

ASSOCIATE PROFESSOR OGAH ANSELM OGAH



PROFILE

Accomplished academic and researcher with a PhD in Polymer Chemistry and Technology, an MSc in Polymer Science and Technology, and a Bachelor of Engineering in Polymer and Textile Engineering. I have extensive experience in polymer solutions, colloid chemistry, rheology, microscopy, and particle size characterization, alongside a wide range of advanced materials characterization techniques. Currently, I serve as Associate Professor and Head of the Department of Polymer Engineering at the Faculty of Engineering, Nnamdi Azikiwe University, Awka. My research focuses on the development and characterization of eco-friendly materials for engineering and construction applications. My work integrates polymer science, polymer chemistry, textile technology, and sustainability to advance innovation in composite manufacturing and material upcycling. I have a strong track record in research supervision, interdisciplinary collaboration, curriculum development, and grant proposal writing, with a deep commitment to academic excellence and impactful, solution-driven research.

RESEARCH LINKS

Research gate URL: http://www.researchgate.net/profile/Ogah_Ogah

LinkedIn URL: <https://ng.linkedin.com/in/anselm-ogah-ab4354176>

Scopus ID: <https://www.scopus.com/authid/details.uri?authorId=58867251900>

Orcid ID: <https://orcid.org/0000-0001-9152-1773>

GoogleScholar: <https://scholar.google.com/citations?user=jyVdiOsAAAAJ&hl=en>

Email/: ao.ogah@unizik.edu.ng / ☎+2348061514134

Web of Science Research ID: ABE-4101-2021

Google scholar: Citations = 474; h-index = 12; i10-index = 14

EDUCATION

- Doctor of Philosophy Degree (Ph.D) Industrial Chemistry (Polymer Chemistry & Technology)
Ebonyi State University, Abakaliki, Nigeria / 2010-2014
- Doctoral Researcher (Composite Materials & Engineering Center)
Washington State University, USA / 2010-2013
- Master of Science Degree (M.Sc.) Industrial Chemistry (Polymer Science & Technology)
Ebonyi State University, Abakaliki, Nigeria / 2003-2007
- Bachelor of Engineering (B.Eng) Polymer & Textile Engineering
Federal University of Technology, Owerri, Nigeria / 1991-1997

ADMINISTRATIVE EXPERIENCE

- Head, Department of Polymer and Textile Engineering, Faculty of Engineering, Nnamdi Azikiwe University, Awka from 2nd October 2025 to date
- Deputy Director Office Space and Space Allocation Nnamdi Azikiwe University Awka from November 2024 to 2nd October 2025
- Head, Department of Polymer and Textile Engineering, Faculty of Engineering, Nnamdi Azikiwe University, Awka, Nigeria from 8th September to 2nd December 2024
- Member Faculty of Engineering Ethics and Discipline Committee, Nnamdi Azikiwe University, Awka 2025 to present
- Member Faculty of Engineering Quality Assurance Committee, Nnamdi Azikiwe University, Awka 2025 to present
- Member Faculty of Engineering Office Space and Space Allocation Committee, Nnamdi Azikiwe University, Awka 2020-2024
- Postgraduate Coordinator Department of Polymer Engineering, Nnamdi Azikiwe University Awka 2022-2024

EMPLOYMENT HISTORY/TEACHING PORTFOLIO

Nnamdi Azikiwe University, Awka, Nigeria

Reader (Associate Professor), October 2025 to present

Senior Lecturer, October 2022 to 2025

Lecturer I, March 2019-2022

Adjunct lecturer 1, September 2016-2019

Job responsibility/achievement:

- Teaching and supervision of undergraduate and postgraduate students

Undergraduate courses:

PTE 318: Non-woven Technology

PTE 311: Chemistry of Elastomers

PTE 308: Polymer Processing Engineering I

PTE 303: Structure Analysis and Testing of Polymeric and Textiles

PTE 507: Technology of Elastomers

PTE 510: Coloration and Finishing of Textiles

PTE 304: Polymer Rheology

Postgraduate courses:

