

CURRICULUM VITAE

1

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 OF 10 SEPTEMBER 2025:

- **# of journal articles, patent and book chapters:** 531 since 1996.
- **H-index:**
83 (Google Scholar: <https://scholar.google.co.za/citations?user=84lgrowAAAAJ&hl=en>); Citations: 31K+.
62 (Scopus: <https://www.scopus.com/authid/detail.uri?authorId=15026992900>); Citations: 18K+

STUDENTS SUPERVISION:

(a) Graduated: 60 PhD and 75 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:

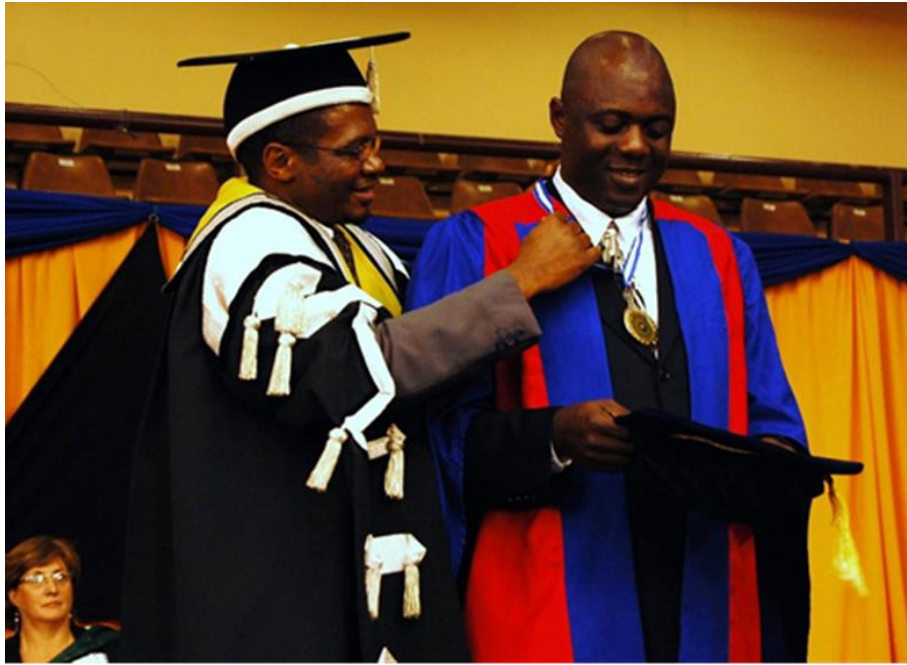
Okoh AI and Okaiyeto K (2020). Production of metal nanoparticles (Ref: Characterisation and biomedical applications of green synthesized nanoparticles assisted by aqueous extract of Thuja). South Africa Patent # P84658ZA00 PJV/YDT, 27 May 2020.

RECOGNITIONS

- FELLOW, THE WORLD ACADEMY OF SCIENCES.
- WINNER OF THE GOLD SCIENTIFIC ACHIEVEMENT AWARD 2023 BY THE SOUTH AFRICAN MEDICAL RESEARCH COUNCIL (https://www.youtube.com/watch?v=ju_DZQ2qwa4)
- FELLOW, THE NIGERIA ACADEMY OF SCIENCES.
- APPOINTED VICE-CHANCELLOR, WESTERN DELTA UNIVERSITY, OGHARA, NIGERIA IN MAY 2021 BUT DECLINED OFFER.
- FELLOW, ROYAL SOCIETY OF BIOLOGY.
- FELLOW, NIGERIA SOCIETY FOR MICROBIOLOGY.
- FELLOW, AFRICAN ACADEMY OF SCIENCES.
- FELLOW, WATER INSTITUTE OF SOUTHERN AFRICA
- FELLOW, BIOTECHNOLOGY SOCIETY OF NIGERIA.
- MEMBER, AMERICAN SOCIETY OF MICROBIOLOGY.
- MEMBER, ACADEMY OF SCIENCE OF SOUTH AFRICA.

- MENTOR, AMERICAN SOCIETY OF MICROBIOLOGY FUTURE LEADERS' MENTORSHIP FELLOWSHIP (FLMF) PROGRAM. 2
- MEMBER, APPLIED MICROBIOLOGY INTERNATIONAL.
- 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 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 – 83 AND CITATIONS IS 31K+; PUBLISHED OVER 520 JOURNAL ARTICLES.
- SUPERVISED/COSUPERVISED TO COMPLETION 60 PhD AND 75 MSc STUDENTS.

