

# AGBOEZE EMMANUEL

Place of Birth; Mbu-Amon.  
Date of Birth; 24<sup>th</sup> December, 1992.  
Nationality; Nigeria.  
State of Origin; Enugu State.  
Local Govt. Area; Isi-Uzo.  
Permanent Home Address; 1 Agboeze Street Onu-Orie, Ajiona, Mbu-Amon.  
Present Postal Address; 7 Jeff-Udeoha opposite Notre-Dame Secondary School one-day Enugu.  
GSM Numbers; **08039447972, 09039239802**  
E-mail Address; [emmanuel.agboeze@gmail.com](mailto:emmanuel.agboeze@gmail.com)  
Marital Status; Single.

## EDUCATIONAL INSTITUTION ATTENDED WITH DATES

| Academic Qualifications  | Institutions                                     | Year of Passing |
|--|--|-----------------|
| Doctor of Philosophy (Ph.D.) in Physical & Theoretical/Computational Chemistry | Enugu State University of Science and Technology | 2022 (IN VIEW)  |
| Master of Science (M.Sc.) in Polymer Chemistry                                 | Enugu State University of Science and Technology | 2017            |
| Post Graduate Diploma in Education (PGDE)                                      | Nnamdi Azikiwe University Awka / NTI             | 2018            |
| Bachelor of Science in Industrial Chemistry (B.Sc.)                            | Enugu State University of Science and Technology | 2012            |
| West African Senior School Certificate Examination                             | Obfo International Academy Nsukka                | 2008            |
| First School Leaving Certificate   | Central School Mbu-Amon                          | 2002            |

## OBJECTIVE

I am a consistent, hardworking, and highly motivated person. I enjoy working with the public. I feel that I am a friendly, outgoing, and dependable person. I am looking to improve my position in the workforce and expand my knowledge and skills. I am also looking to establish long-term employment in a friendly environment and make a positive contribution to an organized establishment that offers challenges, and an opportunity for career growth and development, to meet the institution's strategic objectives.

## WORKING EXPERIENCE

| Organization  | Designation                    | Duration  |
|---|--------------------------------|-----------|
| Enugu State University of Science and Technology (ESUT) | Assistant Lecturer (Academics) | 2020-Date |
| Joint University Preliminary Examinations Board (JUPEB) | Lecturer (Part-Time)           | 2019-2022 |
| Joint University Preliminary Examinations Board (JUPEB) | Exam-Marking (Assessor)        | 2020      |
| National Youth Service Corps (NYSC)                     | Laboratory Attendant           | 2013-2014 |

## STATEMENT OF EXPERIENCE

I have experience teaching chemistry to undergraduates at Enugu State University of Science and Technology (ESUT) and the Joint University Preliminary Examinations Board (JUPEB). I have taught in various settings, from extensive courses to research labs, and was inclined to develop appropriate teaching, learning objectives, course contents, assessment, and grading quizzes and exams. With this experience, I am prepared to teach general, physical, polymer, and computational chemistry to majors and non-majors at the undergraduate and postgraduate degree levels. I am proficient in public speaking and adept at sharing knowledge with varying audiences. I have demonstrated this through academic activity, research papers, seminars presented in the department, and various symposiums attended. Also, I am highly literate in computer proficiency with flair in HTML5, CSS, and Microsoft Office (Excel, Word, and PowerPoint presentation).

## RESEARCH AREAS

- Response surface studies on optimization of environmental remediation of heavy metals. (ongoing).
- Removal of heavy metal from water with modified kola-nut testa cellulose resin. (M.Sc. Dissertation).
- Causes of drug abuse and its effect among secondary school students in Enugu South Local Government Area, Enugu State. (PGDE. Project).
- Production of adhesive from cashew nut shell liquid and soybean chaff. (B.Sc. Project).

