

**DETAILED CURRICULUM VITAE****DOUGNON Tamègnon Victorien, Senior Lecturer in Microbiology***([www.researchgate.net/profile/Victorien\\_Dougnon](http://www.researchgate.net/profile/Victorien_Dougnon) and <https://dougnonvictorien.bj>)***I- PEDAGOGICAL TRAINING****1. Diploma Training**

Product of the Polytechnic, I obtained my PhD in Environmental and Health Sciences in 2013 after a Master in Biomedical Analysis in 2011 at the University of Abomey-Calavi. Before that, I obtained a Professional License in Biomedical Analysis in 2008 at the same University. My academic career has been punctuated by numerous scientific visits abroad.

**2. Seminars and Internships**

<b>Year, Structures, Country</b>	<b>Training</b>
From 2 to 24 August 2022, University of Jos, Nigeria	Participation in the administrative and financial management of tailor-made research
From 23 to 27 May 2022, University of Abomey-Calavi, Benin	Participation in the monitoring and evaluation mission of biologists trained as part of output 2 of the project "Quality Laboratory Testing-Training Project in Benin 2021-2022"
From 30 May to 10 June 2022, University of Helsinki, Finlande	Participation in the high-level reflection workshop to improve Finnish cooperation and other developing countries (Erasmus+ International Credit Mobility)
From 24 to 25 February 2022, University of Abomey-Calavi, Benin	Participation in the reflection workshop on strategies for integrating Sexual Health and Reproductive Rights (SRHR) modules into the training and research offers of the National Universities of Benin
From 3 to 5 December 2021, RUFORUM	Participation in the workshop on strengthening collaborative action for digital learning in RUFORUM member universities through the development and delivery of selected online courses
From 24 to 25 November 2021, EPAC/UAC, Benin	Participation in the training workshop on putting courses online funded by CAMES
2021, Inqaba Biotec, Nigeria	Participation in training in basic molecular techniques (Hands-on)
2021, APEFE-EPAC/UAC, Benin	Participation in training on the CAMES Quality Assurance standard
2021, APEFE-EPAC/UAC, Benin	Participation in the CAMES Quality Assurance standard development workshop
From 14 to 21 June 2021, AUF, Benin	Participation in the online training workshop for trainers in scripting, designing and putting courses online in Moodle
From 19 to 2021, WHO, Online	Participation in training on the proper use of antibiotics: a competency-based approach
19, May 2021, WHO, Online	Participation in training on basic microbiology techniques
25, April 2021, University of Helsinki, Finlande	Participation in the Distance Learning Program on Participatory Visual Methods

2, April 2021, AJSB, Benin	Participation in the Online Training on the use of Zotero in the management of bibliographic references
2021, CPUAQ/APEFE, UAC, Benin	Participation at the pedagogical training
2020, University of Pretoria, South Africa	Participation at the Africa Science Leadership Programme (ASLP)
From 8 to 19 July 2019, Ghana	Participation in the practical training workshop on phages
2019, TBC Africa, Benin	Participation in a full English language assessment session
From 18 to 22 September 2017, Republic of China	Participation in the International Course on Medical Aspects of Assistance and Protection against Chemical Weapons
From 9 to January 2017, University of Abomey-Calavi, Benin	Certificate of initial pedagogical training led by the University Pedagogy and Quality Assurance Center of the UAC
From 18 to 20 October 2016, University of Pretoria, South Africa	Participation in the Regional Workshop on Policy and Diplomacy for Scientists: Introduction to Responsible Research Practices in the Chemical and Biological Sciences
2016 December, University of Abomey-Calavi, Benin	Participation in the educational reflection workshop on the evaluation of learning (EVALAPP)
From 12 to 14 October 2016, IRD, Benin	Participation in the Science and Business Forum for Innovation and Development
From 28 June to 16 July 2016, University of Abomey-Calavi, Benin	Participation in the Skills Building Training for Teacher-Researchers in West Africa
From 2 to 3 June 2016, IRD, Benin	Participation in the Training for setting up European projects - Horizon 2020
From 16 to 20 May 2016, Ministry of Health, Benin	Participation in the Biosafety and Biosecurity Training Workshop
10, May 2016, Porto-Novo, Benin	Participation in the training workshop on the biological diagnosis of typhoid fever and the presentation of the American Society of Microbiology (ASM)
From 29 to 30 January 2015, Cotonou, Benin	Participation in the training of trainers of the RESAOLAB program
From 9 February to 10 March 2014, University of Ghana	Participation in the Training on the development of animal models of infectious diseases and on biostatistics
From 4 to 5 October 2013, CSRS, Côte d'Ivoire	Participation in the Africa 2013 post-conference training course in One Health, Eco Health, risk analysis and ethics
October 2010 to June 2011, Cotonou, Benin	Practical internship in the Bacteriology section of the Central Laboratory of the diagnostic exploration service of the Ministry of Health

### 3. Participation in national and international scientific activities

Year, Structures, Country	Training
From 16 to 18 November 2022, University of Abomey-Calavi, Benin	Participation in training on the administration of support services in the setting up and administrative and financial management of projects at UAC
From 2 to 3 November 2022, University of Abomey-Calavi, Benin	Participation in the fair for scholarships and projects to strengthen the skills of teacher-researchers in the mobilization of resources for the financing of research
From 17 to 21 October 2022, Abuja, Nigeria	Participation in the first edition of the African Forum on Research and Innovation
16, September 2022 Global Sepsis	Participation in the celebration of the 10th anniversary of World Sepsis Day
12, September 2022 LSV, Finlande	Participation, as a guest speaker, in a symposium organized by LSV Finland
From 1 to 3 September 2022, Congress Palace, Benin	Participation in the first national days of infectiology in Benin

