare MK, Adewale IO, Ajayi AO, Okoh AI and OO Shonukan (2005). Regulatory mutations affecting the synthesis of cellulase in *Pseudomonas fluorescens*. *Afr. J. Biotech.*, 4 (8):838-843.
491. Akpor OB, Igbinosa OE and Okoh AI (2005). The recovery of dermatophytes from Soil. *Nig. Ann. Sci.* Vol. 6(1). Pp 23-27.
492. Akpor OB, Babalola GO and Okoh AI (2005). Litter bag studies of culturable bacteria and fungi distribution during decomposition of *Cola nitida* leaf litters. *AKDENÝZ ÜNÝVERSÝTESÝ ZÝRAAT FAKÜLTESÝ DERGÝSÝ*, 18(3):313-319.

## 2004

493. Ogbeifun PO, Ajisebutu SO and Okoh AI (2004). Species diversity of culturable crude oil degrading bacteria and physicochemical qualities of a crude oil polluted river in Nigeria". *Fres. Envir. Bull.*, 13(7):643-646.
494. Okoh AI, AO Olaniran and P Golyshin (2004). Dechlorination of 1, 2 – dichloroethane by *Pseudomonas aeruginosa* OK1 isolated from a waste dumpsite in Nigeria. *Afr. J. Biotech.*, 3 (10):508-511.

## 2003

495. Okoh AI (2003). Biodegradation of Bonny light crude oil in soil microcosm by some bacterial strains isolated from crude oil flow stations saver pits in Nigeria. *Afr. J. Biotech.*, Vol. 2(5):104-108.

496. Okoh AI, Akinloye O, Okoh OM and Oladipo AA (2003). The microbiological quality and heavy metal regimes of some dirty currency notes found in a typical Nigerian community. *Science Focus*, Vol. 4:116-119.
497. Okoh OM, Olaniran AO, Okoh AI, and Obafemi CA (2003). Antibacterial Activities of 2-Methylimidazolium Chlorochromate. *Science Focus*, Vol. 3:41-44.
498. Xavier TF, Senthilkumar S, Okoh AI and Natarajan E (2003). Inhibition of *Aspergillus flavus* (an aflatoxin producing fungus) by *Tinospora cordifolia* (Willd.) Hook. F & Thomson Leaf extracts. *Science Focus*, 5:56-59.
499. Xavier TF, Senthilkumar S, Okoh AI and Sebastianra J (2003). Antibacterial activity of *Malaxis rheedii* Sw., an ornamental orchid of Shevaroy region of Eastern Ghats, S. India. *Science Focus*, 5:82-88.

## 2002

500. Olaniran AO, Okoh AI., Ajisebutu S, Golyshin P and Babalola GO (2002). The aerobic dechlorination activities of two bacterial species isolated from a refuge dumpsite in Nigeria. *International Microbiology*, 5:21-24.
501. Okoh AI, Ajisebutu S., Babalola GO and Trejo - Hernandez MR. (2002). Biodegradation of Mexican heavy crude oil (Maya) by *Pseudomonas aeruginosa*. *Journal of Tropical Biosciences*, Vol. 2(1):12-24.
502. Okoh AI, Bakare MK. and Ajisebutu SO (2002). Biodegradation of Bonny light crude oil in soil microcosm by a bacterial consortium isolated from somewastewater in Nigeria. *Science Focus*, 1:32-37.

## 2001

503. Badejo M and Okoh AI (2001). Problems of Application of modern biotechnology in agriculture in developing countries. *J. Agric. Engr. Tech.*, 9:1-12.
504. Olaniran AO, Babalola GO, and Okoh AI (2001). Aerobic dehalogenation potentials of four bacteria species isolated from soil and sewage sludge. *Chemosphere*, 45(1):45-50. IF: 5.778.
505. Okoh AI, Ajisebutu S, Babalola GO and Trejo - Hernandez MR (2001). Potentials of *Burkholderia cepacia* strain RQ1 in the biodegradation of heavy crude oil. *International Microbiology*, 4:83-87. IF: 1.833.

## 2000

506. Okoh AI, Babalola GO and Olaniran AO (2000). Aerobic heterotrophic Bacteria and fungal communities of the Topsoil of Omo Biosphere Reserve in Southwestern Nigeria. *Biotropica*, 32(2): 80-85. IF: 2.090.
507. Okoh AI, Valencia – Morales E, Romero D, Babalola GO, Quintero R, and Trejo-Hernandez MR (2000). Potential of *Stenotrophomonas maltophilia* (GB1) in the Biodegradation of weathered heavy crude oil (Maya). *Gazz. Med. Ital. – Arch. Sci. Med.*, 159:115-119.

## 1995 – 1999

508. **Okoh AI**, Ekanade O, Olaniran AO, Anabel Ortiz and Hernandez-Trejo MR (1999). Comparison of the microbial distribution of the topsoil under different vegetation covers during dry and wet seasons in southwestern Nigeria. *Microbes and Environments*, Vol. 14(4):227-231. IF: 2.575.
509. **Okoh AI**, Badejo MA, Tian G and Nathaniel A (1999). Studies on the Bacteria, Fungi and Springtails (Collembola) of an agroforestry arboretum in Nigeria. *Pedobiologia*, 43(1):18-27. IF: 2.000.

510. Badejo MA, Dayo BYO and **Okoh OA** (1998). Potential indicators of pollution around wellheads in Nigerian coastal waters. *Mar. Env. Res.* 46(1-5):325-326. IF: 2.727.
511. Okoh AI, Shonukan O and Bamidele T (1997). Investigation of the fermenting potential of a Palmwine Yeast (*Saccharomyces* sp.) in the production of Pineapple Wine. *MBAA. Technical Quarterly* Vol. 34(3):171-173.
512. **Okoh AI**, Babalola GO and Bakare MK (1996). The microbial densities and physicochemical qualities of some crude oil flow stations saver pit effluents in the Niger Delta Area of Nigeria. *Sci. Tot. Environ.* 187 (2): 73-78. IF: 6.551.
513. Babalola GO, Adenuga AY, and **Okoh AI** (1997). The heterotropic bacterial population and some physical and chemical properties of Dodo River in the Niger Delta zone of Nigeria. *Fres. Envir. Bull.* 6:617-621.
514. Babalola GO and **Okoh AI** (1996). Assessment of *Vernonia amygdalina* as a substitute for Hop in brewing. *MBAA. Technical Quarterly.* 33(1):44-46.
515. **Okoh AI**, Babalola GO and Ilori MO (1995). Effect of Methanol extract of *Vernonia amygdalina* on malting and brewing properties of sorghum. *MBAA Technical Quarterly*, 32:11-14.

### Conference presentation

516. Aiyegoro AO, AJ Afolayan and **Okoh AI** (2007). Antimicrobial activities of extracts from stem bark of *Distemonanthus benthamianus*. Indigenous Plant Use Forum (IPUF), University of Johannesburg, South Africa, 2-5 July 2007.
517. Ncube NS, Afolayan AJ, **Okoh AI** (2007). Bactericidal regimes and synergistic potentials of extracts of the leaves of *Helichrysum pedunculatum*. Indigenous Plant Use Forum (IPUF), University of Johannesburg, South Africa, 2-5 July 2007.
518. Machin-Ramirez C, **Okoh AI** and Trejo-Hernández MR (2007). Slurry-phase biodegradation of weathered oily sludge waste International Symposium on Applied Molecular Microbiology in Oil Systems (ISMOS) University of Essex, Colchester, UK, 17-18 September 2007.
519. Sibanda T and **Okoh AI** (2007). *In vitro* antibacterial potentials of crude extracts of *Garcinia kola* seeds and their interactions with selected antibiotics. 16th Biannual Symposium of the Eastern Cape Division of the South African Society of Biochemistry and Molecular Biology, 26th October 2007, Katberg Hotel, Katberg, South Africa.
520. Aiyegoro OA, Afolayan AJ and **Okoh AI** (2008). *In vitro* time-kill assessment of crude methanol extract of *Helichrysum pedunculatum* leaves. Indigenous Plant Use Forum (IPUF) 7-10 July, 2008. The School Hall, Hoër Volksskool, Graaff-Reinet, Eastern Cape, South Africa.
521. **Anthony I. Okoh**, Emmanuel E. Odjadjare, Etinosa O. Igbinosa, Augustina N. Osode (2008). Physicochemical Qualities of Some Treated Wastewater Effluents in the Eastern Cape Province. 4th International Conference on Environmental Science and Technology 2008, July 27-31, 2008, Greenspoint Wyndham Hotel, Houston, USA.
522. Aiyegoro OA, Afolayan AJ and **Okoh AI** (2008). *In vitro* evaluation of the interactions between crude leaf extracts of *Helichrysum pedunculatum* and some antibiotics. World Conference on Medicinal and Aromatic Plants (WOCMAP IV), 9-14, November, Cape Town, South Africa.
523. E.O. Igbinosa, **A.I. Okoh** (2009). Impact of discharge wastewater final effluents on the qualities of a receiving watershed in a typical rural community of the Eastern Cape Province. International Conference and Exhibition on Water in the

- Environment (enviroWater 2009), Stellenbosch, 2-4 March 2009.
524. E.E.O. Odjadjare, **A.I. Okoh** (2009). Quality of the final effluents of wastewater treatment facility in a typical urban community of the Eastern Cape: Physicochemical regimes, Salmonella and Listeria species survival as case studies. International Conference and Exhibition on Water in the Environment (enviroWater 2009), Stellenbosch, 2-4 March 2009.
525. **Anthony I. Okoh**, Augustina N. Osode (2009). Wastewater treatment in a sub-urban community of the Eastern Cape: compliance status of final effluent in terms of physicochemical qualities and Escherichia coli prevalence. International Conference and Exhibition on Water in the Environment (enviroWater 2009), Stellenbosch, 2-4 March 2009.
526. Aiyegoro OA, Afolayan AJ and **Okoh AI** (2009). *In vitro* interactions between crude leaf extracts of *Helichrysum pedunculatum* and some antibiotics. The 50th Annual Meeting of the American Society of Pharmacognosy; June 27th-July 1st, 2009. Sheraton Waikiki Hotel; Honolulu, Hawaii, USA. **P-141**; [www.phcog.org](http://www.phcog.org)
527. Aiyegoro O. A., Afolayan A. J., **Okoh A. I.** (2009). *Helichrysum* species as a potential sources of broad spectrum antibiotics resistance modulating principles. International Symposium on HIV/AIDS, Medicinal Plants and Geophagia, 22-24 July 2009, Water Sisulu University Health Resource Centre, Mthatha, Eastern Cape, South Africa.
528. Aiyegoro O.A., Afolayan A.J., Obi C.L. and **Okoh A.I.** (2009). *In vitro* antibacterial activities of crude extracts of the leaves of *Helichrysum longifolium* in combination with selected antibiotics. Bio2Biz SA 2009 and SASM09 Conference, ICC, Durban, South Africa, 20 - 23 September 2009.
529. Igbinosa EO, Obi CL and **Okoh AI** (2009). Occurrence of potentially pathogenic vibrios in the final effluents of a wastewater treatment facility in a rural community of the Eastern Cape Province of South Africa. Bio2Biz SA 2009 and SASM 09 Conference, ICC, Durban, South Africa, 20 - 23 September 2009.
530. Odjadjare, E.E.O., Obi C.L. and **Okoh, A.I.** (2009). Prevalence and distribution of *listeria* pathogens in the final effluents of a rural wastewater treatment facility in the Eastern Cape Province. Bio2Biz SA 2009 and SASM 09 Conference, ICC, Durban, South Africa, 20 - 23 September 2009.
531. Ogunmwonyi IH, Giyose N, Ngwenya E, Mabinya L, Green E and **Okoh AI** (2009). Culturable marine actinomycetes morphotypes from rock surfaces and waters of the Nahoon beach in South Africa. Bio2Biz SA 2009 and SASM 09 Conference, ICC, Durban, South Africa, 20 - 23 September 2009.
532. Giyose N, Ogunmwonyi IH, Ngwenya E, Mazomba N, Mabinya L and **Okoh AI** (2009). Evaluation of proteases produced by *Erwinia chrysanthemi* for the deproteinization of crustacean waste in a chitin production process. Bio2Biz SA 2009 and SASM 09 Conference, ICC, Durban, South Africa, 20 - 23 September 2009.
533. Emmanuel Odjadjare, Chikwelu Obi and Anthony Okoh (2010). *Listeria* abundance and physicochemical quality of a reclaimed wastewater used for irrigation and aquaculture in South Africa. WISA 2010 Biennial conference, ICC, Durban, South Africa, 18-23 April 2010.
534. Etinosa O. Igbinosa and Anthony I. Okoh (2010). Seasonal abundance and distribution of total vibrio species in final effluents of wastewater treatment facilities



