

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**
- 4- Khaled El Khatib, Ribal Aby Hadeer, Anis Saad, Aline Kalaydjian, Elie Fayad, Youssef Mahfouz, **Victorien Dougnon**, Ziad Daoud, Roula M. Abdel-Massih. **2022**. Determination of MIC, MPC, and MSW of *Ilex paraguariensis* against non-typhoidal *Salmonella* with identification of the mechanisms of resistance and pathogenicity factors. **Microbial Pathogenesis, 174 (2023) 105905**
- 5- Alidehou Jerrold Agbankpe, Sylvain D. Kougblenou, **Tamegnon Victorien Dougnon**, Alida Oussou, Elodie Gbotche, Charles Hornel Koudokpon, Brice Boris Legba, Lamine Baba-Moussa and Honore Sourou Bankole. **2022**. Prevalence and Antimicrobial Resistance of *Campylobacter coli* and *Campylobacter jejuni* Isolated from Pig Guts, Pig Feces, and Surface Swabs from the Cutting Tables at Slaughterhouse and Taverns in Southern Benin. **International Journal of Microbiology, Volume 2022, Article ID 5120678, 9 pages**, <https://doi.org/10.1155/2022/5120678>
- 6- Aemere Ogunlaja, Olumuyiwa O. Ogunlaja, Olumide D. Olukanni, Kemi Taylor, Chidinma G. Olorunnisola, **Victorien T. Dougnon**, Wassiyath Mousse, Despo Fatta-Kassinou, Titus A. M. Msagati, Emmanuel I. Unuabonah. **2022**. Antibiotic resistomes and their chemical residues in aquatic environments in Africa. *Environmental Pollution*, **119783**, <https://doi.org/10.1016/j.envpol.2022.119783>
- 7- Esther Deguenon, **Victorien Dougnon**, Vincentia Marie Camille Houssou, Elodie Gbotche, Richard Adjovi Ahoyo, Kafayath Fabiyi, Jerrold Agbankpe, Wassiyath Mousse, Christelle Lougbegnon, Jean Robert Klotoe, Fidele Tchobo, Honoré Bankole, Michel Boko. **2022**. Hospital effluents as sources of antibiotics residues, resistant bacteria and heavy metals in Benin. **SN Applied Sciences (2022) 4:206**, <https://doi.org/10.1007/s42452-022-05095-9>
- 8- Brice Armand Fanou, Jean Robert Klotoe, **Victorien Dougnon**, Phénix Assogba, Eric Agbodjento1, Charles Hornel Koudokpon, Lauris Fah, Kévin Sintondji, Rodrigue Kpoze and Frédéric Loko. **2022**. Efficacy of Extracts of *Cyanthillium Cinereum*, *Khaya senegalensis* and *Lippia multiflora* on *Candida* Strains Isolated From Urine Samples in Benin (West Africa). **Frontiers in Tropical Diseases, 3:890296**, doi: [10.3389/fitd.2022.890296](https://doi.org/10.3389/fitd.2022.890296)

9- Edna Hounsa, **Tamegnon Victorien Dougnon**, Alidehou Jerrold Agbankpe, Phenix Assogba, Charles Hornel Koudokpon, Jean-Robert Klotoe, Rachida Tari Moussa, Eric Agbodjento, Kafayath Fabiyi, Esther Deguenon, Honore Sourou Bankole and Aboudoulatif Diallo. **2022**. Fetotoxicity and Subacute Toxicity of Some Plants Involved in the Treatment of Infectious Diarrhea in Benin. **Frontiers in Tropical Diseases**, **3**:868645, [doi: 10.3389/fitd.2022.868645](https://doi.org/10.3389/fitd.2022.868645)

10- Ferdinand Adoukpe, Aimé Cézaire Ayena, Viridiane Aholoukpe, **Victorien Dougnon**, Jean-Robert Klotoe, Marc Medehouenou and Lamine Baba-Moussa. **2022**. Use of the leaves of *Alchornea cordifolia* (Schumach. & Thonn.) Müll (Euphorbiaceae) and prospects for treatment of infections due to multidrug-resistant bacteria. **Bulletin of the National Research Centre**, **46(132) : 1-7**.