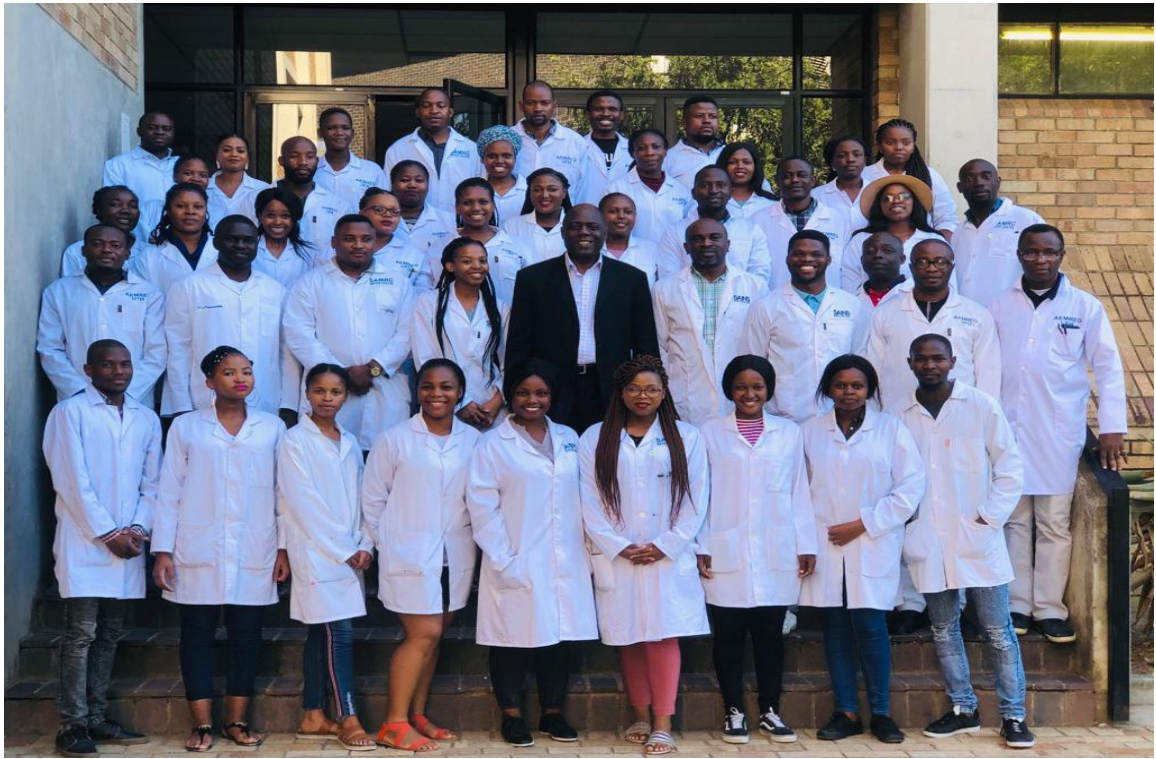
PROF AI OKOH'S AWARDS



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

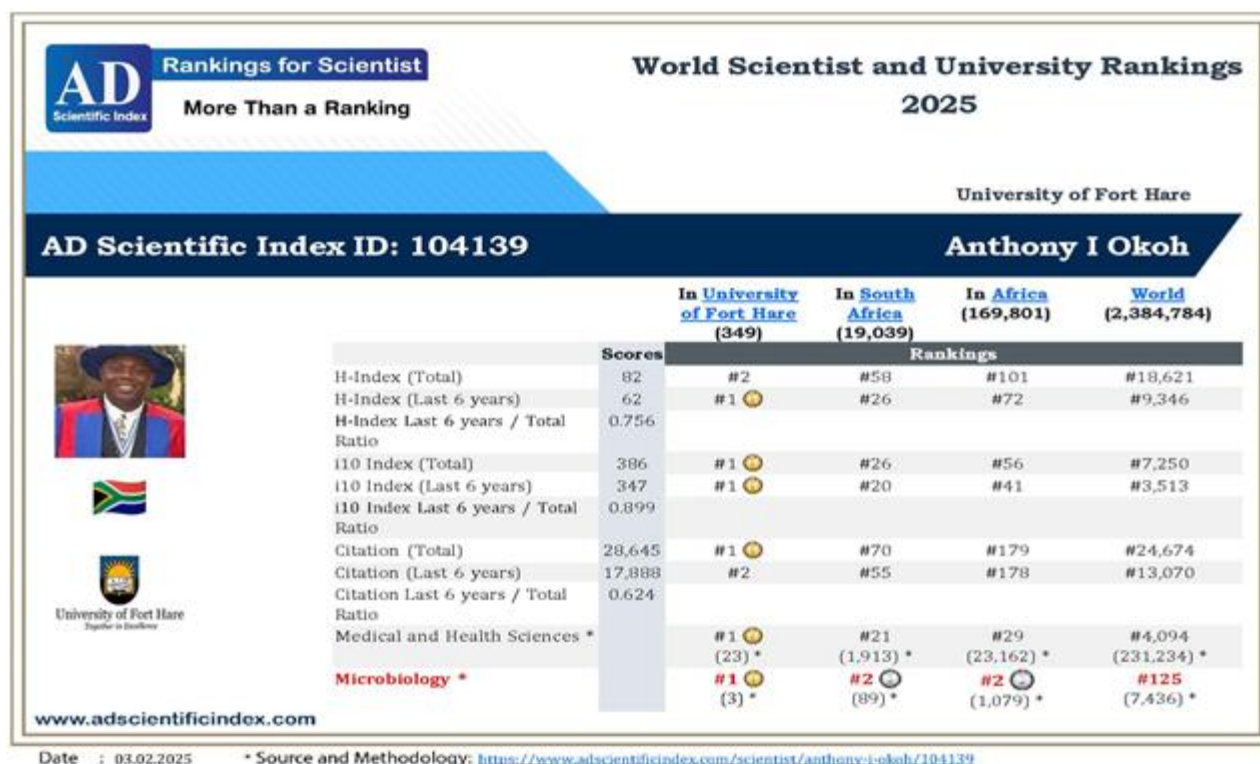
https://www.youtube.com/watch?v=ju_DZQ2qwa4