- in typical sub-urban and urban communities of the Eastern Cape province, South Africa. WISA 2010 Biennial conference, ICC, Durban, South Africa, 18-23 April 2010.
535. AO Aiyegoro and AI Okoh (2010). Helichrysum species as a potential source of broad spectrum antibiotics resistance modulating compounds. Oral presentation at the International Conference on Applied Biotechnology (ICAB 2010), Khartoum, Sudan, October 25-27, 2010.
  536. B. M. Marshall, S. Levy, D. Ochieng, D. Gur, A. Nanuashvili, Y.S. Kim, D.K. Byarugaba, **A. Okoh**, A.T. Vo, S.K. Kashyap, H. Endtz, A. Sosa (2010). Surveillance of antibiotic resistance determinants in commensal and environmental bacteria from international sources. Poster from ISRAR presented at ICAAC 2010, Boston, USA.
  537. T.A. Akinyele, D.A. Akinpelu, L. Buwa, B. Mayekiso, **A.I. Okoh** (2011). *In vitro* antilisterial activities of the husk of *Cocos nucifera*. 4TH Congress of European Microbiologists Geneva, Switzerland, June 26-30, 2011.
  538. D. Penduka, B. Mayekiso, L. Buwa, **A.I. Okoh** (2011). In-vitro antagonistic properties of crude extracts of *Garcinia kola* (Heckel) Seeds against some vibrio bacteria. 4TH Congress of European Microbiologists Geneva, Switzerland, June 26-30, 2011.
  539. S. Cosa, L.V. Mabinya, **A.I. Okoh** (2011). Biofloculant production by three marine bacteria isolated from bottom sediment of Algoa Bay in South Africa. 4TH Congress of European Microbiologists Geneva, Switzerland, June 26-30, 2011.
  540. Timothy Sibanda, Siziwe Koba, Anthony. I Okoh (2011). Assessment of the impact of human settlement on the microbiological and physicochemical qualities of Tyume River in Amatola District, Eastern Cape Province. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
  541. Ntokozo Nomcebo Mazibuko and Anthony. I Okoh (2011). Assessment of the Microbiological and Physicochemical Qualities of the Final Effluents of an Urban Wastewater Treatment Plant in the Eastern Cape Province. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
  542. Vincent Nnamdigadi Chigor and Anthony I Okoh (2011). Semi-nested reverse transcriptase- polymerase chain reaction (RT-PCR) detection of hepatitis A virus in Buffalo River, Eastern Cape Province, South Africa. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
  543. Dambudzo Penduka, Lisa Buwa, Buyisile Mayekiso and Anthony. I Okoh (2011). The In-vitro Antibacterial Activities of Crude N- hexane and Aqueous Extracts of *Garcinia kola* (Heckel) Seeds Against Potentially Pathogenic *Listeria* Species. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
  544. Anthony Ayodeji Adegoke, Oluwatosin Adeyemi, Oludotun Soyega and Anthony Ifeanyi Okoh (2011). Assessment of Antibiotic Resistance genes among Commensal *Staphylococcus* spp. and *Stenotrophomonas maltophilia* from Nkonkobe Municipality, South Africa. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
  545. Isoken Ogunmwonyi, Uchechukwu Nwodo and Anthony Okoh (2011). Eco-Distribution of Antibiotic Resistant Genes in *Pseudomonas* species. 17<sup>th</sup> Biennial

- Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
546. Uchekukwu Nwodo, Ezekiel Green, Leonard Mabinya, Luvuyo Ntsaluba, Anthony Ugbenyen, Sekelwa Cosa and Anthony Okoh (2011). Studies on biofloculant production by *Streptomyces* sp. Gansen, a Freshwater Actinobacteria isolated from Tyume River. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
547. Sekelwa Cosa, Leonard Mabinya, Luvuyo Ntsaluba, Anthony Ugbenyen, Uchekukwu Nwodo and Anthony Okoh (2011). Assessment Of Biofloculant Production Of Three Bacteria Belonging To The Genera Halomonas, Bacillus And Methylobacterium Isolated From The Aquatic Environment Of The Eastern Cape. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
548. Kolawole Matthew, Adesoye Ayodele, Adebayo Joseph, Mazomba N, Okoh Anthony (2011). Haematological evaluations of the antimalarial activity of *Bridelia ferruginea* benth bark. 17<sup>th</sup> Biennial Conference of the South African Society of Microbiology (SASM 2011 Congress), Cape Town from 6 to 9 November 2011.
549. Okoh AI, Mabinya LV, Cosa S, Agunbiade MO and Bakare MK (2011). Biofloculant production by some bacteria species isolated from marine and freshwater environment in the Eastern Cape Province, South Africa. Biotechnology Society of Nigeria Congress, 21-26, Joseph Ayo Babalola University, Ikeji-Arakeji, Nigeria.
550. Etinosa O. Igbinsosa; Emmanuel Odjadjare; Augustina Osode and Anthony I. Okoh (2011). Consequences of inadequately treated wastewater: *Vibrio* pathogens in discharged effluents in the Eastern Cape Province as a case study. Biotechnology Society of Nigeria Congress, 21-26, Joseph Ayo Babalola University, Ikeji-Arakeji, Nigeria.
551. Gusha SS and Okoh AI (2012). Microbial Water Qualities of the Final Effluents of two Wastewater Treatment Facilities in the Eastern Cape Province. Water Institute of Southern Africa (WISA) Biennial Conference and Exhibition 2012, ICC, Cape Town, South Africa, 6-10 May 2012.
552. Sibanda T, Stuurman A, Koba S and A.I Okoh (2012). Assessment of the Bacteriological and Physicochemical qualities of Tyume River in Amatola District, Eastern Cape Province. Water Institute of Southern Africa (WISA) Biennial Conference and Exhibition 2012, ICC, Cape Town, South Africa, 6-10 May 2012.
553. Mazibuko N. N. and A.I Okoh (2012). Assessment of the Microbiological and Physicochemical Qualities of the Final Effluents of an Urban Wastewater Treatment Plant in the Eastern Cape Province. Water Institute of Southern Africa (WISA) Biennial Conference and Exhibition 2012, ICC, Cape Town, South Africa, 6-10 May 2012.
554. Vincent N. Chigor, Onele Gcilitshana and Anthony I. Okoh (2012). Studies on the Water Quality of the Buffalo River Catchment in the Eastern Cape Province of South Africa. Water Institute of Southern Africa (WISA) Biennial Conference and Exhibition 2012, ICC, Cape Town, South Africa, 6-10 May 2012.
555. Isoken H. Ogunmwoyi and Anthony I. Okoh (2012). Antibioqram characteristics and resistance genes cluster of commensal *Pseudomonas* species isolated from soil and plant rhizosphere in the Eastern Cape Province, South Africa. TWAS/BioVision Alexandria 2012 International Biennial Conference (21-25 April 2012), Alexandria, Egypt.
556. Sibanda T and Okoh AI (2012). Evaluation of quality indices of Tyume River

located in Amathole district, Eastern Cape Province of South Africa. International Conference on Fresh Water Governance for Sustainable Development, 5<sup>th</sup> to 7<sup>th</sup> November 2012 at the Champagne Sports Resort in the central Drakensberg, South Africa.

557. Chigor VN, Aghdasi F and Okoh AI (2012). Quantitative detection and risk assessment of Hepatitis A virus in Buffalo River in the Eastern Cape Province of South Africa. International Conference on Fresh Water Governance for Sustainable Development, 5<sup>th</sup> to 7<sup>th</sup> November 2012 at the Champagne Sports Resort in the central Drakensberg, South Africa.
558. Ugbenyen AM, Okaiyeto K and Okoh AI (2012). Flocculating Properties and Characteristics of bioflocculants produced by three marine bacteria belonging to the genera *Cobetia* and *Bacillus* isolated from Algoa Bay in the Eastern Cape Province of South Africa. 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.
559. Luvuyo Ntsaluba, Leonard V. Mabinya, Sekelwa Cosa<sup>a</sup>, Anthony M. Ugbenyen, Kunle Okaiyeto and Anthony I. Okoh (2012). Characterization of bioflocculants produced by freshwater *Actinobacterium* sp. *Mayor* and *Methylobacterium* sp. *Obi* . 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.
560. Isoken H. Ogunmwonyi, Vincent N Chigor, Unathi Badela and Anthony I. Okoh (2012). Antibiotic susceptibility profile and incidence of virulence genes in *Aeromonas* species isolated from wastewater treatment plant. 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.
561. Vincent N. Chigor, Onele Gcilitshana, Martins A. Adefisoye and Anthony I. Okoh (2012). Assessment of the Water Quality and Real-time Detection of Enteric Viruses in the Buffalo River in the Eastern Cape Province of South Africa. 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.
562. Sibanda, Timothy, Badela, Unathi.,Sethi, Zukiswa and A.I. Okoh (2012). Evaluation of river water quality by assessing the physicochemical and microbiological qualities of Tyume river in Amathole district in the eastern Cape Province of South Africa. 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.
563. Leonard V. Mabinya, Uchechukwu U. Nwodo and Anthony I. Okoh (2012). Bioflocculant production by bacterial consortium and nutrient optimization by surface response methodology. 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.
564. Uchechukwu U. Nwodo, Leonard V. Mabinya, Osuolale O. Olayinka, Sinazo N. Mazwi, Zukiswa Seti and Anthony I. Okoh (2012). Production and Characterization of Bioflocculants from Actinobacteria Species Isolated from Tyume River. 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.
565. Penduka D and Okoh AI (2012). Antibacterial activities of the crude

dichloromethane extract of *Garcinia kola* (Heckle) seeds against some *Listeria* species. 5<sup>th</sup> WSU International Research Conference (5<sup>th</sup> WSU-IRC) to be held at the East London International Convention Centre, East London, Eastern Cape Province, South Africa from 22 to 24 August 2012.