PTE 818: Advanced Coloration

PTE 802: Polymeric Materials and Composites Applications

PTE 804: Advanced Polymer Structure and Characterization

PTE810: Graduate Seminar

PTE 803: Engineering Properties of Polymers

PTE 811: Technical Textiles

PTE 801: Polymerization and Polymer Reactions

PTE 901: Mechanical Behavior of Polymers

Ebonyi State University, Abakaliki, Nigeria

Lecturer 1, October 2016-2019

Lecturer II, October 2013-2016

Assistant lecturer, October 2012-2013

Laboratory Technologist, April 2001-2012

Job responsibility/achievement:

- Teaching and supervision of undergraduate and postgraduate students
- Research and community development/service
- Student course adviser
- Examination and ethics committee member

MarYola College, Lagos, Nigeria

Senior Chemistry Tutor, 1999-2001

Job responsibility/achievement:

- Taught foundation and introductory organic and inorganic chemistry
- Conducted both quantitative and qualitative practical chemistry

Auchi Polytechnic Auchi, Edo State, Nigeria

Graduate intern, 1998-1999

Job responsibility/achievement:

- Taught entrepreneurship development and adhesive technology

Sapanda Industries Limited, Aba, Nigeria

Undergraduate intern, 1996-1997

Job responsibility/achievement:

- Production of beverages in the production plant

Eastern Plastics Ltd, Klm 3, Abakaliki-Enugu Expressway, Emene, Nigeria

Undergraduate intern, 1993

Job responsibility/achievement:

- Production of plastic articles for both domestic and industrial applications
- Operation of the injection molding machine, extrusion molding machine, etc.

ACHIEVEMENTS

- A Colloquium in Honor of Professor EM Katchy Theme “Improving Society Through Education, Scholarship and Service” Nwawka Hall, Paul University Awka, Anambra State, Nigeria, 11 December, 2025.
- Designed Curriculum for the Course “Robotics and Embedded System” at Osiri University, USA.
- Designed Curricula for the Proposed Take-off Academic Programmes in the Faculty of Engineering at Ebonyi State University of Aeronautics and Aerospace Engineering.
- Reviewed Paper ID: 1561775. Paper Title: Mechanical Characterization of An Ecological Breeze Block Reinforced with Sorghum Muskuwaari Fibers in Far North of Cameroon. World Journal of Engineering and Technology (WJET). September 1, 2025. <https://www.scirp.org/journal/wjet>
- Internal-External Examiner of thesis titled “Physico-mechanical and Thermal Properties of Luffa Cylindrica Fiber/Rubber Seed Shells Reinforced Epoxy Composites” by Madekwe