25, April 2022, Young Academy Scientists of Nigeria	Participation and presentation of a communication titled: From the hope raised by ECOWAS: the PARI program for anti-covid solutions based on medicinal plants at the Webinar of the Nigerian Young Academy
2022, Nigeria	Participation in the ACEWATER-CARDIFF water institute 2022 networking workshop on developing capacity to find sustainable solutions for drinking water supply in West Africa
From 16 to 18 February 2022, University of Joseph Ki-Zerbo, Ouagadougou	Participation in doctoral studies under the theme: Doctoral schools for high visibility of research results
4 January 2022, National Academy of Sciences, Arts and Letters of Benin	Participation in the workshop on the evaluation of the economic cost of consuming polluted water and fish in southern Benin, National Academy of Sciences, Arts and Letters of Benin
From 11 to 12 November 2022, DAAD	Participation as Speaker in the workshop: A Deep-Dive: African solution to Modern Health Problems on the continent
From 08 to 26 November 2021, EPAC/UAC	Training of trainers to improve the quality of clinical laboratory diagnostics in Benin
From 23 to 26 August 2021, Nigerian Young Academy	Participation in the International Conference of the Nigerian Young Academy
17, September 2021, Adamas University, India and Microbiology Society	Participation to the Champions Talk organized by Adamas University, India and Microbiology Society
From 9 to 11 July 2021, European Congress of Clinical Microbiology and Infectious Diseases	Participation in the 31st European Congress of Clinical Microbiology and Infectious Diseases
13, March 2021, National Academy of Sciences, Arts and Letters of Benin, Grand-Popo, Benin	Participation in the national reflection workshop on the theme: what promotion system for competitive research and higher education in Benin?
5, March 2021, Academy of Young Scientists of Benin	Participation in the conference entitled: Scientific research in the context of COVID-19: challenges and opportunities for young scientists
From 27 to 28 February 2021, IKSAD	Participation in the Third African International Conference on Studies in Science, Technology and Social Sciences
From 28 to 30 December 2020, National Academy of Sciences, Arts and Letters of Benin	Participation in the reflection workshop on national digital mapping and modelling: decision support tools organized by the permanent climate-environment commission of ANSALB
From 21 to 23 December 2020, National Academy of Sciences, Arts and Letters of Benin	Participation in the reflection workshop on the pollution of natural ecosystems (soil, water) in urban and rural areas organized by the permanent climate-environment commission of ANSALB
23, October 2020, Academy of Young Scientists of Cameroon	Participation as a penalist in the Webinar on the theme: The role of young academies in the development of Africa
From 27 to 28 August 2020, UNESCO	Participation in Online Workshop on Technopreneurship for developing countries
From 13 to 14 December 2019, EPAC, Benin	Participation as Speaker at the National Camp for Scientific Youth
From 4 to 6 November 2019, ISESCO-TWAS	Participation as a resource person at the 5th ISESCO-COMSATS-INIT International Conference on Agriculture, Biotechnology and Food Security: Role of ICT
From 5 to 6 September 2019, National Academy of Sciences, Arts and Letters of Benin	Participation in days of reflection on the quality and market access of market gardening products organized by the permanent agriculture committee of ANSALB
From 6 to 16 September 2019, University of Abomey-Calavi, Benin	Participation in the scientific, cultural and sports days of the West African Medical Students Network (REMAO)

15, June 2019, Akpakpa, Cotonou, Benin	Participation as a Speaker at the 2019 TED <sup>x</sup> AKPAKPA conference under the theme Vision for Africa
From 7 to 10 May 2019, Cotonou, Benin	Participation in the scientific days of the Beninese Center for Scientific Research and Innovation - Edition 2019
From 16 to 8 October 2018, WAC, Mali	Participation in the 4th West African Sub-Regional Conference
From 8 to 13 October 2018, Lomé, Togo	Participation in the 18th Edition of the International Scientific Days of Lomé (JSIL 2018)
From 8 to 9 October 2018, Cotonou, Benin	Participation in the One Health congress on antimicrobial resistance
From 31 July to 3 August 2018, University of Joseph Ki-Zerbo, Ouagadougou	Participation in the 8th Scientific Meeting of WANNPRES in Ouagadougou
From 7 to 11 June 2018, Atlanta, USA	Participation in the ASM Microbe 2018 International Conference
From 8 to 10 May 2018, Dakar, Sénégal	Certificate of participation in the second edition of the International Forum of Biology in Africa (FIBAFric 2018)
From 5 to 7 March 2018, Cotonou, Benin	Participation in the third Scientific Conference of the West African Network for Health Research (ROARES)
From 5 to 7 February 2018, University of Abomey-Calavi, Benin	Participation in scientific days organized at the Polytechnic School of Abomey-Calavi
From 9 to 11 November 2017, Dakar, Sénégal	Participation in the 6th congress of the African Society of Infectious Pathology (SAPI)
From 25 to 30 June 2017, Lindau	Participation in the 67th Lindau Nobel Laureate Meeting dedicated to Chemistry
From 14 to 19 December 2017, African School of Economists (ASE)	Participation as a panelist at Summer Institute for Economic Research 2017
From 26 to 28 June 2017, Cotonou, Benin	Participation in the scientific week organized as part of the celebration of the day of scientific recognition of Africa, Edition 2017
From 28 to 29 November 2016, Addis Ababa, Ethiopie	Participation in the UNESCO Meeting o Infectious Diseases and Women Health
From 2 to 4 October 2016, Kyoto, Japan	Participation in the 13 <sup>th</sup> Annual Meeting STS Forum-Science and technology in society
From 21 to 22 July 2016, Ouagadougou	Participation in the 3rd days of clinical biology in Burkina-Faso
From 13 to 14 January 2016, Sénégal	Participation in the International Forum of Biology in Africa in Dakar
From 20 to 23 April 2016, Bruxelles, Belgique	Participation in the 8th International Francophone HIV/Hepatitis Conference AFRAVIH
From 23 to 28 June 2014, Cotonou, Benin	Participation in the scientific week organized as part of the celebration of the day of scientific recognition of Africa, Edition 2014
From 12 to 16 May 2014, University of Kara, Togo	Participation in the International Scientific Colloquium of the University of Kara on the theme: What contributions of Universities for development in Africa?
From 1 to 3 October 2013, Côte d'Ivoire	Participation with an oral presentation at the International Conference Africa 2013
From 23 to 28 September 2013, University of Abomey-Calavi, Benin	Participation in the 4th colloquium of the University of Abomey-Calavi of Sciences, Cultures and Technologies
From 15 to 20 September Grenade, Espagne	Participation in the 20th International Nutrition Congress
From 4 to 6 June 2013, Yamoussoukro, Côte d'Ivoire	Participation in the first African research conference on agriculture, food and nutrition
From 5 to 7 March 2013, Ouagadougou, Burkina-Faso	Participation in the second conference of the West African Research Network for Health (ROARES)