566. Chigor, V.N. and Okoh, A.I. (2013). Assessment of human health risks from adenoviruses, hepatitis A virus, rotaviruses and enteroviruses in the Buffalo River and three source water dams in the Eastern Cape Province, South Africa. *113th General Meeting of the American Society for Microbiology (ASM2013)* held at Colorado Convention Center, Denver, CO, United States of America; May 18-21, 2013. *Final Program*, pg. 151.
567. Nwodo, U.U. Green, E., Mabinya, L.V., Obi L and Okoh, A.I. (2013). Bioflocculant Production by *Streptomyces* and *Cellulomonas* species consortium and Media Optimization via Surface Response Model. 4<sup>th</sup> Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
568. Okaiyeto Kunle, Sekelwa Cosa, Uchechukwu Nwodo, Anthony Ugbenyen, Leonard V. Mabinya, Anthony I. Okoh. (2013). Characterization of Bioflocculant Produced by a Consortium of *Halomonas* sp. Okoh and *Micrococcus* sp. Leo. 4<sup>th</sup> Municipal Water and Quality Conference, 7- 11 July, Sun City, South Africa.
569. Mazwi S.N, Green E and Okoh AI. (2013). Evaluation of Some wastewater treatment Facilities in Chris Hani and Amathole district Municipality as Source of enteropathogenic *E. coli* in the Environment. 4<sup>th</sup> Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
570. Badela AU, Green E, Ngwenya E, Mazomba N and Okoh AI. (2013). Prevalence of *Vibrio* species in the final effluents of three wastewater treatment facilities in the Buffalo City Local Municipality of the Eastern Cape Province, South Africa. 4<sup>th</sup> Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
571. Osulale O. Olayinka and Anthony I. Okoh. (2013). Incidences of *Escherichia coli* and physicochemical qualities of the final effluents of wastewater treatment plant in a peri-urban community in Buffalo City Local municipality. 4<sup>th</sup> Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
572. Adefisoye MA, Aghdasi F, Green E and Okoh AI (2013). Assessment of the Prevalence of Faecal Coliforms and *Escherichia coli* O157:H7 in the Final Effluents of two Wastewater Treatment Plants in Amathole District Municipality. 4<sup>th</sup> Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
573. Kulati T.C, Manene N, Okoh O.O and Okoh A.I (2013). Evaluation of the Physicochemical Qualities and Heavy Metals Levels of the Final Effluents of Some Wastewater Treatment Plants in the Eastern Cape. 4<sup>th</sup> Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
574. Nongogo V, Green E, Sibanda Tim, Obi L and Okoh A.I (2013). Evaluation of final effluents of some wastewater treatment plants as source of *Vibrio* pathogens in the aquatic environment of the Eastern Cape Province: Amathole and Chris Hani district municipality as case study. 4<sup>th</sup> Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
575. Osulale Olayinka and Okoh Anthony (2013). Prevalence of enterohemorrhagic *Escherichia coli* O157:H7 in the final effluent of a wastewater treatment plant in the Eastern Cape, South Africa. SGM Autumn Conference 2013, 2-4 September at the University of Sussex, UK.
576. Titilawo O.Y, C.L Obi and A.I. Okoh (2013). Molecular detection of *Escherichia coli* pathotypes from selected Rivers in Osun State, South Western Nigeria. 14th WaterNet/WARFSA/GWP-SA Symposium 2013: Transboundary

- Water Cooperation: Building Partnerships; 30th October -1st November 2013, Dar es salaam, Tanzania.
577. S.S. Gusha, E.G. Ngwenya and Al Okoh (2013). Quality indices of the final effluents of two wastewater treatment plants in Nkonkobe local municipality of the Eastern Cape Province, South Africa. 14th WaterNet/WARFSA/GWP-SA Symposium 2013: Transboundary Water Cooperation: Building Partnerships; 30th October -1st November 2013, Dar es salaam, Tanzania.
  578. Nwodo UU and Okoh AI (2013). Characterization and Flocculation Properties of Biopolymeric Flocculant (Glycosaminglycan) Produced by *Cellulomonas* sp. Okoh. 5<sup>th</sup> Congress of European Microbiologists scheduled to take place in Leipzig, Germany, July 21-25, 2013.
  579. Gcilitshana O, Zhou L and Okoh A.I (2013). Assessment of physicochemical and microbiological qualities of wastewater final effluents: Komga and Reeston wastewater treatment plants as case studies. 3rd regional conference of Southern African Young Water Professionals (YWP), 16-18 July 2011 at the University of Stellenbosch Konservatorium, Western Cape, South Africa.
  580. O.O Osuolale, N.G. Ngwenya and A.I Okoh (2013). Incidences of *Vibrio* spp. and physicochemical qualities of the final effluents of wastewater treatment plant in a peri-urban community in Buffalo City Local municipality. 14th WaterNet/WARFSA/GWP-SA Symposium 2013: Transboundary Water Cooperation: Building Partnerships; 30th October -1st November 2013, Dar es salaam, Tanzania.
  581. Okaiyeto K, U. U. Nwodo, L. V. Mabinya, C.L. Obi, A. I. Okoh (2013). Production and characterization of the bioflocculant produced by *Micrococcus* sp. Leo. 14th WaterNet/WARFSA/GWP-SA Symposium 2013: Transboundary Water Cooperation: Building Partnerships; 30th October -1st November 2013, Dar es salaam, Tanzania.
  582. M.A. Adefisoye; C.L. Obi and A.I. Okoh (2013). Evaluation of performance indices of two wastewater treatment facilities in Amathole District Municipality of South Africa. 14th WaterNet/WARFSA/GWP-SA Symposium 2013: Transboundary Water Cooperation: Building Partnerships; 30th October -1st November 2013, Dar es salaam, Tanzania.
  583. O. Gcilitshana, L. Zhou, F. Aghdasi and A.I. Okoh (2013). Quality indices of final effluents of two sub-urban-based wastewater treatment plants in Amathole municipality, Eastern Cape. 14th WaterNet/WARFSA/GWP-SA Symposium 2013: Transboundary Water Cooperation: Building Partnerships; 30th October -1st November 2013, Dar es salaam, Tanzania.
  584. Mabinya LV, Nwodo UU and Okoh AI (2013). Optimization of Bioflocculant Production by Mixed Culture Fermentation of two bacteria isolates belong to the *Methylobacterium* and *Actinobacterium* genera. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  585. Nontongana N., Ntloko P., and Okoh AI (2013). Assessment of the microbial quality of the Kat River and Fort Beaufort Abstraction water and the prevalence of *Escherichia coli* pathotypes isolated from these surface waters. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  586. Gcilitshana O., Zhou L. And Okoh AI (2013). Assessment of the physicochemical and microbiological qualities of the wastewater treatment plants from the Eastern Cape, South Africa. The 18th Biennial South African Society for

- Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
587. Nongogo V., Sibanda T. And Okoh AI (2013). Prevalence and identification of *Vibrio* pathogens from final effluents of selected wastewater treatment plants: Amathole and Chris Hani District Municipality as a case study. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  588. Titilawo OY, Obi CL and Okoh AI (2013). Occurrence of virulence gene signatures associated with diarrhoeagenic pathovars in *Escherichia coli* isolates from surface water in Osun State: Nigeria. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  589. Nompunga T, Makapela B, Nwodo UU, Sibanda T, Ngwenya E, Okoh AI (2013). Evaluating the physicochemical qualities and heavy metal levels of an abstraction surface water used as a source of raw water for the water treatment works in Fort Beaufort. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  590. Fatokum EN, Yakubu SE, Tatau ED, Obi L and Okoh AI (2013). Prevalence and environmental risk factors for *Helicobacter pylori* infection in patients with peptic ulcer and gastritis in Kadima State: North Western Nigeria. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  591. Nwodo UU, Mabinya LV, Obi CL and Okoh AI (2013). Bioflocculant Production by *Brachy bacterium* sp. and *Cellulomonas* sp. Consortium and Media Optimization through Surface Response Model. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  592. Okaiyeto Kunle, Uchechukwu U. Nwodo, Leonard V. Mabinya and Anthony I. Okoh (2013). Characterization of a bioflocculant produced by *Micrococcus* sp. Leo isolated from sediment of Algoa Bay in Eastern Cape Province. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  593. Leonard V. Mabinya, Luvuyo Ntsaluba, Uchechukwu U. Nwodo, Aghdasi, F and Anthony I. Okoh (2013). Optimization of Bioflocculant Production by Mixed Culture Fermentation of two bacteria isolates belongin to the *Methylobacterium* and *Actinobacterium* genera. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  594. Ntozonke N., Papiyana AT, Ndaliso N., Nwodo UU, Obi CL and Okoh AI (2013). Assessment of Toxicity and Antioxidant Properties of an extracellular polymeric substance Produced by *Streptomyces* sp. Gansen. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  595. Papiyana AT, Ndaliso N, Ntozonke N, Nwodo UU, Obi CL and Okoh AI (2013). Lethality and antioxidant properties of exopolymeric substances produced by *Brachy bacterium* sp. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  596. Ndaliso N, Ntsangani N, Nwodo UU, Ngwenya E, Obi CL, Okoh AI (2013). *In vitro* Antioxidant Properties and Bioactivity Assay of Exo-Biopolymer Produced by *Cellulomonas* sp. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
  597. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya, Anthony. I. Okoh. (2014). Evaluation of flocculating efficiency and physicochemical properties of

- a bioflocculant produced by *Halomonas* sp. Okoh: A health implication in pregnant women. Gender, water and development – the untapped connection. Global Water Conference to be held at ICC East London, South Africa, 4-7 November 2014.
598. Titilawo Yinka, Obi Larry and Okoh Anthony (2014). Mainstreaming Gender in the Occurrence of Virulence Gene Signatures Associated with Diarrhoeagenic Pathovars in *Escherichia coli* Isolates from Surface Water in Osun State, Nigeria. Why and How? A poster presented at the Global Water Conference on Water, Gender and Development to be held between 4-7 November 2014., 2014 at the International Conference Center, East London.
599. Osulale Olayinka, Timothy Sibanda and Okoh Anthony (2014). Public health implication of the occurrence of rotavirus in the final effluents of a wastewater treatment plant located in the Eastern Cape Province. A poster presented at the Global Water Conference on Water, Gender and Development to be held on 4-7 November 2014, 2014 at the International Conference Center, East London.
600. Nontongana N, Sibanda T and Okoh A.I (2014).. Prevalence and antibiogram profiling of *Escherichia coli* pathotypes isolated from the Kat River and Fort Beaufort abstraction water. A poster presented at the Global Water Conference on Water, Gender and Development to be held on 4-7 November 2014 at the International Conference Center, East London.
601. MA Adefisoye and AI Okoh (2014). Gender and Socioeconomic implications of polluted water sources: A Case Study of the Performance Indices of Two Wastewater Treatment Facilities in Amathole District Municipality of South Africa. A poster presented at the Global Water Conference on Water, Gender and Development to be held on 4-7 November 2014., 2014 at the International Conference Center, East London.
602. Nongogo V, Sibanda T, and Okoh AI (2014). Antibiogram profiles of *Vibrio* species isolated from wastewater treatment plants in Amathole and Chris Hani District Municipality. A poster presented at the Global Water Conference on Water, Gender and Development to be held on 4-7 November 2014.at the International Conference Center, East London.
603. Osulale Olayinka and Okoh Anthony (2014). Quantitative Detection of Human Adenoviruses in Two Wastewater Treatment Plant Effluent in Amathole District Municipality, Eastern Cape, South Africa. International Union of Microbiological Societies (IUMS 2014), July 27 to August 1 2014, Montreal, Canada.
604. Yinka Titilawo, Larry Obi and Anthony Okoh (2014). *In vitro* Antibiogram of *Escherichia coli* Isolates from Surface Water. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
605. Gclitshana O., Zhou L., Aghdasi F. and Okoh A.I. (2014). Evaluation of urban-based and rural- based wastewater treatment plants as source of pathogens to the receiving waterbodies. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
606. T. Sibanda, C.L. Obi and A.I. Okoh (2014). Evaluation of microbiological qualities of Tyume River located in Amathole district, Eastern Cape Province, South Africa. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
607. O.O. Osulale and A.I. Okoh (2014). Incidence of *E. coli* O157:H7 and physicochemical qualities of the final effluents of wastewater treatment plants in