- Ifeanyi Chukwuma 2021246009PA. A thesis submitted to the Department of Mechanical Engineering, Faculty of Engineering, Nnamdi Azikiwe University, Awka in partial fulfilment of the requirements for the award of Master of Engineering Degree in Mechanical Engineering. July 31, 2025 (Faculty Defense).
- Supervised thesis titled “Production of Cement Using Castor Seed Shells as Additive for Improved Performance” by Orji Nlewedim Ijioma 2017246010F. A thesis submitted to the Department of Mechanical Engineering, Faculty of Engineering, Nnamdi Azikiwe University, Awka in partial fulfilment of the requirements for the award of Master of Engineering Degree in Mechanical Engineering. June 24, 2025 (Final Defense).
 - Internal-External Examiner of thesis titled “Fabrication and Characterization of Nanostructured Epoxy/Nanoclay/Cellulose Nanofiber Coating for Water Barriers and Corrosion Mitigation Application” by Ekweonu Chibuzor Daniel 2019386003PA. A thesis submitted to the Department of Polymer Engineering, Faculty of Engineering, Nnamdi Azikiwe University, Awka in partial fulfilment of the requirement for the award of Master of Engineering Degree in Polymer Engineering. October, 2024 (Proposal Defense).
 - Internal-External Examiner of thesis titled “Fabrication of Pectin, PVA, Nanoclay and Nano-snail Shells Biocomposite for Food Packaging Applications” by Okpechi Ugochukwu Victor
 - Faculty of Engineering International Conference, Nnamdi Azikiwe University, Awka, Nigeria. Theme: Sustainable and Smart Agriculture for National Development, 6-7th November 2024. feic@conf.unizik.edu.ng
 - Guest Lecturer at the Maiden Edition of the Annual Public Lecture/Symposium Theme: “Intelligent Polymers for Safe and Sustainable Future” Department of Polymer Engineering, Faculty of Engineering, Nnamdi Azikiwe University, Awka, Nigeria. Presentation on the Topic “Smart Polymers: Innovations for Controlled Release Systems and Sustainable Applications” on Thursday 21st of March, 2024 Needs Assessment Auditorium.
 - Internal-External Examiner of thesis Titled “Utilization of Banana and Sponge Gourd Fiber Hybrid Composites in the Sporting Industry” By Onyedikachukwu Daniel Emeka 2020256002FB). A Thesis Submitted to Department of Metallurgical and Materials Engineering, Nnamdi Azikiwe University, Awka in Partial Fulfillment of the Requirement for the Award of Master of Engineering Degree (M. Eng) in Metallurgical and Materials Engineering, March 27, 2024 (Faculty Defense)
 - Plenary Talk International Conference on “Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2024)”. Held at Mahatma Gandhi University, Kottayam, Kerala, India from 12th-14th January, 2024. Jointly Organized by International and Inter University Center for Nanoscience and Nanotechnology (IIUCNN) School of Nanoscience and Nanotechnology (SNSNT) & School of Energy Materials (SEM) Mahatma Gandhi University, Kottayam, Kerala, India & Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil & Gdansk University of Technology, Gdansk, Poland & Wroclaw University of Technology, Wroclaw, Poland & Chandigarh University, Mohali, Gharuan, Punjab, India.
 - Chaired a Session International Conference on “Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2024)”. Held at Mahatma Gandhi

University, Kottayam, Kerala, India from 12th -14th January, 2024. Jointly Organized by International and Inter University Center for Nanoscience and Nanotechnology (IIUCNN) School of Nanoscience and Nanotechnology (SNSNT) & School of Energy Materials (SEM) Mahatma Gandhi University, Kottayam, Kerala, India & Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil & Gdansk University of Technology, Gdansk, Poland & Wroclaw University of Technology, Wroclaw, Poland & Chandigarh University, Mohali, Gharuan, Punjab, India.

- Certificate of Recognition for Peer Review of the Manuscript Entitled “Fabrication and Characterization of Sisal Fiber and Wood Saw Dust Reinforced Recycled Low-Density Polyethylene Composites” for Textile and Leather Review in February, 2024. DOI 10.3881/TLR editorial@tir-journal.com
- Editorial Board <https://journals.gesociety.org/index.php/jfpc/about/editorialTeam>
- Internal-Examiner of the thesis titled “Development of Textile Printing Paste Using Expanded Polystyrene Waste as Binder”. (By Ugwu Shedrack Chukwuebuka 2019386001PA). A Thesis Submitted to Department of Polymer and Textile Engineering, Faculty of Engineering, Nnamdi Azikiwe University Awka in Partial Fulfillment of the Requirement for the Award of Master of Engineering Degree (M. Eng) in Polymer and Textile Engineering, August 16, 2023 (Faculty Defense).
- Certificate of Outstanding Contribution in Reviewing Manuscript Number: UJEAS-23-075 Titled: Empirical Analysis of Ceramic Ware Shrinkage Based on the Operational Influence of Firing Temperature and Sustained Porosity. UNIZIK Journal of Engineering and Applied Sciences on October 25, 2023.
- Certificate of Reviewing Manuscript ID: epoly.2023.0121 Titled “Preparation and Application of Profiled Luminescent Polyester Fiber with Phase Change Materials” on 29-August-2023 De GRUYTER <https://mc.manuscriptcentral.com/epolymers>.
- Google scholar: Citations = 474; h-index = 12; i10-index = 14
- Total Number of Publications = 50
- Supervised over 30 Undergraduate Students
- Examined 5 Postgraduate Students
- Supervised 2 Postgraduate Masters Student
- Certificate of Participation-Exchange Visitor Program, Office of International Programs, Washington State University, USA
- Best Oral Presentation Award at the 5th International Scientific Conference on Applied Science and Engineering (ISCASE) held at Flora Grand Hotel, December, 29-30, 2015, Dubai, UAE
- Best Student in the First School Leaving Certificate Examination (FSLCE) of Army Children’s School, New Cantonment ‘D’ Kawo, Kaduna, Nigeria, 1983
- Chaired a Conference Session in 2nd International Conference on Energy, Environment and Agricultural Sciences held on 29-30 December 2015, at Flora Grand Hotel, Dubai, UAE
- Participated and presented a research paper, titled “Thermal, Mechanical and Rheological Properties of Agro Fiber Filled High Density Polyethylene Bio-composites (:5th ISCASE-58)” in Engineering held on 29-30 December 2015 at Flora Grand Hotel, Dubai, UAE

