

## **CURRICULUM VITAE**

### **PERSONAL DATA**

Name: Chukwuka Bethel Anucha

Date: 01/11/2023

### **PRESENT AND DATED SCIENTIFIC RESEARCH SITUATION**

#### ***Post-Doctoral Research Position-***

***MONARIS Laboratory & Laboratory of Surface Reactivity (LRS)- Sorbonne University***

***Integrated and Transformation of Renewable Matter (TIMR)/Organic Chemistry and Alternative Technologies (OCAT)- Université de Technologie de Compiègne and Ecole Supérieure de Chimie Organique et Minérale (UTC-ESCOM), Paris & Compiègne, France; Worked on the development of scaffolds made of silk fibroin with incorporated metallic nanoparticles to present them the capability of concentrating organic pollutants and facilitate their detection via Surface Enhanced Raman Scattering (SERS) technique for Environmental Application and Proof of Biomedical Capability Tests: funded by the Science and Molecular Engineering Initiative (ISim) of Sorbonne Universities. June 2022-June 2023***

***Marie Skłodowska Curie Action (MSCA) Fellowship: Early Stage Researcher (ESR)- Karadeniz Technical University (KTU), Kanuni Campus, Trabzon, Turkey; worked as an early-stage researcher (ESR) in the project: 'Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water' (AQUALity: <https://www.aquality-etn-eu>) with emphasis on The Development of New Photochemical Materials/Processes for Wastewater Treatment and Other Potential Applications. October 2018-September 2021.***

***Intersectoral Secondment Training- Materials Industrial Research and Technology Centre S.A., Chalkida, Greece; trained in the development of ceramic materials and structures using techniques like- pressing, casting, extrusion, and high temperature furnaces. April - June 2019***

***Intersectoral Secondment Training- University of Turin (UNITO), Turin, Italy; trained in analytical techniques employed for the assessment of photocatalytic activity performance of synthesized materials over contaminants of emerging concern (CECs) abatement. Further introduction to techniques for material characterization of synthesized catalysts. November-December 2018***

***Graduate Intern- Mekorot Central Laboratory (MCL), Eshkol, Nazareth, Israel; collaborated with the R&D department in developing the project: 'Greener biological pre-treatment method for the removal of high organic load content (e.g OMW- olive mill waste; POME- palm oil mill effluents; SHEF- slaughterhouse effluents) at WWTP inlet for improved sewage treatment process'. January 2017- June 2017***

**Graduate Student/Researcher- Laboratory of Environmental Technologies (LET) from the Ecology and Restoration of Riverine, Estuarine and Coastal Habitats (ECOREACH) group of Center of Marine Sciences (CCMAR),** working in the project “ Biometal demonstration of plant for biological rehabilitation of metal bearing wastewaters- BIOMETAL DEMO” (<http://www.biometaldemo.eu/>) on batch studies to select metal-resistant sulphate reducing bacteria and different carbon sources, column experiments and molecular identification of bacteria consortium from bioreactors. October 2015-September 2016

**Intern Position- Environment Health and Safety Department, Belgian Academy of Nuclear Science (SCK), Boeretang, Mol, Belgium-** Involved in the project: ‘Natural Organic Matter behaviour in a cementitious geo-repository environment’. April 2016- June 2016.

**Academic visit to the Comparative Molecular Endocrinology (CME) research team laboratories at CCMAR,** to gain knowledge in constructing phylogenetic trees and analysing phylogenetic relationships between aligned molecular sequences. January 2016- March 2016

#### **DATED INDUSTRY/PROFESSIONAL SITUATION**

**Environmental Impact Assessment Specialist-** Worked in this capacity in an Environmental Waste Management Services Enterprise- Bra Servizi Srl, Bra (Cn), Italy. I over saw activities and undertook responsibilities like- Designed remediation schemes and over saw their on -site execution, used latest remediation technology, provided environmental impact assessment capabilities (Phase I/Phase II), assisted clients with a turn-key remediation solution on smaller projects, liaised with local authority environmental agency, sampled, monitored, and investigated and supervised disposal sites, technical report writing and project management. March 2013- September 2014.