- Buffalo City Local Municipality. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
608. MA Adefisoye and AI Okoh (2014). An Assessment of the Performance Indices of Two Wastewater Treatment Facilities in Amahlathi Local Municipality of the Eastern Cape Province, South Africa. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
609. Nwodo, U.U. Green, E., Mabinya, L.V., Obi L and Okoh, A.I. (2014). Characterization of an Exopolymeric Flocculant Produced by a *Brachy bacterium* sp. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
610. Nongogo V, Sibanda T and Okoh A.I. Prevalence, identification and characterisation of *Vibrio* pathogens from final effluents of selected wastewater treatment plants in the Eastern Cape: Amathole and Chirs Hani District Municipality as a case study. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
611. Okaiyeto K, Nwodo UU, Mabinya LV, Obi CL and Okoh AI (2014). Production and characterization of bioflocculant produced by *Micrococcus* sp. Leo. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
612. Okoh A.I and Sibanda T (2014). Evaluation of Microbiological Qualities of Tyume River Located in Amatole District, Eastern Cape Province, South Africa. Presented at the Pittcon Conference 2014; held March 2-6, 2014, in McCormick Place, Chicago, Illinois, USA.
613. Anthony I Okoh (2014). An assessment of the compliance statuses of fourteen wastewater treatment plants in the Eastern Cape Province of South Africa. Society for Experimental Biology Conferenced (SEB2014), University of Manchester, Manchester, UK.
614. Nolwazi L. Bhembe, Anthony I. Okoh, Roland N. Ndip, Ezekiel Green (2014). Differentiation of *Mycobacterium tuberculosis* complex (MTBC) DNA using Region of differences (RDs). Presented at the University of Fort Hare Postgraduate conference held 13<sup>th</sup> October 2014, Alice campus.
615. Nontongana N, Sibanda T, Ngwenya E and Okoh A.I (2014). Prevalence and antimicrobial profiling of *Escherichia coli* pathotypes isolated from the Kat River and Fort Beaufort abstraction water. Presented at the University of Fort Hare Postgraduate conference held 13<sup>th</sup> October 2014, Alice campus.
616. Okaiyeto K, Uchechukwu U. Nwodo, Leonard V Mabinya, Anthony I. Okoh (2014). Characterization and flocculating efficiency of a biopolymer produced by consortium of *Halomonas* sp. Okoh and *Micrococcus* sp. Leo. Presented at the University of Fort Hare Postgraduate conference held 13<sup>th</sup> October 2014, Alice campus.
617. Adefisoye M.A and Okoh A.I (2014). Evaluation of the occurrence of faecal coliforms and *Escherichia coli* 0157:H7 in the Discharged final effluents of two wastewater treatment plants located in Amahlathi Local Municipality. Presented at the University of Fort Hare Postgraduate conference held 13<sup>th</sup> October 2014, Alice campus.
618. Fatokun E.N and Okoh A.I (2014). Evaluation of marine bacteria isolated from Nahoon Beach Eastern Cape Province for lignocelluloses degradation. Presented at the University of Fort Hare Postgraduate conference held 13<sup>th</sup> October 2014, Alice campus.



619. Igbinsosa IH and Okoh AI (2014). Antibiotic susceptibility profile and putative virulence genes in *Aeromonas* species isolated from pig faecal samples. UNIPATH 2014 conference, CSIR ICC Pretoria from 19th - 21st September 2014.
620. Adeyemi OO, Nwodo UU, Arinze AS and Okoh AI (2014). Comparative *in-vitro* activities of trimethoprim-sulfamethoxazole and the new fluoroquinolones against confirmed extended spectrum  $\beta$ -Lactamase producing *Stenotrophomonas maltophilia* recovered from the Eastern Cape Province, South Africa. 2nd International Congress on Bacteriology and Infectious Diseases” during November 17-19, 2014 Chicago, USA.
621. Nwodo UU, Okoh AI and Okoli AS (2014). Understanding the mechanisms underlying bacterial bio-flocculant production. 2nd International Congress on Bacteriology and Infectious Diseases” during November 17-19, 2014 Chicago, USA.
622. Mabinya LV, Ntsaluba L, Nwodo UU, Obi CL and Okoh AI (2014). Characterization of Bioflocculant Produced by *Actinobacterium* sp. Mayor. 2nd International Congress on Bacteriology and Infectious Diseases” during November 17-19, 2014 Chicago, USA.
623. Koba S, Mkwetshana N and Okoh AI (2015). Prevalence and antibiogram profiling of *Escherichia coli* pathotypes recovered from Tyume river in the Eastern Cape Province of South Africa. 6<sup>th</sup> Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
624. Nolwazi L. Bhembe, Nwodo U. Uchechukwu, Govender Sharlene, Cindy Hayes, Roland N. Ndip, Anthony I. Okoh and Ezekiel Green (2015). Molecular detection and characterization of resistant genes in *Mycobacterium tuberculosis* complex from DNA isolated from tuberculosis patients in the Eastern Cape Province South Africa. 6<sup>th</sup> Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
625. Nongogo V, Sibanda T and Okoh A.I. (2015). Antimicrobial and virulence factors of *V. parahaemolyticus* isolated from the final effluents of wastewater treatment plants. 6<sup>th</sup> Congress of European Microbiologists, Maastricht, Netherlands, June 7-11, 2015.
626. Mabinya LV, Nstaluba L, Nwodo UU and Okoh AI (2015). Characterization of a thermo-stable bioflocculant produced by *Methylobacterium* sp. 6<sup>th</sup> Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
627. C. Iwu, B. Iweriebor, L. Obi and A. Okoh (2015). Prevalence and antibiogram of some swine associated Shiga toxin producing *Escherichia coli* serogroups in the Nkonkobe Municipality, Eastern Cape Province, South Africa. 115th General Meeting of American Society for Microbiology, New Orleans, Louisiana, May 30-June 2, 2015.
628. Nwodo, UU, Udem CS, Mabinya, LV and Okoh, AI (2015). Bioflocculant production by actinobacteria consortia and media optimization through response surface model. 6<sup>th</sup> Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
629. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya, Arinze S. Okoli and Anthony I. Okoh (2015). Characterization and flocculating efficiency of a bioflocculant (MBF-UFH) produced by *Bacillus* sp. an alternative to hazardous chemical flocculants used in water treatment. VI International Conference on Environmental, Industrial and Applied Microbiology – BioMicroWorld 2015 (Barcelona-Spain, 28-30 October 2015).
630. Titilawo OY, Adeniji AO and Okoh Anthony (2015). Study of Heavy Metal

Pollution in Some Selected Rivers in South-Western Nigeria. 4th YWP-ZA Biennial Conference and 1st Africa-wide YWP Conference, 16-18 November 2015 at the CSIR International Convention Centre in Pretoria, South Africa.

631. Titilawo Yinka, Obi Larry and Okoh Anthony (2015). Multiple antibiotic resistance indexing of *Escherichia coli* to identify high-risk sources of faecal contamination of water. 4th YWP-ZA Biennial Conference and 1st Africa-wide YWP Conference, 16-18 November 2015 at the CSIR International Convention Centre in Pretoria, South Africa.
632. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya, Arinze S. Okoli and Anthony I. Okoh (2015): Investigation of flocculating efficiency and characterization of biopolymer (MBF- UFH) produced by *Bacillus* sp. AEMREG7. 4<sup>th</sup> YWP-ZA Biennial and 1<sup>st</sup> African YWP Conference, 16-18 November, 2015, Pretoria, South Africa.
633. Chinwe Juliana Iwu, Benson Chuks Iweriebor, Larry Chikwelu Obi, Albertus Kotze Basson and Anthony Ifeanyi Okoh (2015). Prevalence and antimicrobial susceptibility of *Salmonella* species isolated from commercially raised swine in the Nkonkobe Municipality, Eastern Cape Province South Africa. Academy of Science of South Africa (ASSAf) for the Young Scientists conference. 16-18 September 2015, Birchwood Hotel and OR Tambo Conference Centre, South Africa. **(Best Poster award)**.
634. Olagoke Adeniji, Yinka Titilawo, Omobola Okoh and Anthony Okoh (2015). Organoleptic properties and heavy metals pollution of aquatic environments of Osun State, Southwest Nigeria. 42nd National Convention of the South African Chemical Institute that will be taking place at the Southern Sun Elangeni Hotel from 29 November – 4th December 2015.
635. Anthony I Okoh and Timothy Sibanda (2015). Quality indices of Tyhume River, an important freshwater resource in the Eastern Cape Province. An oral presentation at the Research day Conference of the University of Fort Hare, Alice, 13 October 2015.
636. Titilawo OY, Obi CL and Okoh AI (2016). Prevalence of fluoroquinolones' susceptibilities and bactrim' resistances among *Escherichia coli* isolates of surface water origin. WISA 2016 Biennial conference ICC, Durban from 15th - 19th May 2016.
637. Adesiyan I.M, Bisi-Johnson M.A, Okoh A.I (2016). Antimicrobial susceptibility profile of *Plesiomonas shigelloides* recovered from some rivers in Southwestern Nigeria: implication for public health." A paper accepted for presentation in session S17 Environmental and Applied Microbiology Forum of the Microbiology Society Annual Conference, 21-24 March at the Arena and Convention Centre, Liverpool, UK.
638. Okaiyeto K, Okoli AS, Nwodo UU, Mabinya LV, Okoh AI (2016) Assessment of flocculating activity of a bioflocculant by a *Bacillus* sp. isolated from marine environment. A paper presented at the University of Fort Hare Centenary Conference held on the 3rd-6th July at the University of Fort Hare Alice campus, South Africa.
639. Sunday O. Okoh, Benson C. Iweriebor, Anthony I. Okoh. Bioactive constituents, antibacterial and antiradical properties of the volatile oils of *Searsia chirindensis* (Baker f.) Moffett, comb. University of Fort Hare Centenary held on 1st -6th July, 2016 at the University Sport Complex, Alice, South Africa.
640. Abioye, O.E., Akinpelu, D.A., Okoh, A.I. (2016). Synergistic effects of n-hexane fraction of *Parkia biglobosa* (Jacq.) bark extract and selected antibiotics on bacterial isolates. A poster presentation at the University of Fort Hare Centenary Conference. Date of presentation: 5th July, 2016.
641. Fadare, T. O., Oluduro, A. O., Okoh, A. I. (2016). Microbiological assessment of air in some selected saw mill and furniture factory environments in Osun State, Southwestern Nigeria. Paper presented at the University of Fort Hare centenary conference: Transformation through Higher Education and Leadership, University of Fort Hare South Africa. 1st-6th July.
642. Owoseni Mojisola and Okoh, Anthony (2016). Chlorine disinfectant resistance in *Vibrio* species isolated from selected wastewater treatment plants in the Eastern Cape Province. Paper presented at the University of Fort Hare centenary conference: Transformation through Higher Education and Leadership, University of Fort Hare South Africa. 1st-6th July.
643. Adeniji AO, Okoh OO and Okoh AI (2016). Petroleum hydrocarbon profile of water and sediment samples of Buffalo Estuary in the Eastern Cape Province, South Africa, University of Fort Hare Centenary held on 1st -6th July, 2016.
644. Anthony Ifeanyi Okoh and Martins Ajibade Adefisoye (2016). Bacteriological, virological and physicochemical qualities of two typical wastewater treatment facilities in the Eastern Cape Province. A conference paper presented at the Fort Hare Centenary Conference, held at the