From 3 October to 3 November 2012, Dakar-Sénégal	Participation in the animation of the International Symposium Science, Education and Technology for the Development of Africa
From 22 to 26 October 2022, Lomé-Togo	Participation in the 15th edition of the international scientific days of Lomé
From 9 to 12 October 2012, Ouagadougou, Burkina-Faso	Participation in the 3rd International Congress on Phytotherapy of Ouagadougou (CIPO)
From 16 to 20 January 2012, Cotonou, Benin	Participation in the 3rd Beninese scientific days on HIV, AIDS and STIs

## II- ACADEMIC ACTIVITES

### 1. Teaching

#### Teaching Levels and Teaching Units:

- Professional License in Biomedical Analysis (BAC + 3 years): Instrumental Techniques, General Microbiology, Medical Microbiology, Research Methodology
- Professional License in Hygiene, Sanitation and Public Health (BAC + 3 years): General Microbiology
- Professional License in Hospitality and Tourism (BAC + 3 years): Food Hygiene and Prevention of Occupational Risks
- Master in Environment, Health and Development: Microbiology
- Master in Molecular and Medical Microbiology: Scientific Seminars and Article Reviews

#### Supervision of students enrolled in cycles :

- Professional license. 150 works defended on time
- Master. 50 works defended on the right date
- Unique Doctorate Theses. 03 registered
  - *Genomic diversity of strains of multiresistant bacteria isolated in the ecosystem of Lake Nokoué in Benin and biocontrol tests by phages, Mrs. Kafayath FABIYI, October 2022-October 2025*
  - *o Endogenous knowledge and the fight against emerging and re-emerging diseases: case of coronaviroses, Mrs Affousath AMADOU, October 2022-October 2025*
  - *Resistance to beta-lactams and carbapenems in hospitals in Benin: inventory in some hospitals, molecular characterization and applications of Bioinformatics for surveillance, Mr. Kevin SINTONDI, October 2022-October 2025*

### 2. Teaching functions coordination or skills transfer activities

- Lead trainer for training sessions on the structuring of an online course, scripting of an online course and the evaluation of learning and teaching for the benefit of teachers at the Ecole Polytechnique d 'Abomey-Calavi, 2021.
- - Coordinator of the training session on the structuring of an online course, scripting of an online course and the evaluation of learning and teaching for the benefit of teachers of the Research Master in Molecular and Medical Microbiology, Ecole Doctorale Sciences de la Vie et de la Terre, University of Abomey-Calavi, 2021.
- Coordinator of the Project for the assembly of open and massive online courses of the Agence Universitaire de la Francophonie for obtaining a Certification in Microbiology, 2019-2020
- Visiting Professor in the field of Microbiology / Hygiene at the University of Mauritius, 2018
- Expert associated with the development of the advocacy guide on behalf of the advocacy project with the Ministry of Decentralization for the inclusion of key populations in HIV/AIDS control programs at town hall level, 2017

### 3. Academic and pedagogical administrative functions

#### 3.1. Design of training offers

- Set up and launch of the training offer for the Certificate in molecular epidemiology of antimicrobial resistance and the One Health approach, 2022
- Writing, monitoring of the academic procedure and launch of the Master's training offer in Molecular and Medical Microbiology, Ecole Doctorale Sciences de la Vie et de la Terre, University of Abomey-Calavi, Benin, 2018
- Organization of a reflection workshop on the training offers carried out by the Centre Autonome de Perfectionnement (CAP), Ecole Polytechnique d'Abomey-Calavi, University of Abomey-Calavi, Benin, 2021
- Production of the training offer as part of the online release of the MOOC Microbe, 2020

- Participation in the self-assessment of the Educational Offer of the Polytechnic School of Abomey-Calavi, July 09 and 12, 2019

