

CURRICULUM VITAE

BIODATA

- a. Name: IYEKHOETIN MATTHEW OMORUYI
- b. Date of birth: 3rd February, 1985
- Place of birth: Benin City, Edo State, Nigeria.
- c. Marital status: Married
- d. Nationality: Nigerian
- e. Permanent home address: 21 Gab-Omoruyi Street, Off RCC Road, Ikhueniro, Benin City, Edo State, Nigeria.
- f. Current postal address: 4 Iyamu Street, Off E.D.P.A. Housing Estate, Ikpoba-Hill, Benin City, Edo State, Nigeria.
- g. Email address: iomoruyi@biu.edu.ng
matthewomoruyi0472@gmail.com
- h. Phone number: 08062764607; 07085834386
- i. Current Position: Lecturer I
- j. Position being considered for: Senior Lecturer

ACADEMIC QUALIFICATIONS

Degrees (with dates and granting bodies)

- i. **Ph.D.** Molecular Microbiology and Toxicology
University of Helsinki, Finland. **November 2015.**
- ii. **M.Sc.** Environmental/Public Health Microbiology,
University of Benin, Nigeria. **October 2011.**
- iii. **B.Sc.** Microbiology (*First Class Hons.*),
Benson Idahosa University, Nigeria. **June, 2007.**

PROFESSIONAL/OTHER QUALIFICATIONS

- i. *Molecular methods applied for studies of epidemiology of food and water-borne pathogens and antimicrobial resistance mechanisms* ,
University of Helsinki, Finland **March, 2015.**
- ii. *Food Toxicology and Risk Assessment*
University of Helsinki, Finland **March, 2014.**
- iii. *Nutritional and Environmental Toxicology*

- University of Eastern Finland, Kuopio** **March, 2013.**

iv. *Toxicological Risk Assessment*

Wageningen University, The Netherlands **October, 2012.**

v. *Molecular Methods for the detection of Food borne pathogens*

University of Helsinki, Finland **March, 2012.**

vi. *Professional certificate in Project Management*

CUPE limited, England. **June, 2011.**

RESEARCH GRANTS RECEIVED

- i. African Academies Diaspora Fellows Program

Inter Academy Partnership, February, 2018 **(\$5,000)**

I was the General Secretary of the Executive Council that won this grant on behalf of the Nigerian Young Academy
- ii. African Academies Diaspora Fellows Program Supplementary Fund

Inter Academy Partnership, October, 2018 **(\$5,000)**

I was the General Secretary of the Executive Council that won this grant on behalf of the Nigerian Young Academy
- iii. Mutagenicity and cytotoxicity studies of processed food items and ready-to-eat snacks in Finland. **(May to December 2013)**

Walter Ehrström Foundation, Finland **(3,000 Euros)**
- iv. Genotoxicity and endocrine disrupting potential of commercially processed food items and ready-to-eat snacks in Finland. **(January to December 2012)**

Research Foundation of the Uni. of Helsinki, Finland **(21,000 Euros)**

GRANTS APPLIED FOR SINCE MY LAST PROMOTION

- 1. Potential of the African catfish (*Clarias gariepinus*) as a model for the detection of endocrine disrupting chemicals **(March, 2018, \$5,000; Unsuccessful).**

British Ecological Society
- 2. Prevalence, Clonal lineage and Molecular Epidemiology of Health Care Associated Methicillin Resistant *Staphylococcus aureus* (MRSA), Isolated from Tertiary Health Care Facilities in Nigeria **(May, 2018, \$5,000; Unsuccessful)**

International Society for Infectious Diseases
- 3. **GRC Carl Storm International Diversity Travel Award (May, 2018; 2,000 Euros; Received)**

TRAVEL GRANTS RECEIVED

- i. **GRC Carl Storm International Diversity Travel Award (2,000 Euros, 2018)**
Travel award, to attend and lead a plenary session in the Gordon Research Conference on Endocrine Disrupting Chemicals, Switzerland.
- ii. **Doctoral Programme in Food Chain and Health, University of Helsinki, Finland, (1,000 Euros, 2014)**
Travel award to attend and make a postal presentation at the 50th Congress of the European Societies of Toxicology in Edinburg, Scotland
- iii. **SOT/AstraZeneca/SOT Endowment Fund Travel Award (\$2,000, 2014)**
Travel award to attend and make a postal presentation at the 53rd Annual conference of the Society of Toxicology, Phoenix, Arizona, United States of America.
- iv. **Swiss Society of Toxicology, Switzerland (750 Euros, 2013)**
Travel award, to attend and make a postal presentation at the 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland.
- v. **Chancellor of the University of Helsinki, Finland Travel Grant (1,000 Euros, 2013)**
Travel award, to attend and make a postal presentation at the 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland.