645. Osunla, C. A., Adejoro, D. O., Bello, A and Okoh, A. I (2016). Physicochemical and microbiological qualities of water and soil samples from groundnut oil producing industry. University of Fort Hare Centenary Conference, 1st to 6th, July 2016. Paper Presented on 3rd of July: (Poster).
646. Etinosa O. Igbinosa and Anthony I. Okoh (2016). Consequences of inadequately treated wastewater: *Vibrio* pathogens as a case study. PACN Congress 2016 - Sustainable Water Resources for Africa, 30/11/2016 to 02/12/2016, Nairobi, Kenya.
647. Oyenike M. Oladokun, Etinosa O. Igbinosa and Anthony I. Okoh (2017). Multi-drug resistant *Vibrio* species isolated from irrigation water and selected vegetables in Amathole Municipalities in Eastern Cape, South Africa. Microbiology Society Annual Conference 2017, 3-6 April at the EICC, Edinburgh, UK.
648. Larayetan Rotimi, Omobola O. Okoh, Sadimenko Alexander and Anthony I. Okoh (2017). Terpene Constituents of The Flower, Stem and Leaf Part, Phenolic Content, Antimicrobial Potential, Free Radical Scavenging and Antioxidant Activity of *Callistemon citrinus* (Curtis) Skeels (Myrtaceae) From Eastern Cape, South Africa. Pittcoin Conference, California, USA between March 5th - 8th, 2017.
649. Sunday O. Okoh, Omobola O. Okoh, Benson C. Iweriebor & Anthony I. Okoh (2017). Seasonal effects on the bioactive constituents and bioactivities properties of leaf essential oil from *Searsia chirindensis* (Baker f.) Moffett, comb. PITTCON CONFERENCE 2017. CHICAGO, IL USA, March 5-9<sup>th</sup> 2017.
650. Christy Echakachi Manyi-Loh, Sampson N. Mamphweli, Edson Leroy Meyer and Anthony Ifeanyi Okoh (2017). Analysis of the anaerobic co-digestion of saw dust and pig droppings for biogas production. 16th International Conference on Sustainable Energy Technologies (SET2017), Bologna, Italy, 17-20 July 2017.
651. Oladokun, O. M. and Okoh A.I. (2017). Detection and characterization of multi-drug resistant and putative antibiotics resistance genes from *V. parahaemolyticus* and *V. fluvialis* isolated from edible vegetables in Amathole Municipality, Eastern Cape Province, South Africa. Society for Applied Microbiology (SfAM) Annual Conference, BAL TIC Centre for Contemporary Art, Gateshead, UK. 3-6 July, 2017.
652. Olusola-Makinde, O., Adetuyi, F., Arotupin, D. and Okoh, A. (2017). Characterization of drug resistance pattern of bacterial isolates recovered from a bovine abattoir wastewater in Akure, Nigeria. 6th International Conference on Microbial Communication for Young Scientists, Friedrich Schiller University, Jena, Germany, 20-23 March, 2017.
653. Olusola-Makinde, O., Adetuyi, F., Arotupin, D., Ekundayo, T. and Okoh, A. (2017). Multiple antibiotics and metal resistance depict mobilomic and non-mobilomic drives in bacteria from streams impacted with husbandry and wastewaters in Akure, Nigeria. American Society for Microbiology (ASM) Conference, Microbe 2017, New Orleans, USA, 1-5 June, 2017.
654. Adelabu O. A, Iweriebor B. C, Nwodo U. U, Obi L. C, Okoh A.I (2017). Phylogenetic analysis of partial genomic region of Hepatitis E virus from swine. ASM Conference, Microbe 2017, New Orleans, USA, 1-5 June, 2017.
655. Afolabi, K. O., Iweriebor, B. C., Obi, L. C. and Okoh, A. I. (2017). Molecular detection of *Porcine circovirus 2* in swine herds of Eastern Cape Province, South Africa. ASM Conference, Microbe 2017, New Orleans, USA, 1-5 June, 2017.
656. Ojemaye, M. O., Okoh, O. O. and Okoh, A. I. (2017). Performance of NiFe<sub>2</sub>O<sub>4</sub>-SiO<sub>2</sub>-TiO<sub>2</sub> magnetic photocatalyst for the effective photocatalytic reduction of Cr (VI) in aqueous solutions. Poster Presentation at the RSC Catalysis for Fuels-Faraday Discussion, Lagoon Beach Resort, Cape Town, South Africa, 25 -28 January, 2017.
657. Ojemaye, M. O., Okoh, O. O. and Okoh, A. I. (2017). Covalent functionalization of magnetic nanoparticles with azomethine as a novel material for dye sensitized solar cells. Oral Presentation at the 1st Africa Energy Materials Conference, CSIR, Pretoria, South Africa, 28-31 March, 2017.
658. Okoh, S. O., Iweriebor, B. C., Okoh, O. O. and Okoh, A. I. (2017). Bioactive constituents, antibacterial and antiradical activities of the fruit and leaves essential oils of *Crateagus ambigua* Becker AK. 48<sup>th</sup> International Symposium on Essential Oils, Pecs, Hungary, 10 – 13 September, 2017.

659. Owoseni, M. C. and Okoh, A. I. (2017). Chlorine inactivation of *Escherichia coli* recovered from wastewater treatment plants in the Eastern Cape, South Africa. *WISA Water Sustainability Symposium*, Cape Town, South Africa, 7-10 May, 2017.
660. Owoseni, M. C. and Okoh, A. I. (2017). Chlorine tolerant bacteria in reclaimed water impacts food chain and security. *Society for Applied Microbiology (SfAM) Annual Conference*, BAL TIC Centre for Contemporary Art, Gateshead, UK, 3-6 July, 2017.
661. Owoseni, M. C. and Okoh, A. I. (2017). Chlorine inactivation of *Citrobacter* species recovered from wastewater treatment plants in the Eastern Cape, South Africa. *7th Congress of European Microbiologists*, Federation of European Microbiological Society, Valencia, Spain, 9-13 July, 2017.
662. Salaudeen, T., Okoh, O. O. and Okoh, A. I. (2017). Fate of phthalates in activated sludge treatment in Municipal wastewater treatment plants in the Eastern Cape, South Africa and their impact on receiving water. Oral Presentation at the 19th International Symposium on Advances in Extraction Technologies, Santiago de Compostela, Spain, 27-30 June, 2017.
663. Fadare, T. O. and Okoh, A. I. (2017). Evaluation of vegetables as a reservoir of vibrio species in vegetables marketed in some retail outlets of Eastern Cape South Africa. Paper presented at the Australian Society for Microbiology Annual Scientific Meeting, Hobart Australia. 2nd-5th July.
664. Kingsley E. Ebomah, Martins A. Adefisoye and Anthony I. Okoh (2018). Pathogenic *Escherichia coli* Strains Recovered from Selected Aquatic Resources in the Eastern Cape, South Africa, and Its Significance to Public Health. 31st Annual International Conference of the Biotechnology Society of Nigeria, Ota Nigeria 1-5th August, 2018.
665. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya, and Anthony I. Okoh. *Bacillus* sp. Isolated from Marine Environment Produces a Glycoprotein with Flocculating Potentials. ASM Microbe 2018, 7 – 11th June, 2018, Atlanta, Georgia, USA.
666. Igwaran A, Iweriebor BC, and Okoh AI (2018). Essential oil composition, antibacterial and antioxidant activities of *Tagetes minuta* flower grown in Cala community Eastern Cape Province, South Africa. 31st Annual International Conference of the Biotechnology Society of Nigeria, Ota Nigeria 1-5th August, 2018.
667. AI Okoh, L Mpondo, A Ngomti, Z Nthsanka, CD Iwu and MA Adefisoye (2018). Antimicrobial susceptibility profiles of coliforms bacteria isolated from fresh vegetable, agriculture soil, livestock and selected rivers in the Eastern Cape, South Africa. A conference paper presented at the American Society for Microbiology Microbe 2018 Conference, Georgia World Congress Centre, Atlanta, GA, United States of America, 7 – 11 June 2018.
668. Nnolim NE, Okoh AI and Nwodo UU (2018). Keratinolytic potentials of *Arthrobacter* sp. isolated from Local Municipality dump site. A paper presented at South African Society for Biochemistry and Molecular Biology-Federation of African Societies of Biochemistry and Molecular Biology (SASBMB-FASBMB) Conference, North-West University Potchefstroom, South Africa, 8-11 July, 2018.
669. T.A. Olasehinde, L.V. Mabinya, A.O. Olaniran, A.I. Okoh (2018). *Ecklonia maxima* and *Gelidium pristoides* exhibit antioxidant activity and beta-amyloid aggregation, cholinesterases and beta secretase: Potential implication for neuroprotection against Alzheimer's disease. A paper presented at South African Society for Biochemistry and Molecular Biology-Federation of African Societies of Biochemistry and Molecular Biology (SASBMB-FASBMB) Conference, North-West University Potchefstroom, South Africa, 8-11 July, 2018.
670. Nolwazi L. Bhembe, Leonard V. Mabinya, Anthony I. Okoh and Ezekiel Green: Molecular Characterization of *Mycobacterium bovis* Isolated from Cattle Lymph Nodes in the Eastern Cape Province, South Africa. Poster presented at the *American Society of Microbiology (ASM)* conference held on 07<sup>th</sup> -11<sup>th</sup> of June 2018 at the Georgia World Congress Center, Atlanta, Georgia, United States of America.
671. Nolwazi L. Bhembe, Uchechukwu U. Nwodo, Anthony I. Okoh, Leonard V. Mabinya and Ezekiel Green. Prevalence of tuberculous lymphadenitis in slaughtered cattle in Eastern Cape, South Africa. A poster presented at the *South African Society of Microbiology (SASM)* conference held on 04<sup>th</sup> – 07<sup>th</sup> of April 2018 at the Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa.
672. M. A. Adewoyin and A. I. Okoh (2018). Occurrence of *Acinetobacter* species in

selected freshwater resources in the Eastern Cape Province, South Africa. SASM International Conference 2018, Misty Hills Hotel and Conference Centre, Mulderdrift, Johannesburg, South Africa, 4<sup>th</sup> – 7<sup>th</sup> April, 2018.