## LIST OF PUBLICATIONS

1. Agboeze, E., Ogbuanu, C. C., & Amujiogu, S. N. (2019). RECENT ADVANCES TO ACCOUNT FOR THE EFFICACY OF PHYTOCHEMICALS IN HEMORRHOIDS (PILE) MANAGEMENT. *Chemistry, Biology and Physical Sciences Academic Journal*, 1(3), 3773 – 5391. Retrieved from [https://www.researchgate.net/profile/Cyril\\_Ogbuanu4/publication/337292107\\_RECENT\\_ADVANCE\\_S\\_TO\\_ACCOUNT\\_FOR\\_THE\\_EFFICACY\\_OF\\_PHYTOCHEMICALS\\_IN\\_HEMORRHOIDS\\_PILE\\_MANAGEMENT/links/5dcf587092851c382f40a948/RECENT-ADVANCES-TO-ACCOUNT-FOR-THE-EFFICACY-OF-PHYTOCHEMI](https://www.researchgate.net/profile/Cyril_Ogbuanu4/publication/337292107_RECENT_ADVANCE_S_TO_ACCOUNT_FOR_THE_EFFICACY_OF_PHYTOCHEMICALS_IN_HEMORRHOIDS_PILE_MANAGEMENT/links/5dcf587092851c382f40a948/RECENT-ADVANCES-TO-ACCOUNT-FOR-THE-EFFICACY-OF-PHYTOCHEMI)
2. EZEH, E., UKOHA, P., BULUS, H., NWEZE, B., NWAGU, N., NSUDE, P., & AGBOEZE, E. (2019). ADSORPTION ISOTHERMS AND KINETICS STUDIES OF Pb<sup>2+</sup> AND Cu<sup>2+</sup> SORPTION BY SEMICARBAZIDE IMMOBILIZED POLYSILOXANE AS MATERIAL FOR WATER PURIFICATION. 9(1), 1652-1664. Retrieved from <http://www.anachemjournal.com/journal>
3. Ogbuanu, C., Agboeze, E., & Ariz-Ogbuanu, T. C. (2019, November). ASSESSMENT OF HARDNESS OF SHALLOW-WELL WATER OF OYOFO OGHE AND ITS HEALTH AND ECONOMIC IMPACT. *International Research Journal of Applied Sciences, Engineering, and Technology*, 5(11), 1573-1405. Retrieved from [www.cird.online/IRJASET](http://www.cird.online/IRJASET)
4. Ogbuanu, C. C., Agboeze, E., & Amujiogu, S. N. (2020, May 31). Secondary Metabolites Investigation and TLC Analysis of Leaves, Stem Bark and Root Extracts of Uvaria Chamae (UDAGU). *Journal of Natural Sciences Research*, 10(10). doi:10.7176/JNSR/10-10-05
5. Agboeze, E., Uchechukwu, T. U., & Ogbobe, O. (2020). NOVEL STRONG AND WEAK KOLA NUT (COLA-STERCULIACEAE) TESTA CATION EXCHANGERS FOR THE REMEDIATION OF POLLUTED WATER. *Am. J. innov. res. appl. sci.*, 11(1), 13-15. doi: Ref.2-ajira080620
6. Agboeze, E., & Egbo, E. (2020). Effect of Phthalonitrile and Alum on Flame Retardation Properties of 100% Cotton Fabric. *Cellulose*, 23-43.
7. Ogbuanu, C., Agboeze, E., & Ehiri, R. (2020). Identification of Novel Gonadal Steroids and Number of Glycoside from Sabicea Brevipes Plant Root Extract. *Journal of Pharmaceutical Analysis*, 4-6.
8. Agboeze, E. (2021). Optimization and environmental remediation of heavy metals: kinetics and thermodynamic modeling. *ACS Spring Meeting 2021* (pp. 1-14). Texas: American Chemical Society. doi:<https://doi.org/10.1021/scimeetings.1c00274>
9. Agboeze, E., Habila, B., Ezech, E. C., Attah, J. C.,... & Igbehinadun, O. J. (2021). Immobilized Thiosalicylic Ligand System Potentials for the Detoxification of Some Heavy Metals from Tannery Wastewater. *Science Journal of Chemistry*, 9(3), 72.
10. Agboeze, E., Attah, J., Ogbobe, O., & Nsude, O. (2021). Optimization and environmental remediation of heavy metals with RSM: kinetics and thermodynamic modeling. *ACS spring meeting* , 30-35.
11. Agboeze, E., & Ogbobe, O. (2022). Optimization of environmental remediation of heavy metals: kinetics and thermodynamic modeling. *Journal of Innovation in Applied Research*, 1-12.

12. Agboeze, E., Uchechukwu, T. O., & Ogbobe, O. (2022). ISOLATION AND CHARACTERIZATION OF CELLULOSE DERIVED FROM KOLA NUT (COLA- STERCULIACEAE) TESTA. *Journal of Innovation in Applied Research*, 25-38. doi:10.51323/JIAR.5.1.2022.01-12.
13. Ogbuanu, C. C., Ike, C. O., Agboeze, E., Uhama, K. C., Okwesili, L. C., & Akpata, E. I. (2022). Evaluation of Anti-tussive Activity and Phytochemical Screening of Stem of White Yam (*Dioscorea rotundata*) grown in Oghe Community, Enugu State, Nigeria. *Sch Int J Chem Mater Sci*, 5(4), 12-19.
14. Udeh, V. C., Agboeze, E., Omeje, .. E., Chime, C. C., & Ike, O. C. (2022). EVALUATION OF THE PHYTOCHEMICAL AND ANTIMICROBIAL ACTIVITY OF THE FRACTIONATED METHANOLIC LEAF EXTRACT OF DIOSPYROS PRUESSII GURKE. *Journal of Chemical Society of Nigeria*, 47(3), 30-42. doi:https://doi.org/10.46602/jcsn.v67i3.754
15. Ogbuanu, C. C., Ike, C. O., Agboeze, E., Uhama, K. C., Okwesili, L. C., Akpata, E. I., & Ogunbodede, T. T. (2022). Effect of *Asystasia gangeticum* (Atu ukwara) leaves extract on Fermentation Kinetics of *Elaeis guineensis* (Palm wine). *Sch Int J Biochem*, 9-14. doi:10.36348/sijb.2022.v05i01.02

#### ACCEPTED JOURNALS UNDER REVIEW

16. Ani, N. P., Agboeze, E., & Omeje, O. P. (2022). EXTRACTION AND CHARACTERIZATION OF PHARMACEUTICAL-GRADE MICROCRYSTALLINE CELLULOSE FROM BAMBARA NUT (VOANDZIEA SUBTERRANEAN (L) THOUSARS) HUSK. *Cellulose*.