TEACHING AND PROFESSIONAL EXPERIENCE:

Employment/professional experience

- i. **Oct. 2017 - Sept. 2020:** Lecturer I, Department of Biological Sciences, Faculty of Science, **Benson Idahosa University, Benin City, Edo State, Nigeria.**
- ii. **Oct. 2014 – Sept. 2017:** Lecturer II, Department of Basic Sciences, Faculty of Science, **Benson Idahosa University, Benin City, Edo State, Nigeria.**
- iii. **Oct. 2011 – Sept. 2014:** Assistant Lecturer, Department of Basic Sciences, Faculty of Science, **Benson Idahosa University, Nigeria.**
- iv. **Dec. 2008 – Sep. 2011:** Graduate Assistant, Department of Basic Sciences, Faculty of Science, **Benson Idahosa University, Nigeria.**

Postgraduate Courses Taught

MCB 814: Advanced Bacteriology; **MCB 812:** Advanced Molecular Biology/Biotechnology;
MCB 811: Advanced General Microbiology; **MCB 813:** Advanced Environmental

Microbiology; **MCB 822:** Advanced Microbial Physiology and Biochemistry; **MCB 824:** Advanced Toxicology

Undergraduate Courses Taught

MCB 424: Introduction to Biotechnology; **MCB 423:** Virology; **MCB 422:** Medical Microbiology; **MCB 417:** Immunology; **MCB 415:** Environmental Microbiology; **MCB 413:** Antimicrobial Agents and Principles of Chemotherapy; **MCB 412:** Toxicology; **MCB 313:** Research Methodology and Scientific Writing; **MCB 312:** Microbial Physiology and Biochemistry

Postgraduate Students' Supervision

Completed (Full supervision):	05
Completed (co-supervision):	01
Ongoing (Full supervision):	04
Ongoing (Co-supervision):	Nil

Undergraduate Supervision

Completed:	22
Ongoing:	03

CONFERENCES/WORKSHOPS ATTENDED

- i. **Facilitator:** A 2-day Hands on Training Workshop in Molecular Biology, Department of Biological Sciences, Faculty of Science, **Benson Idahosa University, Nigeria.** February, 2019.
- ii. **Facilitator:** Antiplagiarism Workshop, African University of Science and Technology, **FCT Abuja, Nigeria.** 11th December, 2018.
- iii. 14th Annual Meeting of the African Science Academies, **Cotonou, Benin Republic.** 13-14th November, 2018.
- iv. Grantmanship Training Workshop, **Edo State Polytechnic Usen, Edo State, Nigeria.** 20th - 21st August, 2018.
- v. 8th National Conference of the Nigerian Young Academy, **University of Medical Sciences, Ondo city, Ondo State, Nigeria.** 23rd - 25th August, 2018
- vi. 7th National Conference of the Nigerian Young Academy, **Federal University of Petroleum Resources, Effurun, Warri, Delta State, Nigeria.** 7th - 9th August, 2017

- vii. 6th National conference of the Nigerian Young Academy, **Sheraton Hotel and Tower, Lagos State, Nigeria**. August, 2016
- viii. 3rd International Conference of the West African Society of Toxicology, **Benin City, Edo State, Nigeria**. February 6th to 10th 2016.
- ix. 50th Congress of the European Societies of Toxicology, **United Kingdom**. September 7th – 10th 2014.
- x. 53rd Annual conference of the Society of Toxicology, **USA**. March 23rd – 27th 2014.
- xi. 49th Congress of the European Societies of Toxicology, **Switzerland**. September 1st – 4th 2013.
- xii. 48th Congress of the European Societies of Toxicology, **Sweden**. June 17th – 20th 2012.