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 and a PhD in microbiology in 2003. 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 to Full Professor of Microbiology at 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 to become in 2012 (till 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 Director, SAMRC Microbial Water Quality Monitoring Centre at the University of Fort Hare (a national facility of the South African Medical Research Council), a position I hold till date. 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 declined the offer. Hence, I am eminently well experienced in the university top management system.

My research expertise falls within the aegis of Applied and Environmental/Public Health Microbiology 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 530 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/co-supervised 60 PhD and 75 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); the UFH Vice-Chancellor's Research Excellence Award 2021; 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 2025, in the discipline microbiology, I was ranked #1 in the University of Fort Hare, #2 in South Africa and Africa, and #125 in globally, which further bears testament to the quality and impact of my works (See below).



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 84 with over 30K citations as of 12 July 2025.

CURRICULUM VITAE

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.
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 cerevisiae*).
- **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 Nuevo 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,

SCHOLARSHIP METRICS AS OF 10 SEPTEMBER 2025:

- **# of journal articles, patent and book chapters:** 531 since 1996.
- **H-index:**
 83 (Google Scholar: <https://scholar.google.co.za/citations?user=84lgrowAAAAJ&hl=en>); Citations: 31K+.
 62 (Scopus: <https://www.scopus.com/authid/detail.uri?authorId=15026992900>); Citations: 18K+.

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-shaharan 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 year 2014).
- xiii. 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).
- xiv. SANCOOP, South Africa – Norway research Cooperation. Development of efficient bioflocculants by exploring the microbial diversity of South African Eastern Cape Province for Novel Bioflocculants (2014-2017) – R1 490 000.00.
- xv. 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.
- xvi. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1M for 2015.

- xvii. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 097 897.00 for 2016.
- xviii. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 430 464.00 for 2017/2018.
- xix. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 498 228.00 for 2018/2019.
- xx. Water Research Commission grant on Cholera monitoring and response guideline (K5-2432). From 1 April 2015 to 31 February 2018. R1, 260,000.00.
- xxi. 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).
- xxii. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 356 461.80 for 2019/2020.
- xxiii. 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.
- xxiv. ESKOM Tertiary Support Programme grant on "Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells" - R50 000.00; 2019.
- xxv. ESKOM Tertiary Support Programme grant on "Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells" – R60 000.00; 2020.
- xxvi. 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; 2020.
- xxvii. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 400 243.00 for 2020/2021.
- xxviii. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 368 189.00 for 2021/2022.
- xxix. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 295 285.00 for 2022/2023.
- xxx. ESKOM Tertiary Support Programme grant on "Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells" – R82 000.00; 2022.
- xxxi. 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.
- xxxii. ESKOM Tertiary Support Programme grant on "Investigation of Pd-Based ternary electrocatalysts as cathode catalysts for direct methanol fuel cells" – R82 000.00; 2023.
- 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; 2023.
- xxxiv. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. R1 247 741.00 for 2023/2024.
- xxxv. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. 2024/2025 - R 1 535 714.00.
- xxxvi. SAMRC Extramural Research Centre grant - Microbial Water Quality Monitoring Center, University of Fort Hare. 2024/2025 - R1 283 685.00.

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.
- Member, The program (scientific) international committee, Third International Kosygin Forum, International scientific and technical symposium (ISTS/EESTE-2021). Moscow, Russia, 20-21 October 2021.
- 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.
- Member, organization committee, ISME-Africa Symposium on Microbial Ecology and Bioinformatics Training, September 30 – October 04, 2025, Addis Ababa, Ethiopia.

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 in the absence of the Executive Dean).
- **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 date.
- **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 Environmental Health Sciences, University of Sharjah, Sharjah, United Arab Emirates, 2020/2021-2023/2024 session(*sabbatical leave*).
- **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, 11 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.

STUDENTS SUPERVISION:

(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 Biofloculant 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 Ogunmwonyi	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 Biofloculants 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 Biofloculant 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 Biofloculant 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 biofloculants 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 biofloculants from bacteria isolated from freshwater and marine environments of the Eastern Cape in South Africa.
30.	INH Igbinosa	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 biofloculant production.