### 3.2. Administrative Experience Certificates

- Supervisor of the Management and Monitoring Committee of the Project to award WAPCO-UAC Scholarships to the best students of the University of Abomey-Calavi, 2022 to date
- Deputy Coordinator of the Certificate in Molecular Epidemiology of Antimicrobial Resistance and One Health Approach, 2022 to date
- Manager of the Steering Group of the fifth Institutional Support Program (P5) 2022-2027 of the Academy of Research and Higher Education (ARES) at the University of Abomey-Calavi, 2022 to date
- Member of the Reflection Committee for Solidarity between Corporation and Cooperation between the private sector and the Federation of Associations of Traditional Medicine Actors of Benin, 2022
- Rapporteur of the reflection committee on the application of decrees N°2022-151 and N°2022-152 of March 02, 2022 during the meetings of the Scientific and Pedagogical Council, Ecole Doctorale Sciences de la Vie et de la Terre, 2022
- Head of the Research Unit in Applied Microbiology and Pharmacology of Natural Substances (URMAPha), Ecole Polytechnique d'Abomey-Calavi (EPAC), University of Abomey-Calavi (UAC), Benin, 2021 to date
- Member of the National Commission for the Homologation of Health Products, Beninese Agency for Pharmaceutical Regulation, Ministry of Health, 2021 to date
- President of the Agriculture, Livestock and Fisheries Commission of the Association for the Development of the Commune of Savalou, 2021 to date
- Director of Projects and Programs of the Federation of National Associations of Traditional Medicine Actors of Benin, 2021 to date
- Head of the International Cooperation Service of the Vice-Rectorate in charge of inter-university cooperation, partnerships and professional integration (VR-CIIP), University of Abomey-Calavi, 2021 to date
- Head of the Distance Education Division at the Centre Autonome de Perfectionnement (CAP) of the Ecole Polytechnique d'Abomey-Calavi (EPAC), University of Abomey-Calavi, Benin, 2019 to date
- Scientific Secretary of the Research Master in Molecular and Medical Microbiology of the Ecole Doctorale Sciences de la Vie et de la Terre of the University of Abomey-Calavi, 2018 to date
- Head of the Advocacy and Human Rights Department, Center for Reflections and Actions for Integrated Development and Solidarity (CeRADIS), 2014-2017
- Researcher at the Applied Biology Research Laboratory (LARBA), Ecole Polytechnique d'Abomey-Calavi (EPAC), University of Abomey-Calavi (UAC), Benin, 2015

## III-PRODUCTION

### 1. Organisation of Conferences and scientific events

- President of the Organizing Committee of the Training of laboratory technicians on the realization of fetotoxicity and membrane permeability tests, financed by the Beninese Center of Scientific Research and Innovation, Ministry of Higher Education and Scientific Research, Benin, 19-23 December 2022
- President of the Organizing Committee of the National Youth Science Camp (Communications, Demonstration Workshops, Innovation and Youth Valorization Competition) on the theme "Innovation for Sustainable Development Goals: what is the role of Beninese youth scientists", 12-14 December 2022
- President of the Organizing and Moderation Committee of the round table during the launch of the certificate in Molecular Epidemiology of Antibiotic Resistance and One Health Approach at the University of Abomey-Calavi, Benin, November 17, 2022
- Organization of the Friday of the Academy, a scholarly and thematic conference of the National Academy of Sciences, Arts and Letters of Benin (ANSALB) under the theme: The problem of environmental pollutants in connection with human health in Benin, 04 November 2022
- Organization of the scholarship and project fair at the University of Abomey-Calavi, from 02 to 03 November 2022
- Organization of training on the Administration of support services in the setting up and administrative and financial management of projects at the University of Abomey-Calavi, from 16 to 18 November 2022
- President of the organizing committee of the departmental Agro-Pastoral Fair of Collines-FODACO, August from 11 to 14 in Savalou 2022
- Chairman of the organization committee of the workshop on the challenges related to the sustainable improvement of the quality of laboratory results in Benin, in the context of antimicrobial resistance and the fight against epidemics in Grand-Popo, September 22 to 23, 2022

- President of the organization committee for the celebration of World Sepsis Day in Grand-Popo, September 24, 2022
- President of the organization committee of the workshop on the use of laboratory results for the prescription of antibiotics in Benin, July 6 to 8, 2022
- President of the organization committee for issue 010 of Minutes des Microbes on "Research and One Health approach in the fight against antimicrobial resistance in Burkina Faso", June 15, 2022
- President of the organization committee for issue 009 of Minutes des Microbes on "Problems of resistance to antibiotics in hospitals: issues and challenges in West Africa", May 16, 2022
- Participation in the implementation workshop of the project "Strengthening expertise and bioinformatics to control antimicrobial resistance in West Africa": mid-term review and planning of remaining activities, May 2 to 7, 2022
- President of the organization committee for issue 008 of Minutes des Microbes on "Probiotics as alternatives to antibiotics in the fight against antimicrobial resistance: study techniques and applications", April 15, 2022
- President of the organization committee for issue 007 of Minutes des Microbes on: "Harmony between the immune system and microorganisms: key to our well-being", March 15, 2022
- Member of the resource mobilization and financial management committee for the organization of the Ruforum triennial conference, October-December 2021
- Member of the ad hoc intellectual committee in charge of the preparatory work for the organization of the international conference on sustainable energy for Africa co-organized by ARSOM and ANSALB, September-November 2021
- Supervisor and Chairman of the Organization Committee for the Training of the third cohort of Biologists to improve the quality of clinical laboratory diagnostics in Benin, as part of the Quality Laboratory Testing-Training Project in Benin 2021-2022, March 21 to 26, 2022
- Supervisor and Chairman of the Organization Committee for the Training of the second cohort of Biologists to improve the quality of clinical laboratory diagnostics in Benin, as part of the Quality Laboratory Testing-Training Project in Benin 2021-2022, March 07 to 12, 2022
- President of the organization committee for issue 006 of Minutes des Microbes on "Alternatives to antibiotics in the fight against antimicrobial resistance: valorization of medicinal plants", February 15, 2022
- President of the organization committee for issue 005 of Minutes des Microbes on "Alternatives to antibiotics in the fight against antimicrobial resistance: Phage therapy, an opportunity", January 15, 2022
- President of the organization committee for issue 004 of Minutes des Microbes on "Impact of Antibiotherapy on the microbiome: Tools, Techniques and Interests in the fight against Antimicrobial Resistance", December 15, 2021
- President of the Organization Committee and Moderator of issue 003 of Minutes des Microbes on "Antimicrobial resistance: Understanding the origin, the state of play and the current challenges in Africa", November 15, 2021
- President of the organization committee for issue 002 of Minutes des Microbes on "The sequencing of microorganisms: Which techniques for which purpose?" », October 15, 2021
- Main trainer of the activity on "Practical and theoretical training of trainers for the improvement of the quality of clinical laboratory diagnostics in Benin, organized by the Finnish and Beninese partners", 8-26 November 2021
- Member of the organization committee of the first issue of Minutes des Microbes on "Sequencing in Africa: State of play and opportunities", September 15, 2021
- Organization of the baseline study on current practices for screening for antimicrobial susceptibility and blood infections, and practices for using laboratory results for the prescription of antibiotics and the treatment of sepsis in Benin, June 1 – July 31, 2021
- Organization of World Sepsis Day, June 25, 2021 Organisation du Webinaire Zoom intitulé : Assurance qualité en Bactériologie, 28 Mai 2021
- Organization of the Zoom Webinar on the Management of Sepsis in Benin: state of play of diagnosis and the use of laboratory results for the prescription of antibiotics, April 15, 2021
- Organization of the COVID19 Buttons Activity! Module, 09 April 2021
- Organization of the online conference on "scientific research in the context of Covid19: challenges and opportunities for young scientists", 05 March 2021
- Organization of the reflection workshop "Pollution of natural ecosystems (soil, water) in urban and rural areas", 21-23 December 2020
- Organization of the reflection workshop on "Modeling as a tool for predicting epidemics and environmental risks in Benin", 26 to 27 December 2019