PAPERS PRESENTED IN SCIENTIFIC CONFERENCES

- i. Oestrogen in Nigerian environment: What is the way forward? 3rd International Conference of the West African Society of Toxicology. **Feb. 2016, Benin City, Edo State, Nigeria**. Oral presentation
- ii. Dietary exposure of Nigerians to mutagens and estrogen-like chemicals. 50th Congress of the European Societies of Toxicology. **Sept. 2014, Edinburgh, Scotland, United Kingdom**. Postal presentation
- iii. Xenoestrogens in your diet? 53rd Annual conference of the Society of Toxicology. **March 2014, Phoenix, Arizona, United States of America**. Postal presentation
- iv. Mutagenicity studies of processed food items and ready-to-eat snacks in Finland. 49th Congress of the European Societies of Toxicology. **Sept. 2013, Interlaken, Switzerland**. Postal presentation

PUBLICATIONS/CREATIVE WORKS

BOOKS

- i. **Omoruyi, I.M.** (2011). The Microbiology and Mutagenicity Evaluation of Hospital Wastewaters: A Major Challenge for Developing Nations. Lambert Academic Publishing Company, Germany. Pp. 144. ISBN: 978-3-8443-2426-6.

JOURNAL ARTICLES

- 1. Odjadjare, E.E.O., Okhuebor, S.O., Igbinsosa, E.O., **Omoruyi, I.M.**, Uzoekwe, S.A. and Okoh, A.I. (2020). Petroleum degrading potentials and catabolic gene detection in

Pseudomonas aeruginosa and *Serratia rubidaea* isolated from petroleum refinery wastewater sludge. Scientific African. Submitted.

2. Nwinyi, O.C., Awosanya, E.J., Uyi, O., Oyeyemi, I.T., Ugbenyen, A.M., Muhammad, A., Alabi, O.A., Ekwunife, O.I., Adetunji, C.O. and **Omoruyi, I.M.** (2020). Review of drinking water quality in Nigeria: Towards attaining the sustainable development goal six. Annals of Science and Technology. Accepted.
3. **Omoruyi, I.M.**, Obodo, I.C., Obukohwo, E.O. and Otoide, F.E. (2020). Virulent gene detection and antibiogram profile of methicillin resistant *Staphylococcus aureus* isolated from birds of a poultry farm. Ife Journal of Science. 22(2): 45-55.
4. **Omoruyi, I.M.**, Emmanuel, J., Obodo, I.C. and Odjadjare, E.E.O. (2020). Antibiotics susceptibility profile and distribution of pathogenic and toxigenic genes in methicillin resistant strains of *Staphylococcus aureus* isolated from abattoir facilities in Benin City, Nigeria. Benson Idahosa University Journal of Basic and Applied Sciences. 5(1):1-14.
5. **Omoruyi, I.M.**, Hokkanen, M. and Pohjanvirta, R. (2020). Polycyclic Aromatic Hydrocarbons (PAHS) in select commercially processed meat and fish products in Finland and the mutagenic potential of these food items. Polycyclic Aromatic Compounds. 40(4): 927-933.
6. Mahiout, S., Tagliabue, S.G., Nasri, A., **Omoruyi, I.M.**, Pettersson, L., Bonati, L. and Pohjanvirta, R. (2018). *In vitro* toxicity and *in silico* docking analysis of two novel selective AH receptor modulators. Toxicology in Vitro. 52: 178-188.
7. Igbinsola, V.A., Emokhare, B.O., Olawoore, E.O., Braimah, R.M., Chukwuka, E.G. and **Omoruyi, I.M.** (2018). Prevalence and antibiotic resistance of *Staphylococcus aureus* isolated from hospital environments located in Benin City, Edo State, Nigeria. Annals of Microbiology and Infectious Diseases. 1(2): 3-7.
8. **Omoruyi, I.M.**, Enabulele, S.A. and Omogbare, S.R. (2018). Effects of shiga-toxin producing strains of *Escherichia coli* (STEC), lead and bisphenol A mixture on kidney and spleen of Whistler mice. Journal of Science and Technology. 10(1):5-12.
9. **Omoruyi, I.M.**, Uwadiae, E., Mulade, G. and Omoruku, E. (2018). Shiga toxin producing strains of *Escherichia coli* (STEC) associated with beef products and its potential pathogenic effect. Microbiology Research Journal International. 23(1): 1-7