33.	K Okaiyeto	MSc; 2013	Production and characterization of a biofloculant 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 <i>Mycobacterium tuberculosis</i> complex (MTBC) DNA from Port Elizabeth
43.	L Caine	MSc; 2014	Prevalence of <i>Brucella</i> 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 Adesiyun	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 Folkloric 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.	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.
89.	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
90.	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
91.	Falade, AO	PhD; 2018	Production and molecular characterization of peroxidase from novel ligninolytic proteobacteria and bacillus strains.
92.	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.
93.	Ojemaye, MO	PhD; 2018	Adsorption performance of some co-doped metal oxide nanocomposites for the removal of heavy metals from aqueous solution.
94.	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.
95.	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.
96.	KO Afolabi	PhD; 2018	Incidence of porcine circovirus type 2 and porcine parvoviruses in swine herds of some communities in Eastern Cape, South Africa
97.	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.
98.	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.
99.	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.
100.	OO Olusola-Makinde	PhD; 2018	Proficiency of hemolytic bacteria in the treatment of abattoir wastewater in Akure, Nigeria.

101.	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.
102.	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
103.	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.
104.	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.
105.	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.
106.	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.
107.	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.
108.	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
109.	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
110.	TA Olasehinde	PhD; 2019	Characterization of Extracts from selected Algal Species and their Modulatory Effects on some Biomolecules Implicated in Alzheimer's disease.
111.	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.

112.	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.
113.	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.
114.	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.
115.	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.
116.	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.
117.	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
118.	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
119.	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.
120.	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.
121.	Kayode Adeoye	PhD: 2022	Assessment of <i>Listeria monocytogenes</i> in typical food-water-agricultural products nexus in the Eastern Cape Province, South Africa.
122.	Fadare FT	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.
123.	Adeniji OO	PhD: 2023	Evaluation of antimicrobial combination therapy options for the management of Integron mediated multidrug resistance in Enterococcus species and Acinetobacter Baumannii from aquatic environment in the Eastern Cape Province, South Africa.
124.	Jawahar Al Blooshi	MSc: 2024 (UAE)	Knowledge and Practice Among Residential Housing Construction Workers in Sharjah, UAE with respect to

			use of personal protective equipment
125	Ashgan Khaled Al-Karmadi	MSc: 2024 (UAE)	Evaluation of microbial quality of dried dates from selected sources in Sharjah, United Arab Emirates.
126	Rami Adil Eltahir Elhadi	MSc: 2024 (UAE)	Quantitative microbial risk assessment of wastewater treatment plant workers exposure to aerosolized SARS-CoV-2: Sharjah central wastewater treatment plant as case study.
127	Mohamed Sami Abdulaziz Abdelazim Eed	MSc: 2024 (UAE)	Evaluation of the Occurrence and Risk Assessment of <i>Escherichia coli</i> Pathotypes in Irrigation Waters
128	OO Oluwakoya	PhD: 2024	Occurrence and antibiogram of <i>Campylobacter</i> species recovered from environmental sources in Chris Hani and Nelson Mandela Bay municipalities in the Eastern Cape Province, South Africa
129	VV Qongwe	PhD: 2024	Evaluation of the prevalence of severe acute respiratory syndrome coronavirus 2 (SARS-COV-2) in selected municipal wastewater treatment facilities located in the Amathole District Municipality, Eastern Cape Province, South Africa
130	PA Ntlati	MSc: 2024	Quantitative microbial risk assessment of SARS-CoV-2 in wastewater samples collected from selected wastewater treatment plants in the Eastern Cape Province, South Africa.
131	B Ngqwala	MSc: 2024	A longitudinal study on the distribution of SARS-CoV-2 genome in wastewaters from typical urban and peri-urban communities in the Buffalo City Municipality, Eastern Cape, South Africa.
132	OO Joseph	PhD: 2024	Comparative genomic analysis of SARS-COV-2 isolate from Ota, Ogun State and data from GenBank (Bowen University, Nigeria).
133	O Mayoyo	PhD: 2025	Incidence and diversity of SARS-CoV-2 from wastewater samples recovered from selected municipal wastewater treatment facilities in Buffalo City Metropolitan Municipality, Eastern Cape Province, South Africa.
134	YB Mnikina-Cibi	MSc: 2025	Assessment of the desalination potentials of some algal/cyanobacterial strains isolated from Buffalo River in the Eastern Cape Province, South Africa.
135	Najla Salim Saeed Alshamsi (UAE)	MSc: 2025	Assessment of knowledge and practice of health and safety in education sector, at Sharjah public schools.
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(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
1. Regional 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 Nigerian Field Society	Fellow and Life Member Fellow and Member, Board of Trustee Fellow President (2011-2013), Member Member Fellow Member
2. International 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) American Society of Microbiology International Society for Microbial Ecology	Member Fellow Member Member Fellow Member Member

SELECTED JOURNALS REVIEWED FOR:

- Nature Water
- 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.