## ACADEMIC CONFERENCE ATTENDED AND PAPER PRESENTED

| S/N | CONFERENCE   | PAPERS PRESENTED  |
|-----|--|---|
| 1   | 5 <sup>th</sup> Annual Symposium of the American Chemical Society, Nigeria International Chemical Sciences Chapter: <b>Sokoto 2020</b> .     | Production, Characterization, and Application of Modified Cellulose for Ion Exchange Removal of Heavy Metals in Water |
| 2   | American Chemical Society, Nigeria International Chemical Sciences Chapter on Campus Virtual Event on <b>October 26, 2020</b> .              | Virtual presentation of ACS chapter outreach on covid-19 sensitization.   |
| 3   | American Chemical Society; Macromolecular Chemistry: the second century. International conference; <b>ACS Spring 2021. PAPER ID: 3550809</b> | Optimization and environmental remediation of heavy metals: kinetics and thermodynamic modeling                       |
| 4   | Middle Atlantic Regional Conference of   | Development of novel xanthate-  |

|   |   |   |
|---|---|---|
|   | the American Chemical Society Co-hosted by the University of Delaware and the Delaware ACS held from <b>June 9-11, 2021; PAPER ID: 3577824</b>  | modified and unmodified exchangers for remediation of effluent in contaminated water within Enugu State metropolis  |
| 5 | Southeastern Regional Meeting American Chemical Society ( <b>SERMACS 2021</b> ) International conference; chemistry transcending boundaries for a sustainable future. <b>Abstract ID: 3637508;</b>                    | Preparation And Characterization of Microcrystalline Cellulose from <i>Raphia Farinifera Inflorescence</i> . Final paper number: <b>SERMACS 2021 684.</b> |
| 6 | American Chemical Society; Bonding through chemistry. Spring <b>2022</b> National Conference, San Diego, CA. <b>PAPER ID: 3656907</b>   | Evaluation of the phytochemical and antimicrobial activity of the fractionated methanolic leaf extract of <i>diospyros pruessii gurke</i>                 |
| 7 | Pittsburgh world Conference on Analytical Chemistry and Applied Spectroscopy, ( <b>Pittcon 2022</b> ) Georgia World Congress Center Atlanta, Georgia, USA. <b>PAPER ID: (PT04-23): Location: Expo Floor Aisle 600</b> | Optimized <i>Raphia Farinifera Inflorescence</i> as Environmental Waste Novel Adsorbent   |
| 8 | Chemical Society of Nigeria 18 <sup>th</sup> Annual Conference; Coalcitychem 2021. Theme: The role of chemistry in mitigating Covid-19 and other diseases. <b>July 2021</b>   | The corrosion inhibition of <i>Phyllanthus mellerianus</i> (Nvo Nkwu) on mild steel at varying temperatures and HCl concentration at a fixed time.        |

## ACADEMIC WORKSHOP ATTENDED

| S/N | WORKSHOP  | THEME   |
|-----|---|---|
| 1   | Tetfund Research on "From Idea to Funded Project." Held at Prof. Julius Onah University Auditorium, ESUT Agbani on <b>23<sup>rd</sup> and 24<sup>th</sup> February 2021</b> | Gaining the edge in attracting and winning research grants for the digital age. |
| 2   | Indian Institute of Technology–Roorkee (IIT); ACS Seminar on <b>October 18, 2021</b>  | Advances in Polymer Nanocomposites.   |
| 3   | Nigerian International Chemical Science Chapter of the American Chemical Society: National Chemistry Week (NCW) virtual event on <b>October 21, 2021</b>                    | Importance of chemistry in everyday life; Fast or Slow, chemistry makes it go.  |

## PROFESSIONAL BODY/HONOURS

American Chemical Society (ACS)  
 Chemical Society of Nigeria (CSN)  
 Polymer Institute of Nigeria (PIN)  
 Nigerian Society of Physical Sciences (NSPS)

## **EXTRA-CURRICULAR ACTIVITIES**

Online training on e-learning and presentations

Tutorial on Statistical and chemistry software packages, e.g., Design Expert, Chem sketch, Origin Pro, and CAVS.

Internet Surfing, Reading, Football, Swimming, and Playing Scrabble

## **ACADEMIC POSITION / RANK**

Assistant Lecturer

## **REFEREES**

**Prof. Ogbobe Okoro**

Federal University of Technology Owerri.

**08127607976, 08032700639**

**Prof. Chime Charles**

Industrial Chemistry,

Enugu state university of science and technology.

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**Dr. Udeozo Prisca Ifeoma**

Industrial Chemistry,

Enugu state university of science and technology.

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