10. **Omoruyi, I.M.** and Pohjanvirta, R. (2018). Oestrogenic activities of food supplements and beers as assessed by a yeast bio-reporter assay. Journal of Dietary Supplement. 15(5): 665-672.
11. **Omoruyi, I.M.** and Ogunsakin, A.O. (2017). Extended spectrum beta-lactamase producing enterobacteriaceae (ESBL) isolated from herbal preparations. International Journal of Health. 5(1): 64-66.
12. **Omoruyi, I.M.** and Oriero, U.A. (2016). Shiga-toxin producing *Escherichia coli* (STEC) and other enterobacteriaceae associated with ready-to-eat salad. International Journal of Biological Research. 4(2): 211-214.
13. **Omoruyi, I.M.** and Pohjanvirta, R. (2015). Oestrogenic activities of wastewater, bottled waters and tap water in Finland as assessed by a yeast bio-reporter assay. Scandinavian Journal of Public Health. 43(7): 770-775.
14. **Omoruyi, I.M.**, Ahamioje, D. and Pohjanvirta, R. (2014). Dietary exposure of Nigerians to mutagens and estrogen-like chemicals. International Journal of Environmental Research and Public Health. 11(8): 8347-8367.
15. **Omoruyi, I.M.** and Pohjanvirta, R. (2014). Genotoxicity of processed food items and ready-to-eat snacks in Finland. Food Chemistry. 162: 206-214.
16. **Omoruyi, I.M.**, Kabiersch, G. and Pohjanvirta, R. (2013). Commercial processed food may have endocrine disrupting potential: soy-based ingredients making the difference. Food Additives and Contaminants Part A. 30(10): 1722-1727.
17. **Omoruyi, I.M.** and Emefo, O.T. (2012). *In vitro* evaluation of the antibiogramic properties of *Myristica fragrans* on food borne pathogens. Malaysian Journal of Microbiology. 8(4): 213-218.
18. Bello-Osagie, O.I. and **Omoruyi, I.M.** (2012). Effects of brewery effluents on the bacteriological and physiochemical properties of Ikpoba-River, Nigeria. Journal of Applied Technology in Environmental Sanitation. 2(4): 197-204.
19. **Omoruyi, I.M.**, Ibeh, I.N., Ogboghodo, I.B. and Bello-Osagie, O.I. (2011). Antibiograms and mutagenicity evaluation of hospital wastewaters from University of Benin Teaching Hospital, (UBTH), Benin City. European Journal of Scientific Research. 52(2): 226-235.
20. Wogu, M.D., **Omoruyi, I.M.**, Odeh, H.O. and Guobadia, N.J. (2011). Microbial Load in Ready-to-eat Rice Sold in Benin City. Journal of Microbiology and Antimicrobials. 3(2): 29-33.

21. Ibeh, I.N. and **Omoruyi, I.M.** (2011). Seasonal dynamics in the physiochemical parameters of hospital effluent from a University Teaching Hospital based in Southern Nigeria. Global Journal of Environmental Research. 5(1): 8-14.
22. **Omoruyi, I.M.**, Wogu, M.D. and Eraga, M.E. (2011). Bacteriological quality of beef-contact surfaces, air microflora and wastewaters from major abattoirs in Benin City, Southern Nigeria. International Journal of Biosciences. 1(3): 57-62.
23. **Omoruyi, I.M.** and Idemudia, M.I. (2011). Comparative analysis of the antiseptic properties of some disinfectants on bacteria and fungi of public health importance isolated from barbing clippers. Journal of Asian Scientific Research. 1(2): 65-68.

Membership of Learned Societies:

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|------|--|------|
| i. | Member, Agriculture, Nutrition and Health Academy | 2020 |
| ii. | International Society for Environmental Epidemiology | 2020 |
| iii. | Member, Nigerian Young Academy | 2016 |
| iv. | Student Member, Society of Toxicology | 2013 |
| v. | Member, American Society for Microbiology | 2011 |

Prizes/Honour/Award/Distinction

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| i. | GRC Carl Storm International Diversity Travel Award | 2018 |
| ii. | Member, Nigerian Young Academy, Nigeria | 2016 |
| iii. | Doctoral Student Position, Doctoral Programme in Food Chain and Health, University of Helsinki, Finland. | 2015 |
| iv. | EUROTOX 2014 Travel award, Doctoral Programme in Food Chain and Health, University of Helsinki, Finland. | 2014 |
| v. | SOT/AstraZeneca/SOT Endowment Fund Travel Award, United States of America | 2014 |
| vi. | Research grant, Walter Ehrström Foundation, Finland | 2013 |
| vii. | Fellowship, Swiss Society of Toxicology, Switzerland | 2013 |
| viii. | Travel grant, Chancellor of the University of Helsinki, Finland | 2013 |
| ix. | Research grant, Research Foundation of the University of Helsinki, Finland, | 2012 |
| x. | Academic excellence award (First Class Hons.), Benson Idahosa University, Nigeria. | 2007 |