11- Jijoho Michel Agbla, Mathew D. Esona, Jose Jaimes, Rashi Gautam, Alidehou Jerrold Agbankpe, Eric Katz, **Tamegnon Victorien Dougnon**, Annick Capo-Chichi, Nafissatou Ouedraogo, Ossen Razack, Honore Sourou Bankole, Michael D. Bowen. **2022**. Whole genome analysis of rotavirus strains circulating in Benin before vaccine introduction, 2016–2018. **Virus Research**, **Volume 313**, May 2022, 198715, <https://doi.org/10.1016/j.virusres.2022.198715>

12- **Victorien Dougnon**, Edna Hounsa, Eric Agbodjento, Lunga Paul Keilah, Brice Boris Legba, Kevin Sintondji, Anny Afaton, Jean Robert Klotoe, Lamine Baba-Moussa, Honoré Bankole. **2021**. Percentage Destabilization Effect of Some West African Medicinal Plants on the Outer Membrane of Various Bacteria Involved in Infectious Diarrhea. **BioMed Research International**, **Volume 2021**, Article ID 4134713, 12 pages, <https://doi.org/10.1155/2021/4134713>

13- Oloufemi Daniel Ichola, **Victorien Tamègnon Dougnon**, Charles Hornel Koudokpon, Alidehou Jerrold Agbankpe, Esther Deguenon, Aime Cezaire Ayena, Henri Houenoukpo Soclo. **2021**. Assessment of the Bacterial Pollution and Detection of Antibiotic Resistance Genes in Benin: Case of the Hydrographic Channel Complex Cotonou-Nokoue Lake. **Journal of Environmental and Public Health**, Volume 2021, Article ID 6664816, 8 pages, <https://doi.org/10.1155/2021/6664816>

14- **Victorien Dougnon**, Edna Hounsa, Hornel Koudokpon, Eric Agbodjento, Anny Afaton, Kevin Sintondji, Jean Robert Klotoe, Julien Segbo and Lamine Baba-Moussa. **2021**. Assessment of the antibacterial effect of *Khaya senegalensis* on some Gram-negative bacteria. **Bulletin of the National Research Centre**, **45:107**, <https://doi.org/10.1186/s42269-021-00568-0>

15- **Tamègnon Victorien Dougnon**, Edna Hounsa, Eric Agbodjento, Hornel Koudokpon, Boris Legba, Kafayath Fabiyi, Anny Afaton, Kévin Sintondji, Benoît Akpode, Jean Robert Klotoé, Fidèle Tchobo, Honoré Bankole, Tossou Jacques Dougnon. **2021**. Toxicological Characterization of Ten Medicinal Plants of the Beninese Flora Used in the Traditional Treatment of Diarrheal Diseases. **Evidence-Based Complementary and Alternative Medicine**, **Volume 2021**, Article ID 6676904, 13 pages, <https://doi.org/10.1155/2021/6676904>

16- **Victorien Dougnon**, Phénix Assogba, Nanoukon C. Chimène Nanoukon, Esther Deguenon, Mohammed Jibril, Hermione Agoundote, Jerrold Agbankpe, Kafayath Fabiyi, Lamine Baba-Moussa, Jacques Dougnon. **2021**. Antimicrobial resistant bacteria in poultry excrement sold as manure in local markets in Benin. **Environmental Sustainability**. <https://doi.org/10.1007/s42398-021-00171-z>

17- Eric Agbodjento, Jean Robert Klotoé, **Tamègnon Victorien Dougnon**, Téniola Isabelle Sacramento, Tossou Jacques Dougnon, Jean-Marc Atègbo. **2021**. Effect of *Rourea coccinea* on ethanol-induced male infertility in Wistar albino rats. **Andrologia**, **00:e14047**. <https://doi.org/10.1111/and.14047>