673. M. A. Adewoyin and A. I. Okoh (2018). Occurrence and Implication of *Acinetobacter baumannii* in Water Resources in the Eastern Cape Province, South Africa. ASM Microbe 2018, Georgia World Congress Center, Atlanta, Georgia, USA. 7<sup>th</sup> – 11<sup>th</sup> June, 2018.
674. Luyanda Msolo, Etinosa Ogbomoede Igbinsola, Anthony Ifeanyin Okoh. Prevalence and Antimicrobial susceptibility profiles of *Escherichia coli* O157:H7 isolates recovered from three selected dairy farms in the Eastern Cape Province, South Africa. Presented at the South African Society for Microbiology conference held at Misty Hills Hotel and Conference Centre in Muldersdrift Johannesburg from 4 - 7 April 2018.
675. Abioye, O.E. and Okoh AI (2018). Prevalence, antibiotic susceptibility pattern and public health implication of pathogenic *Vibrio* spp. isolated from Limpet (*Scutellastra cochlear*) and some estuaries in Eastern Cape, South Africa. Presented at the South African Society for Microbiology conference held at Misty Hills Hotel and Conference Centre in Muldersdrift Johannesburg from 4 - 7 April 2018.
676. Fadare, T. O. and Okoh, A. I. (2018). Occurrence of pathogenic *Vibrio* species in some fresh water resources used for vegetables irrigation in Eastern Cape, South Africa. Paper presented at the proceedings of the South African Society for Microbiology (SASM) conference Johannesburg, South Africa. 4th-7th April.
677. Nontongana, N. and Okoh, A.I. 2018. Appraisal of Wastewater Final Effluents and river water as reservoirs of cholera and non-cholera causing *Vibrio* species: A case study of the Amatole and OR Tambo District Municipality. Poster presentation at the 20<sup>th</sup> Biennial Conference of the South African Society for Microbiology (SASM) held at Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa, 4 -7<sup>th</sup> April.
678. Okeyo, A.N. and Okoh AI (2018). *Vibrio* species in wastewater final effluents and their receiving water bodies: A public health concern. Presented a poster at the 20<sup>th</sup> Biennial Conference of the South African Society for Microbiology (SASM) held at Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa, 4 -7<sup>th</sup> April.
679. Osunla, C.A. and Okoh, A.I. 2018. Distribution and Multiple Antibiotic Resistance profiles of *Vibrio* pathogens in Tsono, Eastern Cape Province, South Africa. Poster presentation at ASM Microbe 2018 held at Georgia World Congress Center, Atlanta, GA, USA, 7 to 11<sup>th</sup> of June.
680. Osunla, C.A. and Okoh, A.I. 2018. Molecular epidemiology and antibiotic profiles of environmental *Vibrio* pathogens in Cradock, Eastern Cape Province, South Africa. Oral presentation at the 20<sup>th</sup> Biennial Conference of the South African Society for Microbiology (SASM) held at Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa, 4 -7<sup>th</sup> April.
681. Adeniji AO, Okoh OO and Okoh AI (2018). Oral presentation: Petroleum hydrocarbon profiles of water and sediment of Algoa bay, Eastern Cape, South Africa. Analitika 2018 Conference at Legend Golf and Safari Resort, Mookgopong, Limpopo, South Africa (July 22 - 25, 2018).
682. O. Gcilitshana, U.U. Nwodo and A.I. Okoh (2018). Prevalence of cholera-causing and non- cholera-causing *vibrio* pathogens in South African surface waters and their feeder wastewater treatment plants in the Eastern Cape. ASM Microbe 2018 held at Georgia World Congress Centre, Atlanta, GA, USA, 7 to 11<sup>th</sup> of June, 2018.
683. Mike O. Ojemaye, Omobola O. Okoh and Anthony I. Okoh (2018). Kinetics, isotherm and thermodynamic studies for the removal of Pb<sup>2+</sup> and Hg<sup>2+</sup> from aqueous solution by adsorption onto azomethine functionalized magnetic nanoparticles, NanoAfrica Conference, Salt Rock Hotel, Durban, South Africa – Poster presentation (April 22nd - 25<sup>th</sup>, 2018).
684. Mike O. Ojemaye, Omobola O. Okoh and Anthony I. Okoh (2018). Study on the mechanism of adsorption of metal ions onto azomethine functionalized magnetic nanoparticles in a single- and competitive-aqueous system, Recent Trends and Advancements in the field of Chemical Sciences, 8<sup>th</sup> International Conference on Chemical Sciences, London, UK. E-Poster presentation (June 14-15<sup>th</sup>, 2018) - Published.
685. K. E. Ebomah, M. A. Adefisoye and A. I. Okoh (2018). Pathogenic *Escherichia coli*

Strains Recovered from Selected Aquatic Resources in the Eastern Cape, South Africa, and Its Significance to Public Health. *An oral presentation at the 31st Annual International Conference of the Biotechnology Society of Nigeria, Ota Nigeria 1-5th August, 2018.*

686. Ekundayo, T. C. and Okoh, A. I. (2018). Plesiomonas-related research disproportionate with high prevalent rates in Africa presented at the South African Society for Microbiology conference held at Misty Hills Hotel and Conference Centre in Muldersdrift Johannesburg from 4 - 7 April 2018.
687. O. Gcilitshana, U. U. Nwodo and A. I. Okoh (2018). Two wastewater treatment plant effluents as sources of pathogenic Vibrio strains to their receiving water bodies. *A poster presented at the American Society of Microbiology (ASM) conference held on 07<sup>th</sup> -11<sup>th</sup> of June 2018 at the Georgia World Congress Center, Atlanta, Georgia, United States of America.*
688. Adelabu, O.A., Iweriebor, B.C., Mabinya, L.V., Obi, L.C. and Okoh, A.I., 2019. Genomic Profiling for *Rickettsia (ompA and ompB)* Gene Recovered from *Ixodidae* in the Eastern Cape, South Africa. *Poster presentation at the American Society for Microbiology (ASM) Microbe, June 20- 24, 2019, San Francisco, USA*
689. Adelabu, O.A., Iweriebor, B.C., Mabinya, L.V., Obi, L.C. and Okoh, A.I., 2019. Genomic Profiling for *Rickettsia (ompA and ompB)* Gene Recovered from *Ixodidae* in the Eastern Cape, South Africa. *Poster presentation at the 8<sup>th</sup> Congress of European Microbiologists (FEMS 2019), 7-11 July 2019, Glasgow, Scotland.*
690. Ebomah, K.E., Adefisoye, M.A. and Okoh, A.I., 2019. Pathogenic *Escherichia coli* strains recovered from selected aquatic resources in the Eastern Cape, South Africa and its significance to public health. *Poster presentation at the American Society for Microbiology (ASM) Microbe, June 20-24, 2019, San Francisco, USA.*
691. Ebomah, K.E., Adefisoye, M.A. and Okoh, A.I., 2019. Pathogenic *Escherichia coli* strains recovered from selected aquatic resources in the Eastern Cape, South Africa and its significance to public health. *Poster presentation at the 8<sup>th</sup> Congress of European Microbiologists (FEMS 2019), 7-11 July 2019, Glasgow, Scotland.*
692. Nontongana, N. and Okoh, A.I., 2019. Appraisal of wastewater final effluents and river water as reservoirs of cholera and non-cholera causing Vibrio species: A case study of the Amathole and OR Tambo District Municipality. *Poster presentation at the 8<sup>th</sup> Congress of European Microbiologists (FEMS 2019), 7-11 July 2019, Glasgow, Scotland.*
693. Igwaran, A., Iweriebor, B.C. and Okoh, A.I., 2019. Molecular Characterization and Antimicrobial Resistance Pattern of *Escherichia coli* Recovered from Wastewater Treatment Plants in Eastern Cape South Africa. *Poster presentation at the American Society for Microbiology (ASM) Microbe, June 20-24, 2019, San Francisco, USA.*
694. Igwaran, A., Iweriebor, B.C. and Okoh, A.I., 2019. Molecular Characterization and Antimicrobial Resistance Pattern of *Escherichia coli* Recovered from Wastewater Treatment Plants in Eastern Cape South Africa. *Poster presentation at the 8<sup>th</sup> Congress of European Microbiologists (FEMS 2019), 7-11 July 2019, Glasgow, Scotland.*
695. Okaiyeto, K., Mabinya, L.V. and Okoh A.I., 2019. Biosynthesis of silver nanoparticles mediated by aqueous extract of *Thuja orientalis* leaf: Characterization and potential applications. *Poster presentation at the 8<sup>th</sup> Congress of European Microbiologists (FEMS 2019), 7-11 July 2019, Glasgow, Scotland.*
696. Olisah, C., Okoh, O.O. and Okoh, A.I., 2019. Levels, tissue distribution and health risk assessment of organochlorine pesticides associated with *Pomadasys Commersonnii* and *Mugil Cephalus* from selected estuaries in Eastern Cape Province, South Africa. *An oral presentation at 257<sup>th</sup> ACS Spring Meeting and Exposition 2019, March 31<sup>th</sup> - April 4<sup>th</sup> 2019, Orlando, Florida, USA.*
697. Ntozonke, N., Nwodo, U.U., Okaiyeto, K., Okoli, A.S. and Okoh A.I., 2019. A marine bacterium, bacillus sp. isolated from the sediment samples of alga bay in South Africa produces a polysaccharide-bioflocculant. *Poster presentation at the 8<sup>th</sup> Congress of European Microbiologists (FEMS 2019), 7-11 July 2019, Glasgow, Scotland.*
698. Ojemaye, M.O., Okoh, O.O. and Okoh, A.I., 2019. Surface modified magnetic

nanoparticles as efficient adsorbents for heavy metal removal from wastewater: Progress and prospect. *An oral presentation at the 257<sup>th</sup> ACS Spring Meeting and Exposition 2019, March 31<sup>th</sup> - April 4<sup>th</sup> 2019, Orlando, Florida, USA.*

699. Ojemaye, M.O., Okoh, O.O. and Okoh, A.I., 2019. Synthesis of terpyridine functionalized super-paramagnetic nanoparticles and its effectiveness for the removal of Rhodamine B from wastewater. *An oral presentation at the 257<sup>th</sup> ACS Spring Meeting and Exposition 2019, March 31<sup>th</sup> - April 4<sup>th</sup> 2019, Orlando, Florida, USA.*
700. Adeniji, A.O., Okoh, O.O. and Okoh, A.I., 2019. Distribution pattern and health risk assessment of polycyclic aromatic hydrocarbons in the water and sediment of Algoa Bay, South Africa. *Poster presentation at the 257<sup>th</sup> ACS Spring Meeting and Exposition 2019, March 31<sup>th</sup> - April 4<sup>th</sup> 2019, Orlando, Florida, USA.*
701. Ekundayo, T. C. and Okoh, A. I. (2019). Molecular characterisation and differential numerical delineation of computer-assisted analysis of DNA fingerprints of *Plesiomonas shigelloides* into strain clusters. 16th International Symposium "Horizons in Molecular Biology" held at the Max Planck Institute for Biophysical Chemistry, in Göttingen, Germany, 9 – 12 September 2019.
702. Ekundayo, T. C. and Okoh, A. I. (2019). Evidence of virulence traits in *Plesiomonas shigelloides* from classical experimentation and bioinformatics perspectives. First Nigerian Bioinformatics Conference, held at Nigerian Institute of Medical Research, Yaba Lagos, Nigeria, 23 – 26 June 2019.
703. Ekundayo, T. C. and Okoh, A. I. (2019). Molecular characterisation and differential numerical delineation of computer-assisted analysis of DNA fingerprints of *Plesiomonas shigelloides* into strain clusters. 16th International Symposium "Horizons in Molecular Biology" held at the Max Planck Institute for Biophysical Chemistry, in Göttingen, Germany, 9 – 12 September 2019.
704. Nnolim NE, Okoh AI and Nwodo UU (2019). Enhanced production of keratinolytic protease by *Bacillus* sp. FPF-1 using agro-wastes formulation. A paper presented at 32nd Annual International Conference of Biotechnology Society of Nigeria (BSN), **August 18-22, 2019**, IITA Ibadan, Nigeria.
705. Adelabu OA, Ayabulela N, Iweriebor BC, Obi LC and Okoh AI (2019). Phylogenetic Analysis of ompB gene of Spotted Fever Group Rickettsiae recovered from Domesticated Animals in the Eastern Cape, South Africa. Oral presentation at The World Academy of Science Symposium, 'ONE HEALTH: A focus on Infectious Diseases in Africa', May 27- 28, 2019, Durban, South Africa.
706. Adeniji AO, Okoh OO and Okoh AI (2019). Distribution of polycyclic aromatic hydrocarbons in the water and sediment of Buffalo River Estuary, South Africa and associated health risks. SAMRC Symposium at International Convention Center (ICC), East London, South Africa. ePoster presentation (August 29 – 30, 2019).
707. Ebomah KE and Okoh AI (2019). Detection of carbapenem-resistant Klebsiella species in selected environmental niches in the Eastern Cape Province, South Africa. An ePoster presented at South African Medical Research Council conference (SAMRC) Symposium held between 29 and 30 August 2019 at the International Convention Center (ICC), East London, South Africa.
708. Igwaran A, Iweriebor BC and Okoh AI (2019). Molecular Characterization and Antimicrobial Resistance Pattern of Escherichia coli Recovered from Wastewater Treatment Plants in Eastern Cape South Africa. An ePoster presented at South African Medical Research Council conference (SAMRC) Symposium held between 29 and 30 August 2019 at the International Convention Center (ICC), East London, South Africa.
709. Iwu CD and Okoh AI (2019). Characterization and antibiogram fingerprints of members of Enterobacteriaceae recovered from irrigation water and agricultural soil samples in Amathole and Chris Hani District municipalities in Eastern Cape Province of South Africa. An ePoster presented at South African Medical Research Council conference (SAMRC) Symposium held between 29 and 30 August 2019 at the International Convention Center (ICC), East London, South Africa.