- Organizer of the reflection workshop on "Environment and infectious diseases: how science can contribute to achieving global goals", 17 to 18 December 2019
- Member of the Organizing Committee of the National Camp for Scientific Youth, December 2019
- Member of the scientific committee during the colloquium entitled "Microbiology Week", May 14-17, 2018
- Trainer associated with "ASM Hands-On Training on Bacteriological diagnosis in a laboratory: techniques and skills", 05-12 March 2018
- Associate trainer at the "ASM Workshop on scientific Writing and Data Analysis", April 15, 2017

## 2. Participation in expert and community service work

Structures	Activities	Year
ES le Faucon	Involvement within the Research Unit in Applied Microbiology and Pharmacology of Natural Substances, in the training of trainees at the Ecole Supérieure Privée le Faucon	2022
EPAC/UAC	Involvement within the Applied Microbiology and Pharmacology of Natural Substances Research Unit, in the organization of national practical exams at the Ecole Polytechnique d'Abomey-Calavi (EPAC)	2022
ED-SVT/UAC	Involvement within the Research Unit in Applied Microbiology and Pharmacology of Natural Substances, in practical work for students of the Master's in Molecular and Medical Microbiology of the Ecole Doctorale Sciences de la Vie et de la Terre, UAC	2022
EPAC/UAC	Involvement within the Applied Microbiology and Pharmacology of Natural Substances Research Unit, in the training of interns at the Ecole Polytechnique d'Abomey-Calavi	2022
ENSBBA/UNSTIM	Involvement in the Applied Microbiology and Pharmacology of Natural Substances Research Unit, in the training of trainees from ENSBBA, UNSTIM	2022
CIFRED/UAC	Involvement in the Applied Microbiology and Pharmacology of Natural Substances Research Unit, in the training of CIFRED trainees, UAC	2022
AJRAM/Future Leader Against	Participation and communication during an online symposium entitled: Engage citizen mobilization of young people in the fight against antimicrobial resistance in Francophone Africa, organized by AJRAM / Future Leader Against AMR	2022
CAMES	Proposal of multiple-choice questions as part of the national phase of the CAMES University Olympiad editions organized on June 15, 2022 on the theme: Cities and Communities open to all, safe, resilient and sustainable.	2022
Nigerian Young Academy	Speaker in Forthcoming Webinar, 25 <sup>th</sup> April 2022	2022
Academy of Sciences for young people of the DR-Congo	External evaluator for the second recruitment session of ASJ-DRC Members	2022
Fondation Ducit Blue	Mentor of Cohort 2 of the Ducit Blue Foundation Antimicrobial resistance (AMR) One-health Pan-African Internship/Mentorship Program	2022
The African Academy of Sciences/African Union	Evaluator of research projects within the framework of the African Research Initiative for Scientific Excellence (ARISE) program	2022
EPAC/UAC	Participation in the organization, development and correction of GCB's EPPs as a controller	2021



EPAC/UAC	Member of the Committee of Experts of the Department of Examinations and Competitions of the Ministry of Higher Education and Scientific Research from April 15 to 30, 2021	2021
Academy of Young Scientists of Cameroon	Certificate of evaluator of application files for entry to CAYS, 2021 session	2021
AFRICA CDC	Abstract review for the International Conference on (Re-) Emerging Infectious Diseases	2020
NFR/RISA	Member of the panel for the review of applications submitted under the 2020 call for the Africa Rapid Relief Fund, Covid-19 Program	2020
UAC	Member of the Ad'Ahoc commission in charge of reflection on the methods of setting up an additional support mechanism for laboratories in order to benefit from the products resulting from their work	2020
Tertiary Education Commission	Member of the abstract evaluation committee for the third edition of National Research Week, 2020	2020
EPAC/UAC	Participation in the reflection seminar as part of the project to transform EPAC into a Center of Excellence with impact on Horizon 2024 from February 06 to 09, 2019	2019
EPAC/UAC	Participation in the various sessions of the work to finalize the reflection seminar as part of the project to transform EPAC into a Center of Excellence with impact on Horizon 2024 from February 11 to 13, 2019 and from March 11 to 14, 2019	2019
EPAC/UAC	Certificate of participation in the Quality Assurance Referential Development Workshop from June 03 to 04, 2019	2019
EPAC/UAC	Certificate of participation in the Workshop to finalize the EPAC self-assessment process according to the CAMES standard from October 08 to 10, 2019	2019