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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)
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:

2025

1. Ahou Cinthia Inès Yebouet, Romain Kouakou Fossou, Zaka Ghislaine Claude Kouadjo-Zézé, **Anthony I. Okoh** and Adolphe Zézé (2025). Genetic diversity, extended-spectrum beta-lactamase (ESBL) screening and potential public health implication of Gram-negative bacteria recovered from manmade lakes and surrounding vegetables. *Microorganisms*, 13, 1997. <https://doi.org/10.3390/microorganisms13091997>.
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579. 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. 5th WSU International Research Conference (5th 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.
580. 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. 5th WSU International Research Conference (5th 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.
581. 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. 5th WSU International Research Conference (5th 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.
582. Leonard V. Mabinya, Uchechukwu U. Nwodo and Anthony I. Okoh (2012). Bioflocculant production by bacterial consortium and nutrient optimization by surface response methodology. 5th WSU International Research Conference (5th 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.
583. 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. 5th WSU International Research Conference (5th 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.
584. Penduka D and Okoh AI (2012). Antibacterial activities of the crude dichloromethane extract of *Garcinia kola* (Heckle) seeds against some *Listeria* species. 5th WSU International Research Conference (5th WSU-IRC) to be held at the East London International Convention

585. 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.
586. 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. 4th Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
587. 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. 4th Municipal Water and Quality Conference, 7- 11 July, Sun City, South Africa.
588. 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. 4th Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
589. 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. 4th Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
590. Osuolale 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. 4th Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
591. 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. 4th Municipal Water and Quality Conference, 7- 11 July, Sun City, South Africa.
592. 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. 4th Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
593. 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. 4th Municipal Water and Quality Conference, 7-11 July, Sun City, South Africa.
594. Osuolale 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.
595. 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.
596. S.S. Gusha, E.G. Ngwenya and AI 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.
597. Nwodo UU and Okoh AI (2013). Characterization and Flocculation Properties of Biopolymeric Flocculant (Glycosaminoglycan) Produced by *Cellulomonas* sp. Okoh. 5th Congress of European Microbiologists scheduled to take place in Leipzig, Germany, July 21-25, 2013.
598. 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.

599. 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.
600. 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.
601. 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.
602. 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.
603. Mabinya LV, Nwodo UU and Okoh AI (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.
604. 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.
605. 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.
606. 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.
607. 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.
608. 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.
609. 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.
610. 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.
611. 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.
612. 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.

613. 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.
614. Papiyana AT, Ndaliso N, Ntozonke N, Nwodo UU, Obi CL and Okoh AI (2013). Lethality and antioxidant properties of exopolymeric substances produced by *Brachybacterium* sp. The 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
615. 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.
616. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya, Anthony. I. Okoh. (2014). Evaluation of flocculating efficiency and physiochemical 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.
617. 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.
618. Osuolale 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.
619. 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.
620. 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.
621. 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.
622. Osuolale 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.
623. 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.
624. 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.
625. 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

626. O.O. Osuolale 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.
627. 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.
628. Nwodo, U.U. Green, E., Mabinya, L.V., Obi L and Okoh, A.I. (2014). Characterization of an Exopolymeric Flocculant Produced by a *Brachyбактерium* sp. WISA 2014 Biennial Conference and Exhibitions, hosted at the Mbombela Stadium in Mpumalanga, Nelspruit, 25-29 May 2014.
629. 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.
630. 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.
631. 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.
632. 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.
633. Nolwazi L. Bhembé, 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 13th October 2014, Alice campus.
634. 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 13th October 2014, Alice campus.
635. 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 13th October 2014, Alice campus.
636. Adefisoye M.A and Okoh A.I (2014). Evaluation of the occurrence of faecal coliforms and *Escherichia coli* O157: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 13th October 2014, Alice campus.
637. 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 13th October 2014, Alice campus.
638. Igbinosa 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.
639. 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 β -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.
640. 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.

641. Mabinya LV, Ntsaluba L, Nwodo UU, Obi CL and Okoh AI (2014). Characterization of a Bioflocculant Produced by *Actinobacterium* sp. Mayor. 2nd International Congress on Bacteriology and Infectious Diseases” during November 17-19, 2014 Chicago, USA.
642. 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. 6th Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
643. 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. 6th Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
644. 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. 6th Congress of European Microbiologists, Maastricht, Netherlands, June 7-11, 2015.
645. Mabinya LV, Ntsaluba L, Nwodo UU and Okoh AI (2015). Characterization of a thermo-stable bioflocculant produced by *Methylobacterium* sp. 6th Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
646. 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.
647. Nwodo, UU, Udem CS, Mabinya, LV and Okoh, AI (2015). Bioflocculant production by actinobacteria consortia and media optimization through response surface model. 6th Congress of European Microbiologists scheduled to take place in Maastricht, The Netherlands, June 7 – 11, 2015.
648. 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).
649. 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.
650. 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.
651. 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. 4th YWP-ZA Biennial and 1st African YWP Conference, 16-18 November, 2015, Pretoria, South Africa.
652. 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)**.
653. 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.
654. 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.