710. Mpaka L, Adefisoye MA and Okoh AI (2019). Phenotypic characterization of antimicrobial resistant Enterobacteriaceae isolates recovered from vegetables, hospital effluents and river water. An ePoster presented at South African Medical Research Council conference between 29<sup>th</sup> and 30<sup>th</sup> August 2019 at the International Convention Center (ICC), East London, South Africa.
711. Msolo L, Iweriebor BC and Okoh AI (2019). Bacterial co-infection of diarrheagenic E. coli pathotypes and Salmonella species among Gastroenteritis patients in some selected pastoral hinterlands of the Amathole District Municipality, Eastern Cape, South Africa. An ePoster presented at South African Medical Research Council conference between 29<sup>th</sup> and 30<sup>th</sup> August 2019 at the International Convention Center (ICC), East London, South Africa.
712. Okaiyeto K, Mabinya LV, Okoh AI (2019). Antibacterial activity of silver nanoparticles produced via green synthesis using aqueous extract Oedera genistifolia leaf as a reducing and capping agent. An ePoster presented at South African Medical Research Council conference between 29<sup>th</sup> and 30<sup>th</sup> August 2019 at the International Convention Center (ICC), East London, South Africa.
713. Qaqamba M, Uchechukwu UN and Okoh AI (2019). Distribution of virulence determinants in some members of the ESKAPE pathogens isolated from selected Hospital wastewater effluents in the Eastern Cape, South Africa. An ePoster presented at South African Medical Research Council conference between 29<sup>th</sup> and 30<sup>th</sup> August 2019 at the International Convention Center (ICC), East London, South Africa.
714. Olusegun.O. Ikusika, Conference. Mpendulo, Fabian. Fon, Titus.J. Zindove and Anthony Okoh 2020. Effect of dietary supplementation with fossil shell flour on enteric methane output, and position-dependent variations in Dohne-merino wethers. In: 22<sup>nd</sup> International Conference on Ruminant Animal Nutrition and Recent Development, January 06-07, 2020 in Tokyo, Japan.
715. Olusegun.O. Ikusika, Conference. Mpendulo, Titus.J. Zindove and Anthony. I. Okoh. 2019. Hematobiochemical and parasitic profile of Dohne merino wethers fed diet supplemented with varying amounts of Fossil shell flour. In: International Conference on Food Technology & Nutrition, September 23-25, 2019 in Dubai, UAE.
716. Nolonwabo Nontongana, Allisen Okeyo and Anthony I. Okoh, (2019). Appraisal of wastewater final effluents as reservoirs of cholera and non-cholera Vibrio species: A case study of the two wastewater treatment plants in Amatole and O.R Tambo District Municipality, South Africa. A paper presented at the *University of Fort Hare Research and Innovation Day* on the 18<sup>th</sup> October 2019, Alice.
717. Ohoro, C.R., Adeniji, A.O., Okoh, A.I. and Okoh, O.O (2019). Polybrominated Diphenyl ethers in a selected canal in the Eastern Cape Province, South Africa. A poster presented at the *University of Fort Hare Research and Innovation Day* on the 18<sup>th</sup> October 2019, Alice..
718. Olusegun O. Ikusika, Conference T. Mpendulo, Titus J. Zindove, and Anthony I. Okoh (2019). Influence of fossil shell flour supplementation on wool parameters, feed preference and body condition scores of Dohne Merino wethers. An oral presentation at the *Postgraduate Day Conference* on the 8th November 2019, University of Fort Hare, Alice.
719. Mpondo L. and Okoh A.I (2019). Prevalence and antibiogram profiles of *Listeria* species and *Enterobacteriaceae* isolated from river and irrigation water collected from Sarah Baartman District Municipality in the Eastern Cape Province, South Africa. An oral presentation at the *Postgraduate Day Conference* on the 8th November 2019, University of Fort Hare, Alice.
720. Qaqamba Mapipa, Uchechukwu U. Nwodo and Anthony I, Okoh (2019). Distribution of virulence determinants in some members of the ESKAPE pathogens isolated from selected Hospital wastewater effluents in the Eastern Cape, South Africa. A poster presented at the *Postgraduate Day Conference* on the 8th November 2019, University of Fort Hare, Alice..
721. Lindelwa Mpaka, Martins A. Adefisoye and Anthony I. Okoh (2019). Incidence of antimicrobial resistant Enterobacteriaceae from vegetables in the Eastern Cape Province, South Africa. A poster presented at the *Postgraduate Day Conference* on the 8th November 2019, University of Fort Hare, Alice.
722. Sunday O. Okoh, Mike O. Ojemaye and Anthony I. Okoh. Green synthesis of silver nanoparticles (AgNPs) mediated by parts of *Abrus precatorius* L. extracts and their antibacterial,

- antioxidant and antimalarial potentials. 5<sup>th</sup> Annual Symposium-ACS Nigeria Chapter (March 1 & 4<sup>th</sup>, 2020).
723. Eric T. Anthony, Mike O. Ojemaye, Anthony I. Okoh and Omobola O. Okoh (2021). Influence of different Ag/ZnO heterostructures on the removal of multidrug-resistant *Enterococcus faecium* harbouring multiple resistance genes from tap water. Third International Kosygin Readings ``Energy and resource efficient environmentally friendly technologies and equipment, Russia (October 21, 2021).
724. Ebomah KE and Okoh AI (2022). Detection of Carbapenem-resistant Genes in *Klebsiella* species Recovered from Selected Environmental Niches in the Eastern Cape Province, South Africa. A Poster presented at *American Society for Microbiology, ASM Microbe held between 9-13 June, 2022 at Washington, DC, USA*.
725. Digban, T.O., Nwodo, U.U. and Okoh, A.I. Analyses of HIV-1 Integrase gene sequences among treatment naive patients residing in the rural Eastern Cape, South Africa. ASM Microbe 2022, held in Washington DC, USA, June 9<sup>th</sup> to 13<sup>th</sup>, 2022. Postal presentation.
726. Zipho Samuel, Mike O. Ojemaye, Omobola O. Okoh and Anthony I. Okoh (2022) Zinc oxide nanoparticles functionalized with chelating nitrogenous groups for the adsorption of methyl violet in aqueous solutions. International Conference on Water Resources Management and Sustainability: Solutions for Arid Regions, United Arab Emirate (22-24 March 2022), Oral Presentation.
727. Adaora S. Ezeuko, Mike O. Ojemaye, Omobola O. Okoh and Anthony I. Okoh (2022). The effectiveness of silver nanoparticles as a clean-up material for water polluted with bacterial DNA conveying antibiotics resistance genes: Effect of different molar concentrations and competing ions. UFH Research Week, University of Fort Hare, South Africa, (14-17 November 2022), Oral Presentation.
728. Mike O. Ojemaye, Sunday O. Okoh and Anthony I. Okoh. Green synthesis of copper nanoparticles (CuNPs) mediated by parts of *Abrus precatorius* L. extracts and their antimalarial and antitrypanosomal potentials. H3D Symposium, Stellenbosch, South Africa. October 25-28, 2022.
729. Mike O. Ojemaye and Anthony I. Okoh (2023). Research direction on platinum based electrocatalysts for fuel cells. International Conference on Environmental Chemistry and Engineering (ICECE - 23), Boston, USA.
730. Mike O. Ojemaye, Anthony I. Okoh and Omobola O. Okoh (2023). Research direction on perfluorinated compounds in the environment between 1990-2021 using bibliometric analysis. International Conference on Environmental Chemistry and Engineering (ICECE - 23), Boston, USA.
731. Anthony Okoh and Badriah Ebrahim (2024). Antimicrobial susceptibility profile of some bacteria species isolated. International Conference on Science, Technology, and Interdisciplinary Research (ICSTAR - 2024). 13<sup>th</sup> - 14<sup>th</sup> Feb 2024, Dubai, UAE.
732. OO Okoh, OO Olaniyan, AO Adeniji and AI Okoh (2024). Co-Occurrence and Risk Assessment of Hexabromocyclododecane,2,2',4,4',5,5'-Hexabromobiphenyl and Toxic Elements in Buffalo River Estuary, Eastern Cape Province, South Africa. The International Conference on Water Resources Management and Sustainability: Solutions for Arid Regions, 26-28 February 2024, Dubai, United Arab Emirates.

### Invited Keynote Addresses

733. Okoh AI (2013). Building a world class and nationally responsive Faculty of Science at Wits. A lecture presented to the Faculty of Science, University of Witwatersrand, South Africa.
734. Okoh AI (2013). Water and its microbiome: our allies or nemeses? You be the judge! A professorial inaugural address delivered at the University of Fort Hare, Alice Campus on 6 November 2013.
735. Okoh AI (2013). Emerging challenges in water treatment: a need for the review of some set guidelines and treatment options. A keynote address delivered at the 18<sup>th</sup> Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.

736. Okoh AI (2014). The water microbiome divide: indispensable resources or agents of perdition? 2014 Distinguished Guest Lecture of the Faculty of Science, Obafemi Awolowo University, Ile-Ife, 26 June 2014.
737. Okoh AI (2014). Trodding the water microbiome terrain: important resources or agents of perdition? A distinguished guest lecture delivered at Centre National de Recherche Agronomique (CNRA), Abidjan, Cote d'ivoire on 5 August 2014.
738. Okoh AI (2014). Emerging challenges in water quality: a call to arm for the academia. A keynote lecture delivered at the research day of the University of Fort Hare on 6 October 2014.
739. Okoh AI (2015): "An inquest into the water microbiome milieu and the demands of a world class university". A distinguished guest lecture delivered at the University of Nigeria, Nsukka on 5<sup>th</sup> February 2015.
740. Okoh AI (2015). An inquest into the water microbiome and emerging challenges in water treatment: a need for the review of some set guidelines and treatment option. An invited Plenary Lecturer delivered at the SOS2015 Conference, Federal University of Technology, Akure, Nigeria, 1-4 July 2015.
741. AI Okoh (2015). The water microbiome: biotechnological tool in water quality challenges. A lead opening keynote address delivered at the 28<sup>th</sup> congress of the Biotechnology Society of Nigeria, Godfrey Okoye University, Enugu State, Nigeria, 19-29 August 2015.
742. Okoh AI (2016). Antimicrobial resistance in water environments: a growing concern. A presentation at the WRC workshop on emerging contaminants and pathogens in drinking water and public health risks, at the PHASA conference, 19<sup>th</sup> September 2016, ICC East London, South Africa.
743. Okoh AI (2016). Water research initiatives at the University of Fort Hare. A lead presentation on Water on behalf of the South Africa representatives at the Oman - South Africa Workshop on Water & Agri-biotechnology 23-24 February 2016 held at the Sultan Qaboos University, Muscat Oman.
744. Okoh AI (2016). Increasing incidences of chlorine disinfectant resistant pathogens: an emerging challenge in microbial water quality. An invited paper presented at the WRC workshop on the 18<sup>th</sup> May 2016, within the WISA2016 Biennial conference held at the ICC Durban, 15-20 May 2016.
745. Okoh AI (2016). The Role of Biotechnology in the water sector and associated emerging challenges. A plenary paper delivered at the 29<sup>th</sup> Annual Conference and General meeting of the Biotechnology Society of Nigeria which held in Calabar, 28-31 September 2016.
746. Okoh AI (2016). Emerging challenges in water treatment and the need for academia-industry- government partnership. A plenary paper presented at the Skills drought in the Water sector Discussion Forum hosted by the NSTF Science Councils sector, 26-27 September 2016, Emperors Palace Convention Centre, 63 Jones Road, Kempton Park, Gauteng
747. Okoh AI (2016). The Water Research Initiatives of the University of Fort Hare. 1<sup>st</sup> Tunisian-South African International-Workshop on Microbial Ecology and Biotechnology in Stressful Environments; November 4<sup>th</sup> - 6<sup>th</sup> 2016, ISBST, Sidi Thabet, Tunisia.
748. Okoh AI (2017). New Insight into Chlorine Disinfectant usage in Water quality: A need for review of Existing Guidelines. A lead keynote address delivered at the 30<sup>th</sup> Annual Conference of the Biotechnology Society of Nigeria, 27-30 August 2017 at Federal University of Technology, Minna, Nigeria.
749. Okoh AI (2018). New challenges in water treatment as a driver for novel alternatives in the water sector: Water Research initiatives of the University of Fort Hare as case study. A Distinguished Guest lecture of the Faculty of Science, Adeleke University delivered on 12 March 2018.
750. AI Okoh (2019). Emerging challenges in the aquatic milieu: increasing incidences of antibiotic resistance determinants and the need for alternatives to hazardous chemical flocculants. International scientific and technical Symposium "Second International Kosygin Readings "Energy and recourse efficient environmentally friendly technologies and equipment", dedicated to the 100th anniversary of the Kosygin Russian State University, The Kosygin State University of Russia, 29<sup>th</sup> –Oct – 2019 to 1<sup>st</sup> – Nov – 2019.
751. AI Okoh (2022). Emerging challenges in the water sector and their implications for public health. Ajman 6th International Environment Conference, Sheikh Zayed Centre for