- Participated and presented a research paper, titled “Effect of Nanographene on the Mechanical Properties of Fluted Pumpkin Stem Recycled High Density Polyethylene Nanocomposites (PAPER C18)” in Faculty of Engineering, International Conference, 2022. Theme: Waste in Green Economy for Sustainable Industrial Development, held on 9-10 February, 2022 at University Auditorium, Nnamdi Azikiwe University, Awka, Nigeria
- 7th World Congress on Biopolymers and Polymer Chemistry & 8th Global Innovators Summit, December 06-07, **2021**/WEBINAR. Conference Theme: “Exploring Novel Innovations in the Field of Polymers & Biopolymers”. Oral Paper Presentation Titled “Effect of Nanographene on Mechanical Properties and Morphology of Nanocomposites Made of Recycled High-Density Polyethylene and Fluted Pumpkin Stem Agricultural Waste Material”.
- Institute of Polymer Engineers **2017** AGM/Conference, “National Economic Diversification: The Role of Polymer Engineers, held at National Engineering Center, Abuja, Nigeria, 4-7th October, 2017 Paper Presented titled: “Physicomechanical Properties of Agro Waste Filled High Density Polyethylene Bio-composites”.
- Tertiary Education Trust Fund (TETFUND) Proposal Development Training Workshop at Law Auditorium, Ebonyi State University, Abakaliki, 2013
- ICT Capacity Building for Lecturers at the Information and Communications Technology/Research Center, Ebonyi State University, Abakaliki, 2014
- Best Practices on Quality Assurance in the Nigerian University System by the National Universities Commission, Ebonyi State University, Abakaliki, 2011
- Use of Statistics Software for Research, Ebonyi State University, Abakaliki, 2010
- Postgraduate Supervision Training, Ebonyi State University, Abakaliki, 2015
- Certificate of Excellence in Reviewing-Journal of Chemical Engineering and Materials Science. <http://www.academicjournals.org>
- Letter of Appreciation for Reviewing-Journal of Bioscience and Biotechnology Discovery. <http://www.integrityresjournals.org/jbbd/index.html>
- Formulation, Fabrication and Evaluation of high-performance agricultural waste epoxy polymer matrix composites for potential applications as engineering materials.

PUBLICATIONS

Books

1. **Ogah, A.O.** (2025). *Polymer Transformations*. Lambert Academic Publishing. ISBN: 978-620-8-89458-0.
2. **Ogah, A.O.** (2017). *Properties of Agrowaste Polymer Composites*. OmniScriptum Publishing Group, International Book Market Services Ltd. ISBN: 978-620-2-30335-4.

Book Chapters

3. **Ogah, A.O.**, Archibong, F.N., Ezeani, E.O., & Okpechi, V.U. (2025). The efficacy of piezo- and magnetoactive polymer scaffolds in tissue engineering. In *Hybrid Polymeric Systems for Biomedical Applications* (pp. 453–498). Elsevier. <https://doi.org/10.1016/B978-0-443-15564-2.00013-5>.
4. Nwuzor, I.C., **Ogah, A.O.**, Ezika, A.C., Madu, I.O., & Ibenta, M.E. (2025). Hybrid polymeric materials for potential applications in bone regeneration. In *Hybrid Polymeric Systems for Biomedical Applications* (pp. 53–89). Elsevier. <https://doi.org/10.1016/B978-0-443-15564-2.00004-4>.