### 3. Efforts to stimulate education and research at the local level

Activities	Year
Animation of a communication on the theme "Mobilization of resources: tools and methods during the fair for scholarships and projects from November 02 to 03, 2022 at the University of Abomey-Calavi	2022
Facilitation of tutorials and practical work as part of the Teaching Unit: "Funding research project / Funding research: responding to a call for tenders" at the Doctoral School of Life and Earth	2021
Facilitation of training on techniques, strategies and mechanisms for mobilizing resources for members of the University Unit for International Relations (CURI)	2021
Animation of a communication on the mobilization of resources in science during the 4th edition of the Fair for Grants and Projects	2021
Participation in missions of the Institute for the Analysis of Communication and Social Groups (INACES-SARL)	2015
Participation in the training of interviewers, data collection, supervision of data entry, development of the processing program and development of the data analysis program in the National Program for the Fight against AIDS (PNLS).	2015
Participation in planning, monitoring and evaluation work for the promotion of hygiene and basic sanitation in the municipality of Tori-Bossito from May 12 to 16, 2014	2014
Participation in data collection activities on the mapping of prostitution sites, hot spots and training workshops for young out-of-school adolescents	2012

#### 4. Major Scientific Publications

1- Melina A. Markkanen, Kaisa Haukka, Katariina M. M. Pärnänen, **Victorien Tamegnon Dougnon**, Isidore Juste O. Bonkougou, Zakaria Garba, Halidou Tinto, Anniina Sarekoski, Antti Karkman, Anu Kantele, Marko P. J. Virtaa. **2023**. Metagenomic Analysis of the Abundance and Composition of Antibiotic Resistance Genes in Hospital Wastewater in Benin, Burkina Faso, and Finland. *mSphere*, **10.1128/msphere.00538-22**

2- Philibert Dougnon, **Victorien Dougnon**, Boris Legba, Kafayath Fabiyi, Arnaud Soha, Hornel Koudokpon, Kevin Sintondji, Esther Deguenon, Gildas Hounmanou, Carlos Quenum, Taératou Aminou, Richard Lokossou, Innocent Togla, Cyrille Boko, Bruno Djossa, Françoise Assogba-komlan, Lamine Baba-moussa. **2023**. Antibiotic profiling of multidrug resistant pathogens in one-day-old chicks imported from Belgium to Benin. *BMC Veterinary Research* (2023) **19:17**, <https://doi.org/10.1186/s12917-023-03570-y>

3- Brice Boris Legba, **Victorien Dougnon**, Hornel Koudokpon, Sointu Mero, Riku Elovainio, Matti Parry, Honoré Bankole and Kaisa Haukka. **2023**. Assessment of blood cultures and antibiotic susceptibility testing for bacterial sepsis diagnosis and utilization of results by clinicians in Benin: A qualitative study. *Front. Public Health* **10:1088590**, doi: **10.3389/fpubh.2022.1088590**

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**5. Travel Grants**

1. Funded by Finnish University Partnership for International Development (UniPID) for a scientific visit to Finland	October, 2019
2. Funded by the Phages for Health Program for training in Kumasi, Ghana	July, 2019
3. Funded by the University of Ghana to attend a leadership training in science	July, 2019
4. Funded by the Academy of Sciences of South Africa to participate in the Symposium on Infectious Diseases in Africa, Durban, South Africa	May, 2019
5. Funded by the Robert Bosch Foundation to participate in the Africa Science Leadership Program 2019 and the Launch of the Future Africa Campus University of Pretoria, South Africa	March, 2019
6. Subsidized by the National Education Committee for a Teaching and Research Mission at the University of Mauritius (Mauritius)	November, 2018
7. Funded by the West African Consortium for Health Research for the 4th Colloquium of the Consortium in Bamako, Mali	October, 2018
8. Subsidized by the Global Youth Academy to participate in the meeting of Academicians in Kenya	September, 2018
9. Funded by the Global Youth Academy to participate in the 'Conference on Sustainable African Cities' in Accra, Ghana	July, 2018
10. Funded by the American Society for Microbiology and the World Academy of Sciences to participate in the Annual Conference of Microbiologists 'Microbe 2018' in Atlanta, USA	June, 2018
11. Subsidized by the World Academy of Sciences to participate in the 24th International Scientific Conference of the Lebanese Association for the Advancement of Sciences in Lebanon and for a scientific stay in Lebanon	May, 2018
12. Subsidized by the Hassan II Academy of Science and Technology will participate in a workshop on "Improving R&D and innovation to create wealth in the African context" in Morocco	March, 2018
13. Funded by the Chemical Weapons Organization to attend the International Course on Medical Aspects of Chemical Weapons Assistance and Protection in China	September, 2017
14. Funded by the Young Affiliate Network of the World Academy of Sciences and the Brazilian Academy of Sciences will participate in the 1st General Meeting of TYAN, Rio, Brazil.	August, 2017
15. Subsidized by the Academy of Sciences of South Africa to participate in the 3rd World Meeting of Academies of Sciences	July, 2017
16. Funded by Lindau to participate in the 67th Lindau Nobel Laureate Meeting, Germany	July, 2017
17. Subsidized by the organizers of Biovision to participate in the 12th Bio-Vision: The World Forum of Life Sciences, Lyon, France	April, 2017
18. Funded by the World Academy of Sciences to participate in the 27th Annual Meeting of the Academy in Rwanda	November, 2016
19. Funded by the Chemical Weapons Organization to participate in the "Regional Workshop on Politics and Diplomacy for Scientists: Introduction to Responsible Research Practices in Chemical and Biological Sciences" in South Africa	October, 2016
20. Funded by the Japan Science and Technology Agency to attend the 13th Annual Meeting of the Japan Science and Technology Agency	September, 2016
21. Funded by GSS Health and Centers for Disease Control and Prevention (Atlanta) to participate in the Biosafety and Biosecurity workshop organized by the Ministry of Health of Benin	May, 2016
22. Granted by the New York Academy of Sciences for Science and Technology in Society to participate in the Future Leaders Program 2015	October, 2015