655. 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.
656. Adesiyun 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.
657. 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.
658. 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.
659. 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.
660. 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.
661. 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.
662. 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.
663. 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 University of Fort Hare Alice, South Africa from the 3rd to the 6th of July 2016.
664. 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).
665. 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.
666. 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.
667. 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.
668. 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. PITTCO CONFERENCE 2017. CHICAGO, IL USA, March 5-9th 2017.
669. 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.
670. 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, BALTIMORE Centre for Contemporary Art, Gateshead, UK. 3-6 July, 2017.
 671. 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.
 672. 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.
 673. 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.
 674. 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.
 675. Ojemaye, M. O., Okoh, O. O. and Okoh, A. I. (2017). Performance of $\text{NiFe}_2\text{O}_4\text{-SiO}_2\text{-TiO}_2$ 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.
 676. 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.
 677. 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. 48th International Symposium on Essential Oils, Pecs, Hungary, 10 – 13 September, 2017.
 678. 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.
 679. 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*, BALTIMORE Centre for Contemporary Art, Gateshead, UK, 3-6 July, 2017.
 680. 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.
 681. 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.
 682. 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.
 683. 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.

684. Kunle Okaiyeto, Uchechukwu U. Nwodo, Leonard V. Mabinya, and Anthony I. Okoh⁶⁷
Bacillus sp. Isolated from Marine Environment Produces a Glycoprotein with Flocculating Potentials. ASM Microbe 2018, 7 – 11th June, 2018, Atlanta, Georgia, USA.
685. 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.
686. 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.
687. 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.
688. 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.
689. 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 07th -11th of June 2018 at the Georgia World Congress Center, Atlanta, Georgia, United States of America.
690. 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 04th – 07th of April 2018 at the Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa.
691. 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, 4th – 7th April, 2018.
692. 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. 7th – 11th June, 2018.
693. Luyanda Msolo, Etinosa Ogbomoede Igbinsosa, 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.
694. 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.
695. 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.
696. 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 20th Biennial Conference of the South African Society for Microbiology (SASM) held at Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa, 4 -7th April.
697. 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 20th Biennial Conference of the South African Society for Microbiology (SASM) held at Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa, 4 -7th April.
698. Osunla, C.A. and Okoh, A.I. 2018. Distribution and Multiple Antibiotic Resistance profiles of *Vibrio* pathogens in Tsomo, Eastern Cape Province, South Africa. Poster presentation at ASM Microbe 2018 held at Georgia World Congress Center, Atlanta, GA, USA, 7 to 11th of June.
699. 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 20th Biennial Conference of the South African Society for Microbiology (SASM) held at Misty Hills Hotel and Conference Centre, Muldersdrift, Johannesburg, South Africa, 4 -7th April.
700. 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).
701. 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 11th of June, 2018.
702. Mike O. Ojemaye, Omobola O. Okoh and Anthony I. Okoh (2018). Kinetics, isotherm and thermodynamic studies for the removal of Pb²⁺ and Hg²⁺ from aqueous solution by adsorption onto azomethine functionalized magnetic nanoparticles, NanoAfrica Conference, Salt Rock Hotel, Durban, South Africa – Poster presentation (April 22nd - 25th, 2018).
703. 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, 8th International Conference on Chemical Sciences, London, UK. E-Poster presentation (June 14-15th, 2018) - Published.
704. 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.
705. 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.
706. 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 07th -11th of June 2018 at the Georgia World Congress Center, Atlanta, Georgia, United States of America.*
707. 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*
708. 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 8th Congress of European Microbiologists (FEMS 2019), 7-11 July 2019, Glasgow, Scotland.*
709. 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.

710. 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 8th Congress of European Microbiologists (FEMS 2019), 7-11 July 2019*, Glasgow, Scotland.
711. 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 8th Congress of European Microbiologists (FEMS 2019), 7-11 July 2019*, Glasgow, Scotland.
712. 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.
713. 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 8th Congress of European Microbiologists (FEMS 2019), 7-11 July 2019*, Glasgow, Scotland.
714. 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 8th Congress of European Microbiologists (FEMS 2019), 7-11 July 2019*, Glasgow, Scotland.
715. 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 257th ACS Spring Meeting and Exposition 2019, March 31st - April 4th 2019*, Orlando, Florida, USA.
716. 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 algoa bay in South Africa produces a polysaccharide-bioflocculant. *Poster presentation at the 8th Congress of European Microbiologists (FEMS 2019), 7-11 July 2019*, Glasgow, Scotland.
717. 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 257th ACS Spring Meeting and Exposition 2019, March 31st - April 4th 2019*, Orlando, Florida, USA.
718. 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 257th ACS Spring Meeting and Exposition 2019, March 31st - April 4th 2019*, Orlando, Florida, USA.
719. 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 257th ACS Spring Meeting and Exposition 2019, March 31st - April 4th 2019*, Orlando, Florida, USA.
720. 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.
721. 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.
722. 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" 70 held at the Max Planck Institute for Biophysical Chemistry, in Göttingen, Germany, 9 – 12 September 2019.