5. **Ogah, A.O.**, Yudhanto, F., Syafri, E., Nwabueze, M.J., & Ogah, A.O. (2025). Effect of nanoclay filler on polymer composites: A review. In *Macromolecules and Their Multiphase Polymer Systems* (Chapter 5, pp. 170–203). Cambridge Scholars Publishing.
 6. **Ogah, A.O.**, Nkwede, J.O., & Alita, E.C. (2024). Effect of economic globalization on agricultural bang for the buck in China and Indonesia. In Ahmed, E. (Ed.), *Developing Digital Inclusion Through Globalization and Digitalization* (pp. 107–141). IGI Global. <https://doi.org/10.4018/979-8-3693-4111-7.ch007>.
 7. **Ogah, A.O.** (2022). Determination of rheological properties of natural fiber polymer composites. *Progress in Chemical Science Research*, 2, 53–58. <https://doi.org/10.9734/bpi/pcsr/v2/15359D>.
- Peer-Reviewed Journal Articles**
8. Nwabueze J. M., Francis C. E., Odo M. O., Gloria I.G., **Ogah A. O.**, Ugwu I. M. (2026). Evaluation of Glycemic Index, Antinutritional and Sensory Properties of Fufu from Blends of Aerial Yam (AYF), Finger Millet (FMF) and Pro-Vitamin A Cassava Flours (PVACF). *American Journal of Science and Engineering*, 11(2): 55-66. <https://doi.org/10.11648/j.ajset.20261102.12>
 9. Ezeani, O.E., **Ogah, A.O.**, Madu, I.O., & Okpechi, V.U. (2025). An overview of polymer-based piezoelectric nanogenerators derived from sustainable biowaste materials. *Journal of Inventive Engineering & Technology*, 7(2), 17–40.
 10. Mbam N. J., Ekwu, F.C., & **Ogah, A.O.** (2025). Physicochemical, thermal and pasting properties of flours from selected new yam cultivars. *Suranaree Journal of Science and Technology*, 32(5), 1–12. <https://doi.org/10.55766/sujst7048>.
 11. **Ogah, A.O.**, Ojukwu, U.P., Mbam Nwabueze, J., & Ohoke, F.O. (2025). Bioplastic from potato and Bambara nut shell agrowaste. *UNIZIK Journal of Engineering and Applied Sciences*, 5(3), 2664–2675.
 12. Nwigbo, S.C., Ijioma, N.O., & **Ogah, A.O.** (2025). Investigating thermal effect of castor seed shell use as cement raw mix admixture. *UNIZIK Journal of Engineering and Applied Sciences*, 4(1), 1461–1473.
 13. Yudhanto, F., Yudha, V., Budiyanoro, C., Jamasri, Priyahapsara, I., **Ogah, A.O.**, & Ridzuan, M.J.M. (2024). Effect of stacking sequence on the hybrid laminated composite for Savonius wind turbine blades. *International Review of Mechanical Engineering (I.RE.M.E.)*, 18(12), 615–624. <https://doi.org/10.15866/ireme.v18i12.24531>
 14. Wisnujati, A., Wardana, L.K., Yudhanto, F., Anugrah, R.A., Fakhira, S., & **Ogah, A.O.** (2024). Application technology and digital marketing for the improvement of production capacity in tempeh small industry. *BIO Web of Conferences*, 144, 05001. <https://doi.org/10.1051/bioconf/202414405001>
 15. **Ogah, A.O.**, Archibong, F.N., Ojukwu, U.P., Mbam, N.J., & Yudhanto, F. (2024). Investigating natural fiber reinforced polymer composites, biocomposites, bionanocomposites thermo-mechanical attributes and emerging implementations. *Journal of Fibers and Polymer Composites*, 3(2), 119–157. <https://doi.org/10.55043/jfpc.v3i2.136>.
 16. **Ogah, A.O.**, Nwoye, C.I., Ezeani, O.E., Ojukwu, U.P., Timothy, U.J., & Mbam, N.J. (2024). Quadratic model for evaluating the hardness of hazelnut shell polystyrene composite based on input concentration ratio of its constituent materials. *UNIZIK Journal of Engineering and Applied Sciences*, 3(3), 826–835.
 17. **Ogah, A.O.**, Mbam, N.J., Ojukwu, U.P., & Ohoke, F.O. (2024). Development of green composites based on castor bean shell (*Ricinus communis*) as filler in epoxy resin polymer. *Journal of Fibers and Polymer Composites*, 3(1), 1–19. <https://doi.org/10.55043/jfpc.v3i1.156>.
 18. **Ogah, A.O.**, Madu, I.O., Timothy, U.J., Eze, N.O., & Ikelle, I.I. (2024). Characterization of water absorption, thickness swelling and diffusion coefficient of natural fiber epoxy biocomposites for applications in aquatic environments. *Journal of Applied Physical Science International*, 16(1), 1–10. <https://doi.org/10.56557/JAPSI/2024/v16i18579>.