**Plant Control Officer-** For Municipal Waste Treatment Plant where I was involved in Controlling, monitoring, and maintenance of equipment's for wastewater (sewage). Removed and neutralized chemicals, solid materials, and organisms to ensure non-returning of polluted water to environment after treatment. Experienced in biological treatment systems as well as reverse osmosis (RO) advanced treatment options. Worked in national team for the generation of process design and proposals for inquiries mainly in the areas of anaerobic and biofilm treatment of wastewater. October 2009- September 2012

**Mid-level employee-** Quality Control Officer II- For Oil and Well Services Company, Willbros Nigeria Limited, Port Harcourt, Nigeria. Worked in Quality and Control Cement Laboratory responsible for -good zone isolation, formation/cement/case bonding, well conditioning control, cementing control- CEMFLOW/CENTRA/CEMENT-3 SOFTWARES, NaSiO<sub>3</sub>/Bentonite Rheology controls, Stability, Thickening time, Fluid loss, Compressive strength etc. September 2008- July 2009

**Mid-level employee-Facility HSE Officer-** Bill+Brothers (Wastewater treatment /Machines) Limited, Port Harcourt, Nigeria. Set Environmental, Health and Safety agenda for site, maintain current H&S standard and lead implementation of EHS standards, built a health and safety first culture ensuring compliance with local Health and Safety legislation. As the facility, Health, and Safety-Lead the expertise on all EHS related matters while coaching on relevant legislation and internal Environmental Health and Safety Systems. Lead Health and Safety agenda with the local site management teams to drive the safety culture and to meet the respective site targets of risk management and accident reduction. Was responsible for the reporting of KPIs and EH&S incidents to site leadership teams. July 2007-August 2008

**Bachelor of Science Mobility Industrial Attachment-** Horizon Fibre (Nigeria) Limited, Choba, Rivers State, Nigeria. Synthesized, analysed, and conducted performance test to determine the tensile strength of the fibres, monitored the fiber qualities on daily basis in order to optimize production rate, assisted the Laboratory Manager in maintaining all laboratory procedures to ensure that they are current and in developing new procedures as necessary in support of plant operations, approved analytical data for accuracy and reporting anomalous results to the Laboratory manager, maintained quality control program for each instrument and procedure in the lab, assisted in method development and setting up new instruments as directed by the Laboratory manager. September 2002- March 2003

### **ACADEMIC QUALIFICATIONS**

**Doctor of Philosophy (Ph.D.) Chemistry (Material/Environmental/Analytical Chemistry Emphasis): Karadeniz Technical University (KTU), Trabzon, Turkey.** Approved by the Graduate Institute of Natural and Applied Sciences- Department of Chemistry Karadeniz Technical University (KTU), Trabzon, Turkey in February 2022. Developed TiO<sub>2</sub>/ZnO based semiconductor materials, incorporating them with phthalocyanines as hybrid organic-inorganic nanoparticles/composites for environmental and potential energy applications. Dissertation: "Development of Doped TiO<sub>2</sub> Photocatalyst Prepared on  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Ceramic Substrate and Their Use in The Degradation of Ibuprofen, Caffeine, and Carbamazepine as Model Contaminants of Emerging Concern (CECs)" with awarded cumulative grade point average (CGPA) 3.93 (out of 4)- High Honors

**Master of Science (M.Sc.) Chemistry (Chemical Innovation and Regulation- an Erasmus Mundus Programme): University of Barcelona and University of Algarve).** Specialty of Innovative Treatment Technologies for Environmental Application; approved by unanimity at the University of Algarve, Portugal in September 2016. Dissertation: "The development and optimization of chemical and biological processes for the treatment of sulphate rich and heavy metal mobilized wastewaters from acid mine drainage (AMD) by sulphate reducing bacteria (SRB)", with 16 values final classification (out of 20)- Very Good

**Bachelor of Science (B.sc) Chemistry,** approved by the Senate Committee on Academics of the University of Port Harcourt, Nigeria in December 2004.