723. 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.
724. 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.
725. 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).
726. 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.
727. 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.
728. 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.
729. 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 29th and 30th August 2019 at the International Convention Center (ICC), East London, South Africa.
730. 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 29th and 30th August 2019 at the International Convention Center (ICC), East London, South Africa.
731. 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 29th and 30th August 2019 at the International Convention Center (ICC), East London, South Africa.
732. 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 29th and 30th August 2019 at the International Convention Center (ICC), East London, South Africa.
733. 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: 22nd International Conference on

734. 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.
735. 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 18th October 2019, Alice.
736. 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 18th October 2019, Alice..
737. 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.
738. 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.
739. 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..
740. 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.
741. 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. 5th Annual Symposium-ACS Nigeria Chapter (March 1 – 4th, 2020).
742. 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).
743. 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*.
744. 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 9th to 13th, 2022. Postal presentation.
745. 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.
746. 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.

747. Mike O. Ojemaye, Sunday O. Okoh and Anthony I. Okoh (2022). 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.
748. 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.
749. 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.
750. Luyanda Msolo, Kingsley E. Ebomah, Okuhle Mayoyo, Velisa V. Qongwe, Balisa Ngqwala, Piwe A. Ntlati, Nontongana Nolonwabo and Anthony I. Okoh (2023). Real Time PCR Targeting the Single Nucleotide Polymorphism (SNP) for the genotypic analysis of SARS-CoV-2 variants in municipal wastewater Treatment plants within the Amathole and Buffalo City regions, Eastern Cape, South Africa. Public Health Research Seminar held on the 27th -29th November 2023 at the International Convention Centre, East London, South Africa.
751. Mike O. Ojemaye and Anthony I. Okoh (2023) Development of innovative materials for the removal of DNA harboring antibiotic resistance genes from water. 8th European Congress on Advanced Nanotechnology and nanomaterials, Hyatt Place, Heathrow London, UK, October 12-13, 2023.
752. Ifeoluwa O. Daramola, Mike O. Ojemaye, Anthony I. Okoh and Omobola O. Okoh (2023) Photo-assisted degradation of alachlor in water using ZnO: Effect of H₂O₂. In ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY (Paper ID: 3933556). 1155 16TH ST, NW, WASHINGTON, DC 20036 USA: AMER CHEMICAL SOC. ACS Fall, August 13 – 17, 2023, Poster Presentation
753. Cecilia Y. Ojemaye, 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 (27 – 28th July, 2023) – Oral Presentation
754. 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, (27 – 28th July, 2023) - Oral Presentation.
755. Anthony Okoh and Badriah Ebrahim (2024). Antimicrobial susceptibility profile of some bacteria species isolated. International Conference on Science, Technology, and Interdisciplinary Research (ICSTAR - 2024). 13th - 14th Feb 2024, Dubai, UAE.
756. 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.
757. AI Okoh (2024). Insights into new issues in the water/wastewater treatments and the need for collaborations between the academia and private sectors. World Congress on Environmental Pollution and Sustainable Energy (WCEPSE-24), 22nd - 23rd May 2024 | Abu Dhabi, UAE.
758. Adeoye J. Kayode and Anthony I. Okoh (2024). Antibioqram signatures and resistance profiles of *listeria monocytogenes* in milk products: one health perspective. Poster presented at the American Society for Microbiology Conference, Atlanta, 13th – 17th June 2024.
759. Adeoye J. Kayode and Anthony I. Okoh (2024). Antimicrobial Resistance in Ready-to-Eat Foods: A Comprehensive Analysis on Food Safety and Risk Assessment. Poster presented at the American Society for Microbiology Conference, Atlanta, 13th – 17th June 2024.
760. Olaniyan, O.O., Adeniji A.O., Okoh A.I., Okoh O.O (2024). Risk Evaluation of

Brominated Flame Retardants and Toxic Elements in Swartkops River Estuary, South Africa⁷³
Poster presentation at the Water Institute of Southern Africa (WISA) 2024 Biennial Conference & Exhibition held 12th-14th June 2024 in Durban ICC, Durban, South Africa.