19. Yudhanto, F., Anugrah, R.A., Triwijayani, A.U., **Ogah, A.O.**, & Omar, M.A. (2024). Comparison study of water quality and organoleptic analysis of catfish (*Clarias* sp.) from conventional pond and aquaponic systems. *BIO Web of Conferences*, 137. <https://doi.org/10.1051/bioconf/202413703004>.
20. Okoye, I.J., Idumah, C.I., Ogbu, J.E., Obi, C., Ezenkwa, O., **Ogah, A.O.**, & Ibenta, M. (2024). Development, fabrication, characterization, features and multifarious applications of cryogel polymeric nanoarchitectures: A review. *Polymer-Plastics Technology and Materials*, 63(8), 990–1010. <https://doi.org/10.1080/25740881.2024.2310560>.
21. **Ogah, A.O.**, Archibong, F.N., Allen, M.A., Nlmedim, P.U., Ime, J.U., Chima, M.O., & Igberi, C.O. (2024). Evaluation of physical, mechanical and thermal properties of epoxy composites filled with bio-fiber derived from Bambara nut shell filler. *Polymer Bulletin*, 81(12), 10747–10765. <https://doi.org/10.1007/s00289-024-05227-8>
22. Friday, N.A., Louis, C. O., **Ogah, A. O.**, Stephen, O. M., Stephen, A. A., Michael, E. O., Christiana, O. I., Kosisochukwu, J. O., Melford, O. C. & Ikelle, I. I. (2023). Emerging progress in montmorillonite rubber/polymer nanocomposites: a review. *J. Mater Sci.*, 58(6): 2396-2429. <https://doi.org/10.1007/s10853-023-08173-4>
23. Ikelle, I. I., Eze, N. O., **Ogah, A. O.** (2023). Innovations for Sustainable Plastic Waste Management in Nigeria, *Environmental Contaminants Reviews (ECR)*, 6(2): 41-49. <http://doi.org/10.26480/ecr.02.2023.41.49>
24. Syukri, Y., Kuntum, K. U., Hairul, A., **Ogah, A. O.**, & Aulia (2023). Enhancing Current Density and Specific Capacitance of Nata de Coco, TEMPO, and MXene Composites through Boiling Time Variations, *Andalasian International Journal Applied Science Engineering Tech.* 3(3): 1-9, <https://doi.org/10.25077/aijaset.v3i3.110>
25. **Ogah, A. O.**, Madu, I.O., Timothy, U. J., Eze, N. O. & Ohoke, F. O. (2023). Effect of Immersion Temperature on Mechanical, Water Absorption and Morphological Properties of Sodium Hydroxide Modified Fluted Stem Pumpkin Fiber Reinforced Polyester Bio-composites, *Journal of Materials Science Research and Reviews*, 6(3): 455-467. <https://www.sdiarticle5.com/review-history/102622>
26. Ikelle, I., Nworu J., Eze, N., Nworie, F., John, J., Elom, N., & **Ogah A.** (2023). Production of Biogas from Residential Bio-waste with the Digestate as Soil Enhancer, *World Journal of Applied Chemistry*, 8(2): 34-38. <https://doi.org/10.11648/j.wjac.20230802.12>.
27. Friday, N. A., Louis, C. O., **Ogah, A.O.**, Peace, U. N., & Stephen, O. M. (2023). An Overview on Engineering Bio-Treatment Methods for Effluent in Food Processing Industries, *Global Journal of Science Frontier Research: H Environment & Earth Science*, 23(2):1-28
28. **Ogah, A.O.**, Ezeani, O.E., Ohoke, F.O., & Ikelle, I.I. (2022). Effect of Nanoclay on Combustion, Mechanical and Morphological Properties of Recycled High-density Polyethylene/Marula Seed Cake/Organo-modified Montmorillonite Nanocomposites, *Polymer Bulletin*, Springer, 80:1031-1058. <https://doi.org/10.1001/s00289-022-04574-8>
29. **Ogah, A.O.**, Ezeani, O.E., Nwobi, S.C., Timothy, U.J., & Ikelle, I. I. (2022). Identification of Opportunities for Utilization of Rice Husk Agricultural Waste Product, *Scientific Reports Journal*, 1-12. <https://doi.org/10.24189/SRJ.2022.100113>.
30. **Ogah, A.O.**, Ezeani, O.E., & Timothy, U. J. (2022). Mechanical and Morphological Properties of Fluted Pumpkin Stem Fiber (*Telfaira occidentalis*) Recycled High Density Polyethylene Nanocomposites, *South Asian Research Journal of Engineering and Technology*, 4(4): 46-54. <https://doi.org/10.36346/sarjet.2022.v04i04.001>.
31. **Ogah, A.O.**, Ezeani, O.E., Nwobi, S.C., & Ikelle, I. I. (2022). Physical and Mechanical Properties of Agro-Waste Filled Recycled High Density Polyethylene Bio-composites, *South Asian Research Journal of Engineering and Technology*, 4(4): 55-62. <https://doi.org/10.36346/sarjet.2022.v04i04.002>.
32. Timothy, U.J. & **Ogah, A.O.** (2021). Transport Properties of Toluene through Reactive Compatibilized Polyethylene Terephthalate/Natural Rubber using Dikanut Shell Powder as Filler, *European Journal of Advances in Engineering and Technology*, 8(5): 9-20. www.ejaet.com