752. Al Okoh (2022). The Menace of Antibiotic Resistance. Webex Platform of the Health Promotion Department of the Supreme Council for Family Affairs, United Arab Emirates, 22 May 2022.

### **Contributions to Technical Reports**

1. Okoh AI, Mazibuko NN, Koba S, Sibanda T, Chigor VN, Nkoane E, Stuurman A, Gcilitshana O and Samuel MO (2012). Assessment of the incidence of faecal indicator bacteria and human enteric viruses in some rivers and dams in the Amathole District Municipality of the Eastern Cape Province of South Africa. Final report of project K5-1968 of the Water Research Commission of South Africa. <http://wrcwebsite.azurewebsites.net/wp-content/uploads/mdocs/1968-1-12.pdf> .
2. Okoh AI and Team (2014). Surveillance of viral, faecal indicator bacteria and Vibrio pathogens in the final effluents of wastewater treatment facilities in the Eastern Cape Province: A vehicle for capacity development in microbial water quality science in the Province Final report of project K5- 2145 of the Water Research Commission of South Africa. <http://wrcwebsite.azurewebsites.net/wp-content/uploads/mdocs/2145.pdf>
3. Okoh AI. S Gaqavu, V Nongogo, N Nontongana, AC Osunla, OE Abioye, TO Fadare, S Chisi, O Gcilitshana, CE Iheanacho, A Okeyo and D September (2018). Cholera monitoring and response guideline. Final report of project K5-2432 of the Water Research Commission of South Africa. <http://wrcwebsite.azurewebsites.net/wp-content/uploads/mdocs/2432%20Volume%201.pdf> ( Vol 1)
4. Okoh AI. S Gaqavu, V Nongogo, N Nontongana, AC Osunla, OE Abioye, TO Fadare, S Chisi, O Gcilitshana, CE Iheanacho, A Okeyo and D September (2018). A manual for the monitoring of cholera and non-cholera causing vibrio pathogens in water, vegetables and aquatic animals (as part of Project K5/2432: Cholera monitoring and response guideline) for Water Research Commission of South Africa (Vol. 2). [http://wrcwebsite.azurewebsites.net/wp-content/uploads/mdocs/TT%20773\\_final%20web.pdf](http://wrcwebsite.azurewebsites.net/wp-content/uploads/mdocs/TT%20773_final%20web.pdf).
5. Mobil Producing Nigeria Unlimited (1995) – Environmental Impact Assessment Report for the Edop Field Development and Gas Injection Platform Project. Eds. Dayo, F.B., Ojeshina, A.O. Ogunkoya, O.O., Badejo, M.A., Salami, O.; Okoh, A., Ojo, A.
6. Nigerian Cement Company, Nkalagu (1995) – Environmental Impact Assessment Report for the Refurbishment and Expansion of the Nigercem Cement Works. Eds. Dayo, F.B., Ojeshina, A.O., Ogunkoya, O.O., Badejo, M.A., Salami, O.; Okoh, A., Ojo, A.
7. Chevron Nigeria Limited (1996) – Environmental Impact Assessment Report for the Benin River Field Development Project. Eds. Dayo, F.B., Ojeshina, A.O., Ogunkoya, O.O., Badejo, M.A., Salami, O.; Okoh, A., Ojo, A.
8. Chevron Nigeria Limited (1998) – Environmental Impact Assessment Report for the Dibi Field Development Project. Eds. Dayo, F.B., Ogunkoya, O.O., Badejo, M.A., Salami, O.; Okoh, A., Ojo, A.
9. Chevron Nigeria Limited (1998) – Environmental Impact Assessment Report for the Gbokoda Field Development Project. Eds. Dayo, F.B., Ogunkoya, O.O., Badejo, M.A., Salami, O.; Okoh, A., Ojo, A.
10. National Inland Waterways Authority (2002) – Environmental Impact Assessment Report for the Proposed Dredging of the Lower River Niger Waterways. Eds. Dayo, F.B., Ogunkoya, O.O., Ojeshina, A.O., Ajao, E.A., Adegoke, O., Badejo, M.A., Salami, O.; Okoh, A., Ojo, A., Ohaka, A. Aliu, A.A., Ibhafidon, L.,
11. West African Pipeline Company (2004) – Environmental Impact Assessment for the West African Gas Pipeline Project (Nigeria). Eds. Imevbore, V.O., Adeniyi, F.I., Amusan, A.A., Badejo, M.A., Ojo, A., Okoh, A., Ohimain, E.I., Taiwo, O.J., Soneye, A.S.O., Balogun, I.I., Bamidele, S.O., Imoobe, S.I.

### **COLLABORATIONS/LINKAGES**

Over the years, I have established collaboration and linkages with the following individuals/institutions:

- University of Pretoria (Prof Lise Korsten): Partnerships for Enhanced Engagement in Research (PEER) Program grant: Characterizing and tracking of antimicrobial resistance in the water-plant-food public health interface: An emerging water, sanitation and hygiene issue (2016-2019). Benefits include joint proposal presentations, sharing of resources and joint publications.
- University of KwaZulu Natal (Prof AO Olaniran): Characterization of extracts from selected algal species and their modulatory effects on some biomolecules implicated in Alzheimer's disease (2016 to date). An emerging water, sanitation and hygiene issue (2016-2019). Benefits include joint proposal presentations, joint supervision of students, sharing of resources and joint publications.
- Prof Arinze S. Okoli; GenØk – Centre for Biosafety, University of Tromsø, Norway. Benefits include joint proposal presentations, joint supervision of students, sharing of resources and joint publications.
- Prof Rui Krause, Department of Chemistry, Rhodes University. An emerging water, sanitation and hygiene issue (2016-2019). Benefits include sharing of resources and joint publications.
- Prof HC Hoppe Department of Biochemistry and Microbiology, Rhodes University. Benefits include sharing of resources and joint publications.
- Prof Brett Pletschke; Rhodes University, Grahamstown, South Africa. Benefits include joint proposal presentations, sharing of resources and possibly joint publications.
- Prof Bruce Sithole; Director CSIR, Durban, South Africa. Benefit includes joint proposal presentations, sharing of resources and possibly joint publications.
- Prof Pravin Kendrekar; Department of Health Sciences Faculty of Health and Environmental Sciences, Central University of Technology, Free State, Bloemfontein, South Africa. Benefits include joint proposal presentations, sharing of resources and possibly joint publications.
- Prof Timo Niedermeyer; Department of Pharmaceutical Biology/Pharmacognosy, Institute of Pharmacy, University of Halle-Wittenberg, Halle (Saale), Germany.
- Prof Chibuikwe Udenigwe; University Research Chair, School of Nutrition Sciences, University of Ottawa, Canada. Currently discussing areas of collaborations.
- Prof Atef Jaouani; University of Tunis El Manar, Tunis, Tunisia. Benefits include joint proposal presentations, sharing of resources, students exchange and joint publications.
- Prof Hani Moubasher; University of Cairo, Egypt. Benefits include joint proposal presentations, sharing of resources, students exchange and joint publications.
- Prof Aselm P. Moshi; Tanzania Industrial Research and Development Organization, Tanzania. Benefits include joint proposal presentations, sharing of resources and joint publications.
- Prof Lewis Ezeogu; Head, Department of Microbiology, University of Nigeria, Nsukka. Benefits include joint proposal presentations, sharing of resources, students exchange and joint publications.
- Prof Collin N. Ateba; Head, Department of Biological Science, Faculty of Natural and Agricultural Sciences, University of North-West, South Africa. Benefits include joint proposal presentations, sharing of resources, students exchange and joint publications.
- Prof O Babalola, Department of Biological Science, Faculty of Natural and Agricultural Sciences, University of North-West, South Africa. Benefits include joint proposal presentations, sharing of resources, students exchange and joint publications.
- Prof Songca, University of Zululand, South Africa. Benefits include joint proposal presentations, sharing of resources and joint publications.
- Prof AK Basson University of Zululand, South Africa. Benefits include joint proposal presentations, sharing of resources and joint publications.
- Prof CL Obi, Sefako Makgatho Health Sciences, University, Ga-Rankuwa, Pretoria, South Africa. Benefits include joint proposal presentations, sharing of resources, joint supervision of students and joint publications.

- Prof CL Obi, Sefako Makgatho Health Sciences, University, Ga-Rankuwa, Pretoria, South Africa. Benefits include joint proposal presentations, sharing of resources, joint supervision of students and joint publications.
- Dr M Bisi-Johnson, Department of Microbiology, Obafemi Awolowo University, Ile-Ife, Nigeria. Benefit includes sharing of resources, student exchange and joint publications.
- Prof AO Igbinosa, University of Benin, Nigeria. Benefits include sharing of resources, sharing of resources and joint publications.
- Dr Lucy Semerjian, Department of Environmental Health Sciences, University of Sharjah, United Arab Emirates. Collaborations on environmental health.
- Prof Adolphe Zézé, Laboratoire de Biotechnologies Végétale et Microbienne (LBVM), Unité Mixte de Recherche et d'Innovation en Sciences Agronomiques et Génie Rural, Institut National Polytechnique Felix Houphouët-Boigny, Yamoussoukro 1093, Côte d'Ivoire. Collaboration on antimicrobial resistance.
- Dr Amina Al-Marzouqi, University of Sharjah, United Arab Emirates. Collaborations on environmental health and bioactive compounds.
- Dr Michael Otim, University of Sharjah, United Arab Emirates. Collaborations on environmental health and bioactive compounds.
- Prof Elsiddig A. E. Elsheikh, University of Sharjah, United Arab Emirates. Collaborations on environmental and bioactive compounds.
- Prof Etinosa Igbinosa, Department of Microbiology, University of Benin, Benin-City, Nigeria. Collaboration on antimicrobial resistance.



**Prof Anthony I Okoh**