18- Victorien Dougnon, Vincentia Marie Camille Houssou, Eugénie Anago, Chimène Nanoukon, Jibril Mohammed, Jerrold Agbankpe, Hornel Koudokpon, Birikissou Bouraima, Esther Deguenon, Kafayath Fabiyi, Marie Hidjo, Fidélia Djegui, Lamine Baba-Moussa, Martin Pépin Aïna. **2020**. Assessment of the Presence of Resistance Genes Detected from the Environment and Selected Food Products in Benin. **Journal of Environmental and Public Health**, Article ID 8420590, 10 pages, <https://doi.org/10.1155/2021/8420590>

19- E. Agbodjento, J. R. Klotoé, T. I. Sacramento, **T. V. Dougnon**, E. Déguénon, J. Agbankpe, K. Fabiyi, P. Assogba, M.-P. Hounkanrin, R. Akotegnon, T. J. Dougnon, and J.-M. Atégbo. **2020**. Larval Cytotoxic and Subacute Toxicity of *Gardenia ternifolia*, *Rourea coccinea*, and *Cassytha filiformis* Used in Traditional Medicine of Benin (West Africa). *Journal of Toxicology*, Volume 2020, Article ID 8843575, 11 pages, <https://doi.org/10.1155/2020/8843575>

20- Jijoho Michel Agbla, Mathew D. Esona, Alidehou Jerrold Agbankpe, Annick Capo-Chichi, Rashi Gautam, **Tamegnon Victorien Dougnon**, Osseni Razack, Michael D. Bowen and Honore Sourou Bankole. **2020**. Molecular characteristics of rotavirus genotypes circulating in the south of Benin, 2016–2018. **BMC Research Notes**, 13:485, <https://doi.org/10.1186/s13104-020-05332-7>

21- Brice Armand Fanou, Jean Robert Klotoe, Lauris Fah, **Victorien Dougnon**, Charles Hornel Koudokpon, Ghislaine Toko and Frédéric Loko. **2020**. Ethnobotanical survey on plants used in the treatment of candidiasis in traditional markets of southern Benin. **BMC Complementary Medicine and Therapies**, 20:288, <https://doi.org/10.1186/s12906-020-03080-6>

22- Wassiyath Mousse, Haziz Sina, **Victorien T. Dougnon**, François Azonwade, Pacome A. Noumavo, Nadege A. Agbodjato, Sylvestre Assogba, Farid Baba-Moussa, Adolphe Adjanohoun, Lamine Baba-Moussa. **2020**. Toxin production and antibiotic resistance of *Staphylococcus aureus* strains isolated from market gardening products and their irrigation water in Cotonou, Benin. **Journal of Agriculture and Food Research**, 2(100063):1-7, <https://doi.org/10.1016/j.jafr.2020.100063>

23- Togbemabou Primous Martial Godjedo, Alidehou Jerrold Agbankpe, Moussiliou Noel Paraiso, **Tamegnon Victorien Dougnon**, Marie Hidjo, Lamine Baba-Moussa and Honore Bankole. **2020**. Epidemiological Characteristics of Meningococcal Meningitis (2016 to 2018) Four Years after the Introduction of Serogroup A Meningococcal Conjugate Vaccine in Benin. **Advances in Public Health**, Volume 2020, Article ID 1932940, 7 pages, <https://doi.org/10.1155/2020/1932940>

24- Yêyinou Laura Estelle Loko, Sédami Medegan Fagla, Parfait Kassa, Coffi Ayidé Ahouansou, Joelle Toffa, Bienvenu Glinma, **Victorien Dougnon**, Omédine Koukoui, Salako Luc Djogbenou, Manuele Tamò, Fernand Gbaguidi. **2020**. Bioactivity of essential oils of *Cymbopogon citratus* (DC) Stapf and *Cymbopogon nardus* (L.) W. Watson from Benin against *Dinoderus porcellus* Lesne (Coleoptera: Bostrichidae) infesting yam chips. **International Journal of Tropical Insect Science**, Online First, <https://doi.org/10.1007/s42690-020-00235-3>