Research title: "Determination of Physico-chemical Parameters of Bonny Light Crude crucial in the Environmental Impact Assessment (EIA) for oil spillage contaminated waters", awarded cumulative grade point average (CGPA) of 2.77 (out of 5)- Second Class Honors

**High School Certificate** at Secondary Technical School Okpuala-Ngwa, Isiala-Ngwa North Local Government Area, Abia State, Nigeria. Certificate issued by West African Examination Council (WAEC) in 1997.

Five (5) Credits in English Language, Mathematics, Chemistry, Physics and Biology.

### **Other Qualifications**

- European Driving License: Class B in 2013
- Certified Cisco Network Associate (CCNA), Passed and Certified, 2012

### **LANGUAGES: (BEGINNER, ELEMENTARY, GOOD, VERY GOOD, EXCELLENT)**

#### **UNDERSTANDING, SPEAKING, READING, WRITING**

- Igbo: Native
- English:                      Excellent                      Excellent                      Excellent                      Excellent

|              |            |            |            |            |
|--------------|------------|------------|------------|------------|
| - Italian    | Excellent  | Good       | Excellent  | Excellent  |
| - Spanish    | Excellent  | Good       | Good       | Good       |
| - French     | Elementary | Elementary | Elementary | Elementary |
| - Portuguese | Elementary | Elementary | Elementary | Elementary |
| - Turkish    | Good       | Good       | Good       | Good       |

### **TECHNICAL SKILLS AND COMPETENCES**

- Good command of Microsoft Office™ tools, SQL, Visual Basic language, CISCO computer networking protocols. [CCNA: Certified Associate], Fortran, MATLAB, R
- Material Synthesis, Characterization, and Deposition Techniques: Hot bed spray pyrolysis, sol-gel and combustion, hydrothermal, Thermogravimetric Analysis-Differential Scanning Calorimetry (TGA-DSC) [Advanced Experience], Nuclear Magnetic Resonance (NMR) [Basic Experience], X-ray Diffraction (XRD) [Advanced Experience], Fourier Transform Infra-Red (FTIR) Spectroscopy [Advanced Experience], Raman Spectroscopy [Advanced], Scanning Electron Microscopy-Energy Dispersive Spectroscopy (SEM-EDS) [Advanced Experience], N<sub>2</sub> Adsorption-Desorption Measurement Brunauer Emmet Teller (BET) Analysis [Advanced Experience], X-ray Photoelectron Spectroscopy (XPS) Measurement [Advanced Experience], Ultra-violet Visible/Diffuse Reflectance Spectroscopy (UV-Vis/DRS) Measurement [Advanced Experience], solvent casting, electrophoretic deposition, photo-etching, radio frequency (RF) magnetron sputtering, polymer assisted hydrothermal decomposition (PAHD), cold plasma discharge etc.
- High Performance Liquid Chromatography (HPLC) with diode array (UV-VIS) and evaporative light scattering detector (ELSD) [Advance Experience]
- Gas Chromatography-Mass Spectrometry (GC-MS) [Advance Experience]
- Inductive Coupled Plasma- Optical Emission Spectroscopy (ICP-OES)
- Inductive Coupled Plasma- Mass Spectroscopy (ICP-MS) [Advance Experience]
- Flame Atomic Absorption Spectroscopy (FAAS) [Advance Experience]
- Gas Chromatography- Flame Ionization Detector (GC-FID) [Advance Experience]
- Polymerase Chain Reaction (PCR) analysis kit tool [Advance Experience]
- Transmission electron microscope (TEM) coupled with EDX and some High Score Plus software using the ICDD PDF-2 database as well as computational fluid dynamics (CFD) tool [Advance Experience]
- Life Cycle Analysis (LCA) tools- GABi, ANSYS FLUENT and Aspen HYSYS process simulation. [Advance Experience]