761. Ebomah KE, Msolo L, Nolonwabo N and Okoh AI (2024). Seasonal Variations in the occurrence of SARS-CoV-2 RNA recovered from selected wastewater samples collected in South Africa. A Poster presented at American Society for Microbiology, ASM Microbe conference, June 13-17 2024 at Atlanta, Georgia, USA.
762. Nkalane O., Okoh A.I., and Nontongana N. (2024) Quantitative microbial risk assessment and Short-term surveillance of multi-drug-resistant *Salmonella enterica* serotypes relevant to poultry, Piggery and Cattle dairy farms in the Amathole District Municipality. Poster presented at the American Society for Microbiology Conference, Atlanta, 13th – 17th June 2024.
763. Mpondo L, Ebomah KE, and Okoh AI (2025). Multidrug-Resistant *Listeria* Species Shows Abundance in Environmental Waters of a Key District Municipality in the Eastern Cape Province, South Africa. A Poster presented at *American Society for Microbiology, ASM Microbe holding between 19-23 June 2025 at Los Angeles, California, USA.*
764. Msolo Luyanda, Mbiko Zanda, Nokhatyana Sindisiwe and Antony I Okoh (2025). *An appraisal of Multidrug-Resistant Listeria monocytogenes and Salmonella spp. recovered from commercial meat specimens in the Eastern Cape Province, South Africa: Implications for food and public health safety.* A poster presented at the ASM MICROBE 2025 Conference held on 19th - 23rd June 2025 at the Los Angeles Convention Centre, California, United States of America.
765. K. Ebomah, L. Msolo, N. Nontongana and A. Okoh (2025). Detection Of Mutations Associated with SARS-CoV-2 Variants of Concern Recovered from Wastewater Samples in the Eastern Cape Province, South Africa. A poster presented at the ASM MICROBE 2025 Conference held on 19th - 23rd June 2025 at the Los Angeles Convention Centre, California, United States of America.

Invited Lead and Keynote Addresses

766. 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.
767. 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.
768. 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 18th Biennial South African Society for Microbiology (SASM 2013), 25-27 November 2013, Bela-Bela, South Africa.
769. 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.
770. 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.
771. 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.
772. 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 5th February 2015.
773. 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.
774. AI Okoh (2015). The water microbiome: biotechnological tool in water quality challenges. A lead opening keynote address delivered at the 28th congress of the Biotechnology Society of Nigeria, Godfrey Okoye University, Enugu State, Nigeria, 19-29 August 2015.

775. 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, 19th September 2016, ICC East London, South Africa.
776. 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.
777. 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 18th May 2016, within the WISA2016 Biennial conference held at the ICC Durban, 15-20 May 2016.
778. Okoh AI (2016). The Role of Biotechnology in the water sector and associated emerging challenges. A plenary paper delivered at the 29th Annual Conference and General meeting of the Biotechnology Society of Nigeria which held in Calabar, 28-31 September 2016.
779. 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
780. Okoh AI (2016). The Water Research Initiatives of the University of Fort Hare. 1st Tunisian-South African International-Workshop on Microbial Ecology and Biotechnology in Stressful Environments; November 4th - 6th 2016, ISBST, Sidi Thabet, Tunisia.
781. 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 30th Annual Conference of the Biotechnology Society of Nigeria, 27-30 August 2017 at Federal University of Technology, Minna, Nigeria.
782. 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.
783. 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, 29th –Oct – 2019 to 1st – Nov – 2019.
784. AI Okoh (2022). Emerging challenges in the water sector and their implications for public health. Ajman 6th International Environment Conference, Sheikh Zayed Centre for Conferences and Exhibitions, Al-Ajman, United Arab Emirates, 28-29 Mar 2022.
785. AI 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.
786. Okoh AI (2024). The aquatic environment as reservoirs of antimicrobial resistance determinants. A plenary paper delivered at the African Scientific Integration Network (AScIN) International Conference on 18 July 2024 at Obafemi Awolowo University, Ile-Ife, Nigeria.
787. Okoh AI (2024). Mitigating the challenges of antimicrobial resistance determinants in the aquatic environment: nanomaterials as promising tools. A keynote address presented at the 2nd International Conference on Scientific Advancement (ICSA 2024) held at Anchor University, Lagos, Nigeria on 2-4 September 2024.
788. AI Okoh (2024). The hydrosphere as a reservoir of antimicrobial resistance. International Conference on Science, Engineering & Technology (ICSET-2024), 24th - 25th October 2024, Dallas, USA.
789. Okoh AI (2025). The aquatic environment as reservoir of antimicrobial resistance determinants and nanomaterials as promising tools for their mitigation. A lead plenary paper

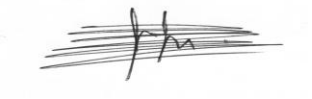
790. Al Okoh (2025). Wastewater-based epidemiology as early warning signs in pathogens outbreaks surveillance: our experience with SARS-CoV-2. A lead paper presented at the 37th Biotechnology Society of Nigeria Conference, Umudike, Abia State, Nigeria, 20-23 August 2025.

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.
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.

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

- Prof Lise Korsten (University of Pretoria): 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.
- Prof AO Olaniran (University of KwaZulu Natal): 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 includesss, 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 Atef Jaouani; University of Tunis El Manar, Tunis, Tunisia. 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.
- Dr M Bisi-Johnson, Department of Microbiology, Obafemi Awolowo University, Ile-Ife, Nigeria. Benefit includesssd 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.

A handwritten signature in black ink, appearing to read 'A. I. Okoh', is written over several horizontal lines.

Prof Anthony I Okoh