25- Sabine Ninelle Nga Ombede, **Victorien Dougnon**, Hornel Koudokpon, Esther Deguenon, Rajeunie Pernelle Jaelle Mindzie Ngomo, Carine Tchibozo, Jean Pierre Gnimatin, François Tchoumboungang, Anges Yadouleton and Jacques Dougnon. **2020**. Antimicrobial resistance and toxigenic profiles of bacteria isolated from tropical shrimps (*Farfantepenaeus notialis* and *Penaeus monodon*) in Cameroun. **BMC Research Notes**, 13:358, <https://doi.org/10.1186/s13104-020-05184-1>

26- Eric Agbodjento, Jean Robert Klotoé, Téniola Isabelle Sacramento, **Victorien Dougnon**, Frontenel Lopez Tchabi, Esther Déguénon, Jean-Marc Atégbo. **2020**. Ethnobotanical knowledge of medicinal plants used in the treatment of male infertility in Southern Benin. **Advances in Traditional Medicine**, Online First, <https://doi.org/10.1007/s13596-020-00473-3>

27- Sylvain Daton Kouglénou, Alidehou Jerrold Agbankpe, **Victorien Dougnon**, Armando Djiyou Djeuda, Esther Deguenon, Marie Hidjo, Lamine Baba-Moussa and Honore Bankole. 2020. Prevalence and susceptibility to antibiotics from *Campylobacter jejuni* and *Campylobacter coli* isolated from chicken meat in southern Benin, West Africa. **BMC Research Notes**, **13:305**, <https://doi.org/10.1186/s13104-020-05150-x>

28- Boris Legba, **Victorien Dougnon**, Yossounon Chabi, Carène Gbaguidi, Alidah Aniambossou, Esther Deguenon, Jacques Dougnon, Marc Kpodekon and Lamine Baba-Moussa. 2020. Evaluation of *in-vivo* anti-*Salmonella* activity of *Uvaria chamae*, *Lantana camara* and *Phyllanthus amarus* used in Benin, West-Africa. **BMC Veterinary Research**, **16(49):1-18**, <https://doi.org/10.1186/s12917-020-2266-1>

29- Sylvain Daton Kouglénou, Alidéhou Jerrold Agbankpé, Justin Gbèssohélé Béhanzin, **Tamègnon Victorien Dougnon**, Alidah Victonie Aniambossou, Lamine Baba-Moussa, and Honoré Sourou Bankolé. 2019. Microbiological Safety of Leafy Vegetables Produced at Houeyiho and Sèmè-Kpodji Vegetable Farms in Southern Benin: Risk Factors for *Campylobacter spp.* **International Journal of Food Science**, Article ID 8942608, 8 pages, <https://doi.org/10.1155/2019/8942608>

30- Alidehou Jerrold Agbankpe, **Tamegnon Victorien Dougnon**, Roubaya Balarabe, Esther Deguenon and Lamine Baba-Moussa. 2019. *In vitro* assessment of antibacterial activity from *Lactobacillus spp.* strains against virulent *Salmonella* species isolated from slaughter animals in Benin. **Veterinary World**, **12 (12): 1951-1958**.

31- **Victorien Dougnon**, Hornel Koudokpon, Yaovi M.G. Hounmanou, Simon Azonbakin, Kafayath Fabiyi, Alida Oussou, Ida Codjia, Angèle Ahoyo, Lamine Baba-Moussa, Honoré Bankolé. 2019. High Prevalence of Multidrug-Resistant Bacteria in the Centre Hospitalier et Universitaire de la Mère et de l'Enfant Lagune (CHU-MEL) Reveals Implications of Poor Hygiene Practices in Healthcare. **SN Comprehensive Clinical Medicine**, **1:1029–1037**, <https://doi.org/10.1007/s42399-019-00149-3>

32- Déguénon Esther, **Dougnon Victorien**, Lozès Evelyne, Maman Nana, Agbankpè Jerrold, Abdel-Massih M. Roula, Djègui Fidélia, Baba-Moussa Lamine, Dougnon Jacques. 2019. Resistance and virulence determinants of faecal *Salmonella spp.* isolated from slaughter animals in Benin. **BMC Research Notes**, **12:317**, <https://doi.org/10.1186/s13104-019-4341-x>, <https://www.springer.com/biomed/journal/13104>

33- Lègba Boris, **Dougnon Victorien**, Déguénon Esther, Agbankpé Jerrold, Sènou Maximin, Aniambossou Alidah, Gbaguidi Carène, Sintondji Kevin, Baba-Moussa Lamine, Dougnon Jacques. 2019. Toxicological characterization of six plants of the Beninese pharmacopoeia used in the treatment of salmonellosis. **Journal of Toxicology**, Article ID 3530659, 12 pages, <https://doi.org/10.1155/2019/3530659>, <https://www.hindawi.com/journals/jt/2019/3530659/cta/>.