## TRAINING

- Massive Open Online Course (MOOC)- University of Georgia (USA)
  - Material Behaviours [April/June 2019]
- Massive Open Online Course (MOOC)- MIT (USA)
  - Solid State Chemistry [15/12/2020]
- MDPI Webinar- Online
  - Asia-Pacific Academic Forum [October/December 2019]
- MDPI Webinar- Online
  - 2<sup>nd</sup> International Online Conference on Nanomaterials (ICON) [15-30/11/2020]
- MDPI Webinar- Online
  - Advanced Mechanical Modelling of Nanomaterials II [30/10/2020]
- MDPI Webinar- Online
  - Advanced Mechanical Modelling of Nanomaterials I [16/10/2020]
- Brucker Hysteron Nano Mechanical Test Instrumentation Webinar- Online
  - Thin film Characterization Applied in Semiconductor Industries [5/08/2020]
- Phenomenex Webinar- Online
  - High Performance Liquid Chromatography (HPLC) System Optimization [12/05/2020]
- Freeman Technology Webinar- Online
  - Working with Powders: How Comprehensive Characterization Can Optimize your Process [28/04/2020]
- United Nations University Institute for Water, Environment and Health (UNU-INWEH), 204-175, Longwood Road South Hamilton, Ontario, CANADA, L8P0A1

On-line Virtual Conservation Training

Curriculums:

- Biodiversity Indicators
- Biodiversity Valuation
- Coastal Resilience

- Climate Change (REDD+)
- Conservation Action Planning
- Conservation Measures
- Coral Triangle
- Geographical Information System (GIS)
- Great Lake Inform (GLI)
- Indicators of Hydraulic Alterations (IHA)
- International Union for Conservation of Nature (IUCN): 8 module courses
- Mangrove Biodiversity and Ecosystem- 10 course units
- Reef Resilience
- Productive Landscape
- Attendance for Laboratory Accreditation Training, SGS, Milan, Italy
  - Laboratory Quality Systems: ISO15189 [Very similar to ISO /IEC 17025] (10 hours); 5-9, December 2012
  - HACCP and ISO (10 hours); 19-23, December 2012
  - Food Microbiological analysis (10 hours); 16- 20, January 2013
  - Internal Quality Control (10 hours); 11-14, February 2013

## **TEACHING EXPERIENCE**

### **Post-doctoral Teaching Aid**

**Université de Technologie de Compiègne- UTC and Sorbonne Université- Paris, France**

June 2022- June 2023

Organized practical laboratory round (lab round) activities and gave talks in Nanoscience Chemistry to undergraduates/interns, masters, and PhD Science and Engineering students at Integrated and Transformation of Renewable Matter (TIMR) laboratory –UTC and Molecular Nano objects: Reactivities, Interactions and Spectroscopies – MONARIS laboratory- Sorbonne University

### **Graduate Teaching Assistant Role**

**Karadeniz Technical University (KTU)**

October 2018-September 2021

#### **➤ Year I Chemistry Courses:**

- KIM1013- General Chemistry Laboratory I
- KIM1027- General Chemistry I
- KIM1004- General Chemistry Laboratory II
- KIM1026- General Chemistry II



➤ Year 2 Chemistry Courses:

- KIM2021- Inorganic Chemistry I
- KIM2024- Inorganic Chemistry II

➤ Year 3 Physics Course

- FIZ3016- Solid state Physics I

**High School Teaching:**

Taught science subjects-chemistry, physics and mathematics to high school grade students  
Organized intensive practical/theoretical classes for final school examination classes,  
organized and coordinated inter and intra school quiz completion for science student and served  
as Head Britarch secondary school science committee as well as for Junior Engineering and  
Technical Students (JETS)- Britarch Secondary School, Amuzukwu, Umuahia, Abia State,  
Nigeria. September 2006-June 2007

Taught Organic Chemistry, Petroleum Chemistry, and Mathematics to a class of 350 students  
and was also in charge of organizing tutorial classes for students  
1yr National Youth Service Commission (NYSC) Programme- Government Girls' Arabic  
Secondary School, Sumaila, Kano State, Nigeria. September 2005-August 2006

**EVENT'S ORGANIZATION**

- Local organizing committee member (L O C) : International Conference on Chemical  
Energy and Semiconductor Photochemistry (CESCOP), 03-09, June 2019, Trabzon,  
Turkey
- Member of organizing committee: 2<sup>nd</sup> Symposium Edition for Erasmus Mundus  
Masters in Chemical Innovation and Regulation, 17-18, June 2016, Bologna, Italy