- xi. Most intelligent Microbiology student, **Nigeria Society of Microbiology Students** 2006
- xii. Most intelligent Microbiology student, **Nigeria Society of Microbiology Students** 2005
- xiii. Benson Idahosa University Presidential Excellence Award for CGPA of 5.00
2004, 2006

Editorial Activities

- i. Editor, International Journal of Food and Nutrition **Jan. 2020**
- ii. Academic Editor, Asian Journal of Research in Biosciences, Global Press Hub.
27.04.2018 – 26.04.2021
- iii. Academic Editor, Asian Food Science Journal, Science Domain International.
27.04.2018 – 26.04.2022

Selected Review Activities

- i. Reviewer, Malaysian Journal of Microbiology
- ii. Reviewer, Scientific World Journal
- iii. Reviewer, Journal of Applied Life Sciences International
- iv. Reviewer, Annual Research and Review in Biology
- v. Reviewer, Journal of International Research in Medical and Pharmaceutical Sciences
- vi. Reviewer, Ife Journal of Science
- vii. Reviewer, Journal of Advances in Microbiology
- viii. Reviewer, British Microbiology Research Journal
- ix. Reviewer, Benson Idahosa University Journal of Science
- x. Reviewer, Microbiology Research
- xi. Reviewer, International Journal of Applied Microbiology and Biotechnology Research
- xii. Reviewer, International Journal of Microbiology Research and Review.
- xiii. Reviewer, Environmental Engineering and Management Journal
- xiv. Reviewer, Advances in Research
- xv. Reviewer, Sustainability, MDPI, Switzerland.
- xvi. Reviewer, International Journal of Environmental Research and Public Health, MDPI,
Switzerland
- xvii. Reviewer, Acta Biochemica Polonica

Administrative Experience:

- i. Faculty of Science Rep, Benson Idahosa University CBT Team April 2020 -
- ii. Faculty of Science Representative in BIU Senate Business Committee. Mar. 2020 -
- iii. Member, Benson Idahosa University Senate, FS Congregation Rep. Nov. 2019 -
- iv. Secretary, Departmental Quality Assurance Committee Oct. 2018 –
Sept. 2020
- v. Director of ICT and Research, Benson Idahosa School of Basic and Applied Studies.
Sept. 2018 -
- vi. Departmental Postgraduate Coordinator, Department of Biological Sciences, Benson
Idahosa University. Jan. 2017 -
- vii. Chairman, Faculty Lecture Committee, FBAS, BIU Jan. 2017-
- viii. Chairman, Departmental Examination’s Committee, BIU 2016-2018
- ix. Course Adviser, 100L – 400L 2015-2019
- x. Member, Departmental Examination’s Committee, BIU 2015-2016
- xi. Secretary, Departmental Seminar Committee, BIU 2015-2016
- xii. Secretary, Departmental Seminar Committee, BIU 2009-2011

Responsibilities outside the University Community

- i. Chair, Environmental Toxicology and Public Health Research Group, Nigerian Young
Academy. August 2018 - Aug. 2020
 - As Chair, I coordinated a National review on “Drinking water quality in Nigeria:
Toward attaining the sustainable development goal 6. The review is in the final
stage of publication in the Annals of Science and Technology
- ii. General Secretary, Nigerian Young Academy. Aug. 2017 - Aug. 2019
 - As General secretary of the NYA, I helped the Academy secure funding from both
international and national organizations
 - I coordinated the membership and award recruitment processes of the Academy
 - I chaired several committees and also assisted other committees with vital Academy
information
 - I represented the Academy in one international and several local events
 - I was a member of a 3-man delegate who led the diaspora fellow (Prof. David Mba)
to visit two internally displaced persons’ camp (New Kuchingoro and Karoimajigi)
in Abuja as part of the Academy’s strive towards the Sustainable Development Goal

iii. Member, Central Organising Committee, 7th General Assembly of the Nigerian Young Academy, August 2017.

REFEREES

Prof. Raimo Pohjanvirta

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Prof. O.C. Akoma

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