34- Yaovi M. Hounmanou, Robinson H. Mdegela, **Tamegnon V. Dougnon**, Henry Madsen, Jeffrey H. Withey, John E. Olsen and Anders Dalsgaard. 2019. Tilapia (*Oreochromis niloticus*) as a putative reservoir host for survival and transmission of *Vibrio cholerae* O1 biotype El Tor in the aquatic environment. **Frontiers in Microbiology**, **10:901**. doi: 10.3389/fmicb.2019.00901, <https://www.frontiersin.org/articles/10.3389/fmicb.2019.01215/abstract>.

35- Yaovi M. Gildas Hounmanou, Pimlapas Leekitcharoenphon, Rene S. Hendriksen, **Tamegnon V. Dougnon**, Robinson H. Mdegela, John E. Olsen, Anders Dalsgaard. 2019. *Surveillance and Genomics of Toxigenic Vibrio cholerae O1 From Fish, Phytoplankton and Water in Lake Victoria, Tanzania*. **Frontiers in Microbiology**, **10:901**. doi: 10.3389/fmicb.2019.00901, <https://www.frontiersin.org/articles/10.3389/fmicb.2019.00901/full>

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37- H. Koudokpon, N. Armstrong, **T. V. Dougnon**, L. Fah, E. Hounsa, H. S. Bankolé, F. Loko, E. Chabrière, J. M. Rolain. **2018**. *Antibacterial Activity of Chalcone and Dihydrochalcone Compounds from Uvaria chamae Roots against Multidrug-Resistant Bacteria*. **BioMed Research International**, Volume 2018, Article ID 1453173, 10 pages, <https://doi.org/10.1155/2018/1453173>, <https://www.hindawi.com/journals/bmri/>

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39- Jijoho Mischaël Michel Agbla, Annick Capo-Chichi, Alidéhou Jerrold Agbankpé, **Tamègnon Victorien Dougnon**, Anges William M. Yadouleton, Olivia Hounbégnon, Clément Glele-Kakai, George Enyimah Armah, Honoré Bankolé. **2018**. *Epidemiological survey of rotaviruses responsible for infantile diarrhea by the immunomolecular technique in Cotonou (Benin, West Africa)*. **International Journal of Microbiology**, Article ID 3602967, 7 pages, <https://www.ncbi.nlm.nih.gov/pubmed/?term=International+Journal+of+Microbiology>.

40- François Ezin Azonwade, Armand Paraïso, Cokou P. Agbangnan Dossa, **Victorien T. Dougnon**, Christine N’tcha, Wassiyath Mousse, and Lamine Baba-Moussa. **2018**. *Physicochemical characteristics and microbiological quality of honey produced in Benin*. **Journal of Food Quality**, Article ID 1896057, 13 pages, <https://doi.org/10.1155/2018/1896057>, <https://onlinelibrary.wiley.com/journal/17454557>

41- **T. V. Dougnon**, E. Déguénon, L. Fah, B. Lègba, Y. M. G. Hounmanou, J. Agbankpè, A. Amadou, H. Koudokpon, K. Fabiyi, A. Aniambossou, P. Assogba, E. Hounsa, M. de Souza, F. Avlessi, T. J. Dougnon, F. Gbaguidi, M. Boko, H. S. Bankolé, L. Baba-Moussa. **2017**. *Traditional treatment of human and animal salmonellosis in Southern Benin: Knowledge of farmers and traditherapists*. **Veterinary World**, **10(6)**: 580-592, <https://www.ncbi.nlm.nih.gov/pubmed/?term=dougnon+salmonellosis>.

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