## IV-LOCAL, NATIONAL AND INTERNATIONAL RECOGNITION

### 1. Honors received

1. Winner of the prestigious Global Sepsis Awards, an award for major contributions to the global fight against sepsis, USD 2500 and a trophy	September, 2022
2. Winner of the Leadership Prize in the organization of the Agro-Pastoral Departmental Fair of the FODACO hills by the Association for the Development of the Commune of Savalou	August, 2022
3. Winner of the Microbiology Society's Unlocking Potential Fund, a £5,000 initiative to help winners progress and reach their full professional potential.	July, 2022
4. Winner of the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) Prize for Young Scientists, 1500 euros	December, 2021
5. Letter of congratulations from the Director of the Polytechnic School of Abomey-Calavi, University of Abomey-Calavi for the leadership in the construction of the Building (Block B) of the Research Unit in Applied Microbiology and Pharmacology of Natural Substances	2021
6. Best Teacher Recognition Certificate, Virtual University for International Relations Lead	2021
7. Winner of the African Leadership Prize in Science by the NGO IFE Africa	2021
8. Winner of the Best Young African Researcher Award from the Egyptian Academy of Science and Technology worth US\$15,000	April, 2021
9. Letter of Congratulations and Encouragement from the Rector of the University of Abomey-Calavi received for having won the Best Young African Researcher Prize awarded by the Egyptian Academy of Sciences and Technologies worth 15,000 US dollars	2021
10. Letter of Congratulations and Encouragement from the Rector of the University of Abomey-Calavi received for winning the ECOWAS Research and Innovation Support Program (PARI) Prize	2021
11. Certificate of Appreciation for Service in the Youth Council of the Ambassador of the United States of America (USA) to Benin by the Ambassador of the United States to Benin	2020
12. Congratulations Letter from the Beninese Section of the West African Society of Chemistry (SOACHIM) for the rank of Assistant Professor	2019
13. 2016 National Youth Leadership Prize awarded by the Youth Advisory Body (OCJ)	January, 2017
14. National Young Scientists Prize 2016 awarded by the World Academy of Sciences	December, 2016

### 2. Grants received for innovative projects funded related to pedagogy or knowledge transfer

1. Local coordinator of the project entitled "Good Hygiene - Improving Skills and Hospital Practices of Healthcare Professionals to Prevent Maternal and Neonatal Infections in Benin funded by ERASMUS-EDU-2022-CBHE-STRAND-2 — Capacity Building in the field of Higher Education: Strand 2 - Partnerships for transformation in higher education	September, 2022
2. Winner of the Global Innovation Network for Teaching and Learning (GINTL) call for projects entitled: Education for sustainable and rational approach to the use of medicinal plants in Benin: co-constructive pedagogical strategy, research, and dissemination of good practices, funded by Finland	September, 2022
3. Local coordinator of the project 'Laboratory testing (AMR and Hygiene) in Benin' funded by the Ministry of Foreign Affairs, Finland	June, 2022
4. Winner of the Call for expressions of interest — 2021 Support for establishments in putting a thousand courses online launched by the Agence Universitaire de la Francophonie and CAMES	June, 2021
5. Local coordinator of the project entitled "Strengthening expertise and bioinformatics to control antimicrobial resistance in West Africa" selected and funded by ERASMUS+ KA2- Cooperation for innovation and the exchange of good practices	August, 2020
6. Local coordinator of the project 'Laboratory testing (AMR and blood culturing) in Benin' funded by the Ministry of Foreign Affairs, Finland	July, 2020
7. Local coordinator of the 'Erasmus+ Global Mobility (ICM)' project funded by the European Union for the mobility of students, academic staff and teachers between the University of Finland and the University of Abomey-Calavi, Benin	June, 2020

8. Coordinator of the Project of Assembly of Open and Massive Online Courses of the Agence Universitaire de la Francophonie (AUF) for obtaining a Certification in Microbiology	July, 2019
9. Young Ambassadors Project Fund granted by the American Society for Microbiology	February, 2018

### 3. Grants received for funded innovative projects related to research

1. Coordinator of the SEEDINGS LABS Project aimed at providing the University of Abomey-Calavi with laboratory equipment worth US\$234,287	December, 2022
2. Project Coordinator for Reducing Antimicrobial Resistance in Imported Eggs and Day-old Chicks, ICARS	2022
3. Member of the Winning Consortium of the Research and Innovation Support Program of the Economic Community of West African States (ECOWAS) 2021, <a href="https://quotidienlapressedujour.com/urmapha-uac/">https://quotidienlapressedujour.com/urmapha-uac/</a>	July, 2022
4. Winner of the Economic Community of West African States (ECOWAS) Research and Innovation Support Program 2020, <a href="https://www.ecowas.int/2020-edition-of-the-ecowas-research-and-innovation-support-programme-pari-dr-victorien-tamegnon-dougnon-receives-a-cash-prize-of-usd-200000-on-behalf-of-his-consortium/">https://www.ecowas.int/2020-edition-of-the-ecowas-research-and-innovation-support-programme-pari-dr-victorien-tamegnon-dougnon-receives-a-cash-prize-of-usd-200000-on-behalf-of-his-consortium/</a>	July, 2021
5. Coordinator of the investigative mission on the assessment of the contamination of Benin's waterways by antibiotic residues, pathogenic microorganisms and metallic trace elements organized by the Laboratory for Environmental Studies and Surveillance, Ministry of Living Environment and Sustainable Development, Benin	2021
6. Coordinator of the investigation mission on the dissemination of bacteria producing beta-lactamases contained in various matrices in Benin organized by the Laboratory for Environmental Studies and Surveillance, Ministry of Living Environment and Sustainable Development, Benin	2020
7. Bootons COVID 19 Project Coordinator! Module, developed by the Smithsonian Science Education Center (SSEC) in collaboration with the World Health Organization (WHO) and the InterAcademy Partnership (IAP)	January, 2021
8. Coordinator of the project entitled "Toxicological and antibacterial activities of the plants traditionally used in West Africa for infectious diarrhea" selected and funded by the World Academy of Sciences and UNESCO	July, 2020
9. Member of the Coordination of the Project financed by the Islamic Development Bank and the World Academy of Sciences ISDB-TWAS entitled « Profiling and Taming Antibiotic Resistant Genes and Antibiotic Chemicals in drinking water for quality life: a Nigeria-Benin Collaboration »	December, 2019
10. Coordinator of the SEEDINGS LABS Project aimed at providing the University of Abomey-Calavi with laboratory equipment worth US\$234,287	December, 2019
11. Local Coordinator of the University of Newcastle's Grand Challenge Project: Solving Local and Global Problem of Mosquitoes	August, 2019
12. Coordinator of the Norwegian local project 'Multidrug resistant gonococcal infections in vulnerable communities: Epidemiology of <i>Neisseria gonorrhoeae</i> among homosexuals, sex workers and drug user communities in Benin'	June, 2019
13. Local Finnish Project Coordinator 'Occurrence, sources and prevention of antimicrobial resistance in West Africa - following the flow of AMR genes between humans, animals and environment	January, 2019
14. Grant from the National Museum of Natural History ("NMNH"), Smithsonian Institution, located at 10th Floor and Constitution Ave, NW, Washington, DC 20013, USA, to organize an event titled "Epidemics in a Connected World " in Benin	August, 2018
15. Grant from the American Society for Microbiology to prepare the first edition of the microbiology week	May, 2018
16. Scientific Exchange Scholarship called "TYAN Collaborative Grant Award program" granted by the World Academy of Sciences	February, 2018
17. Young Ambassadors Project Fund granted by the American Society for Microbiology	July, 2018