**PARTICIPATION IN RESEARCH PROJECT/INDUSTRIAL INNOVATION**

- Interdisciplinary cross-sectoral approach to effectively address the removal of  
contaminants of emerging concern from water ('AQUALity': [http://www.aquality-  
etn.eu/](http://www.aquality-etn.eu/)) – EU-H2020 MSCA Framework Programme (grant agreement n° 619101): as a  
Doctorate Research Student [2018-2021]
- Biometal demonstration ('BIOMETAL DEMO': <http://www.biometaldemo.eu/>) pilot  
plant design and operation for the biological rehabilitation of metal bearing-  
wastewaters - Union's Seventh Framework Programme (grant agreement n° 765860):  
as a Masters by Research Student [2015-2016]

**Research Theses/Dissertations**

Anucha, C.B, (2022): *Doctor of Philosophy (PHD)*- Development of Doped TiO<sub>2</sub> Photocatalyst  
Prepared on  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Ceramic Substrate and Their Use in The Degradation of Ibuprofen,  
Caffeine, and Carbamazepine as Model Contaminants of Emerging Concern (CECs). Doctoral  
thesis, Department of Chemistry, Faculty of Science, Karadeniz Technical University (KTU),  
Trabzon, Turkey

Anucha, C.B, (2016): *Master of Science (MSc)*- The development and optimization of chemical and biological processes for the treatment of sulphate rich and heavy metal bearing wastewater from acid mine drainage (AMD) by sulphate reducing bacteria (SRB). Master dissertation, Department of Chemistry and Pharmacy, Faculty of Science and Technology, University of Algarve, Portugal

Anucha CB (2004): *Bachelor of Science (BSc)*- Determination of Physico-chemical Parameters of Bonny Light Crude crucial in the Environmental Impact Assessment (EIA) for oil spillage contaminated waters”, Bachelor of Science degree thesis, Department of Pure and Industrial Chemistry, Faculty of Science, University of Port Harcourt, Nigeria

### **Conferences and Seminars (Oral Communications)**

Anucha CB, Altin I, Biyiklioglu Z, Bacaksiz E, Polat I, Stathopoulos VN, Ahmet Y (2021). Synthesis, Characterization, and Photocatalytic Activity of Manganese Phthalocyanine Sensitized ZnWO<sub>4</sub> (ZnWO<sub>4</sub>MnPc) Towards Bisphenol-A Under UV Irradiation. Advanced Technologies for The Processing and Characterization of Nanostructured Materials: Online-July 5-7, Krakow, Poland

Anucha CB, Altin I, Fabbri D, Degirmencioglu I, Calza P, Stathopoulos VN, Bacaksiz E, (2019). Characterization and Photocatalytic Activity of Doped and New Phthalocyanine Sensitized Materials. 21<sup>st</sup> International Conference on Industrial Water Management and Treatment (ICIWMT). December 16-17, Barcelona, Spain

Anucha CB, Altin I, Fabbri D, Degirmencioglu I, Calza P, Stathopoulos VN, Bacaksiz E, (2019). Characterization and Photocatalytic Activity of Doped and New Phthalocyanine Sensitized Materials. 15<sup>th</sup> Nanoscience and Nanotechnology Conference (NanoTR-15). November 3-6, Antalya, Turkey

Anucha CB, Stathopoulos VN, Altin I, Bacaksiz E (2019). Ceramic Paste Preparation and Suspension Washcoat Formulation for Disc Shaped  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Substrate. 4<sup>th</sup> International Porous and Powder Materials (PPM) Symposium and Exhibition. October 9-11, Marmaris, Turkey

Anucha CB, Pandis PK, Stathopoulos VN, Georgiopoulos I, Tatoudi Z, Argiris C, Altin I, Bacaksiz E (2019). Development of Photocatalytic TiO<sub>2</sub> Washcoats Over Porous  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Ceramic Substrates. International Paste Preparation and Suspension Washcoat Formulation for Disc Shaped  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Substrate. International Conference on Chemical Energy and Semiconductor Photochemistry (CESCOP). September 4-6, Trabzon, Turkey

Anucha CB (2019). Photocatalytic Degradation of Contaminants of Emerging Concern (CECs) by TiO<sub>2</sub>/ZnO Dye Sensitized Photocatalyst. Mid Term Check & 3<sup>rd</sup> AQUALITY Meeting. March 7-8, Ecole Polytechnique, Palaiseau, France

Anucha CB, Alexandre LM, Carlier JD, Luís AT, Costa MC (2016). Screening of industrial sub-products as alternative carbon sources to sustain the growth and activity of sulphate-reducing bacteria- Part II. 11th conference on Sustainable Development of Energy, Water and Environment Systems – SDEWES. 4-9 September. Lisbon, Portugal

Anucha CB, Alexandre LM, Carlier JD, Luís AT, Costa MC (2016). Batch tests to access the efficiency of beetroot and orange molasses as sources of nutrients to sustain bioremediation processes for acid mine drainage. 3rd International Congress on Water, Waste and Energy Management (EWWM), July 18-20, Rome, Italy

Anucha CB, Calier JD, Costa MC (2016). The development and optimization of chemical and biological processes for the treatment of sulphate rich and heavy metal bearing wastewater from acid mine drainage (AMD) by sulphate reducing bacteria (SRB). 2nd Erasmus mundus master's in chemical Innovation and Regulation Symposium, July 6-7, Bologna, Italy



Anucha CB, Carlier JD, Luís AT, Costa MC (2015) Screening of industrial sub-products as alternative carbon sources to sustain the growth and activity of sulphate-reducing bacteria. 10th conference on Sustainable Development of Energy, Water and Environment Systems – SDEWES. 27 September – 2 October. Dubrovnik, Croatia

### **Conferences and Seminars (Poster Presentations)**

Anucha CB, Altin I, Bacaksiz E, Stathopoulos VN, Polat I, Yasar A, Yuksel OF (2021). Silver Doped Zinc Stannate ( $\text{Ag-ZnSnO}_3$ ) for The Degradation of Caffeine (CAF) Under UV-Irradiation. 1<sup>st</sup> Greening International Conference. February 15-16, Costa Da Caprica, Portugal.

Anucha CB, Pandis PK, Stathopoulos VN, Georgiopoulos I, Tatoudi Z, Argirusis C, Altin I, Bacaksiz E (2019). Development of Photocatalytic  $\text{TiO}_2$  Washcoats Over Porous  $\alpha\text{-Al}_2\text{O}_3$  Ceramic Substrates. International Paste Preparation and Suspension Washcoat Formulation for Disc Shaped  $\alpha\text{-Al}_2\text{O}_3$  Substrate. International Conference on Chemical Energy and Semiconductor Photochemistry (CESCOP). September 4-6, Trabzon, Turkey

Anucha CB, Altin I, Fabbri D, Stathopoulos VN, Degirmencioglu I, Calza P, Bacaksiz E (2019). Synthesis, Characterization, and Photocatalytic Tests of Novel Photocatalysts. 17<sup>th</sup> International Conference on Chemistry and Environments (ICCE). June 16-20, Thessaloniki, Greece.

Anucha CB, Altin I, Fabbri D, Degirmencioglu I, Calza P, Bacaksiz E, Stathopoulos VN (2019). Synthesis, Characterization, and Photocatalytic Tests of Novel Photocatalysts. III Summer School of The European PhD School on Advanced Oxidation Processes (AOPs). June 3-7, Alcoy, Valencia, Spain.

Anucha CB, Calier JD, Costa MC (2016). The development and optimization of chemical and biological processes for the treatment of sulphate rich and heavy metal bearing wastewater from acid mine drainage (AMD) by sulphate reducing bacteria (SRB). 2nd Erasmus mundus master's in chemical Innovation and Regulation Symposium, July 6-7, Bologna, Italy

### **SOME ACADEMIC RESEARCH PUBLICATIONS**

Anucha CB, Altin I, Bacaksiz E, Stathopoulos VN. Titanium Dioxide ( $\text{TiO}_2$ )- Based Photocatalyst Materials Activity Enhancement for Contaminants of Emerging Concern (CECs) Degradation: In the Light of Modification Strategies. Chemical Engineering Journal Advances 10, 100262, 2022