18. Principal Investigator of the Project funded in the form of equipment donations by the World Academy of Sciences and UNESCO entitled: « Multiresistant strains of <i>Salmonella spp</i> in slaughter animals: prevalence, molecular characterization and proposition of therapeutic formulations based on traditional Beninese plants»	December, 2016
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## V- SOCIETIES MEMBERSHIP

- Active member of the Beninese Society of Infectious and Tropical Pathology (SOBEPIT)
- Active member of the American Society for Microbiology (Young Ambassador of the Society in Benin from 2016 to 2019 and Country Ambassador since 2019)
- Young Affiliate to the World Academy of Sciences (TWAS)
- Rapporteur of the Climate and Environment Standing Committee of the National Academy of Sciences, Arts and Letters of Benin (ANSALB)
- Member of the Global Young Academy
- Member of the Academy of Young Scientists of Benin
- Active member of the International Association for Ecology and Health
- Consultant at the National Institute of Analysis, Communication and Social Groups (INACESS)

## VI-ARTICLES FOR BLOGS WRITTEN

- **17 May 2022** - The sorcerer of the invisible, the friend of microbes: the microbiologist in Benin, a road made of passion and sacrifices: [https://microbiologysociety.org/resource\\_library/knowledge-search/the-sorcerer-of-the-invisible-the-friend-of-microbes-the-microbiologist-in-benin-a-road-made-of-passion-and-sacrifices.html](https://microbiologysociety.org/resource_library/knowledge-search/the-sorcerer-of-the-invisible-the-friend-of-microbes-the-microbiologist-in-benin-a-road-made-of-passion-and-sacrifices.html)

- **22 April 2022** - Celebration of excellence in research in Benin: <https://microbiologysociety.org/blog/celebration-of-excellence-in-research-in-benin.html>

- **07 October 2021** - Sequencing in West Africa: 75 researchers strengthened through the first edition of 'Microbes Minutes': <https://microbiologysociety.org/blog/sequencing-in-west-africa-75-researchers-strengthened-through-the-first-edition-of-microbes-minutes.html>

- **02 August 2021**- Improving biological diagnosis in Africa: Quality Assurance in Bacteriology: <https://microbiologysociety.org/blog/improving-biological-diagnosis-in-africa-quality-assurance-in-bacteriology.html>

- **13 July 2021** - Sepsis control in West Africa: Benin celebrates World Sepsis Day: <https://microbiologysociety.org/blog/sepsis-control-in-west-africa-benin-celebrates-world-sepsis-day.html>

- **08 June 2021** - Sepsis in Benin: diagnosis and management: <https://microbiologysociety.org/blog/sepsis-in-benin-diagnosis-and-management.html>

- **10 May 2021** - Combatting antimicrobial resistance in Benin: <https://microbiologysociety.org/blog/combating-antimicrobial-resistance-in-benin.html>

- <https://devpost.com/software/moscato-for-mosquitoes>

- <https://www.lindau-nobel.org/de/blog-being-a-lecturer-in-benin/>

- <https://seedinglabs.org/2021/07/obstacles-to-opportunities/>

## REFERENCES

1. Brice Augustin SINSIN. Full Professor of Conservation of Natural Resources, Director of the Laboratory of Applied Ecology (LEA), Faculty of Agronomic Sciences, University of Abomey-Calavi, Benin, [bsinsin@gmail.com](mailto:bsinsin@gmail.com), Tél. 00 229 97 01 61 36

2. Honoré S. BANKOLE, Full Professor of Microbiology, Head of the Department of Diagnostic Explorations, Department of Pharmacies, Diagnostic Explorations and Medicines, Ministry of Health, Benin, [bahosour@yahoo.fr](mailto:bahosour@yahoo.fr), Tél. 00 229 97 87 27 44

3. Phyllis ADDO, Full Professor of Pharmacology, Department of Animal Experiments, Noguchi Memorial Institute for Medical Research, University of Legon, Ghana, [paddo@noguchi.ug.edu.gh](mailto:paddo@noguchi.ug.edu.gh), [adokaley.pa@gmail.com](mailto:adokaley.pa@gmail.com), [adokaley@yahoo.com](mailto:adokaley@yahoo.com), Tél. 00 233 26 458 6937.

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