Anucha CB, Bacaksiz E, Stathopoulos VN, Pandis PK, Argirusis C, Andreouli C-D, Tatoudi Z, Altin I. Molybdenum Modified Sol-Gel Synthesized  $\text{TiO}_2$  for the Photocatalytic Degradation of Carbamazepine Under UV Irradiation. Processes 10, 1113, 2022

Anucha CB, Bacaksiz E, Stathopoulos VN, Pandis PK, Argirusis C, Andreouli C-D, Tatoudi Z, Altin I. Preparation and Characterization of Supported Molybdenum Doped  $\text{TiO}_2$  on  $\alpha\text{-Al}_2\text{O}_3$  Ceramic Substrate for the Photocatalytic Degradation of Ibuprofen (IBU) Under UV Irradiation. Catalysts 12(5), 562, 2022

Anucha CB, Altin I, Bacaksiz E, Degirmencioglu I, Kucukomeroglu T, Stathopoulos VN, Yilmaz S. Immobilized  $\text{TiO}_2$  / $\text{TiO}_2$  Sensitized Copper (II) Phythalocyanine Heterostructure for the Degradation of Ibuprofen Under UV Irradiation. Separations 8 (3), 24, 2021

Anucha CB, Altin I, Bacaksiz E, Stathopoulos VN, Polat I, Yasar A, Yuksel OF. Silver Doped Zinc Stannate ( $\text{Ag-ZnSnO}_3$ ) for The Photocatalytic Degradation of Caffeine (CAF) Under UV-Irradiation. Water 13, 1290, 2021

Anucha CB, Altin I, Bacaksiz E, Kucukomeroglu T, Calza P, Belay MH, Stathopoulos VN. Enhanced Photocatalytic Activity of CuWO<sub>4</sub> Doped TiO<sub>2</sub> Photocatalyst Towards Carbamazepine Removal. Separations 8 (3), 25, 2021

Anucha CB, Altin I, Biyiklioglu Z, Bacaksiz E, Polat I, Stathopoulos VN. Synthesis, Characterization, and Photocatalytic Activity Evaluation of Manganese (III) Phthalocyanine Sensitized ZnWO<sub>4</sub> (ZnWO<sub>4</sub>MnPc) Towards Bisphenol-A Under UV Irradiation. Nanomaterials 10 (11), 2139, 2020

Zin MM, Anucha CB, Banvolgyi S. Recovery of Phytochemicals via Electromagnetic Irradiation (Microwave-Assisted-Extraction): Betalain and Phenolic Compounds in Perspective. Foods 9(7), 1918, 2020

Anucha CB, Altin I, Fabbri D, Bacaksiz E, Degirmencioglu I, Calza P, Magnacca G, Stathopoulos VN. Synthesis and Characterization of B/NaF and Silicon Phthalocyanine-Modified TiO<sub>2</sub> and Evaluation of Their Photocatalytic Removal of Carbamazepine. Separations 7 (4), 71, 2020

### **PRIZES/AWARD**

Scholarship Award- Marie Skłodowska Currie (MSCA) Fellowship for PHD studies  
Karadeniz Technical University, Trabzon, Turkey. 2018-2021

Scholarship award- Erasmus Mundus Master in Chemical Innovation and Regulation  
University of Barcelona, Spain and University of Algarve, Portugal. 2014-2016

### **SUPERVISING EXPERIENCE**

- Served in supervisory roles in my past places of work (see Present and Dated and Professional Situation)
- Field Supervisor-Temporary
  - Supervised a group of about 10 head count workers during the national census exercise and was responsible for compiling field workers' reports and data at the end of days' exercise- National Population Commission (NPC), Sumaila, Kano State, Nigeria. May 2005

Senior Invigilator for High School Certificate Examination of West African Senior School Certificate Examination (WASSCE)- The Gambia: May/June 2006 and May/June 2007

### **NETWORKS AND MEMBERSHIPS**

Erasmus Mundus Association (EMA)  
[2014- Current]

Chemical Society of Nigeria (CSN)  
[Nigeria, 2004- Current]

Society of Environmental Toxicology and Chemistry (SETAC)  
[African Chapter, 2012- Current]