33. Nworie, F.S., Nwabue, F. I.K., Ikelle, I.I., **Ogah, A.O.**, Elom, N., Illochi, N.O., Itumoh, E.J. & Oroke, C.E. (2019). Activated Plantain Peel Biochar as Adsorbent for Sorption of Zinc (II) Ions: Equilibrium and Kinetics Studies, *Journal of the Turkish Chemical Society*, **5** (3):1257-1270. DOI: <http://dx.doi.org/10.18596/jotcsa.438332>
34. **Ogah, A.O.** (2017). Characterization of Sorghum Bran/Recycled Low Density Polyethylene for the Manufacturing of Polymer Composites, *Journal of Polymer and the Environment*, **25** (3):533-543. <https://doi.org/10.1007/s10924-016-0830-3>.
35. **Ogah, A.O.** & Afiukwa, J.N. (2013). Characterization and Comparison of Mechanical Behavior of Agro Fiber Filled High-Density Polyethylene Bio-composites, *Journal of Reinforced Plastics and Composites*, **33** (1):37-46. <https://doi.org/10.1177/0731684413509425>
36. **Ogah, A.O.** & Timothy, U.J. (2018). Mechanical Behavior of Agricultural Waste Fibers Reinforced Vinyl Ester Bio-composites, *Asian Journal of Physical and Chemical Sciences*, **5**(1):1-10. <https://doi.org/10.9734/AJOPACS/2018/35841>.
37. **Ogah, A.O.** (2017) Rheological Properties of Natural Fiber Polymer Composites, *MOJ Poly Science* **1**(4): 1-3. <https://doi.org/10.15406/mojps.2017.01.00022>.
38. Ikelle, I.I., Nworie, F.S., **Ogah, A.O.** & Ilochi, N.O. (2017). Study on the Combustion Properties of Bio-coal Briquette Blends of Cassava Stalk, *ChemSearch Journal*, **8**(2): 29-34
39. **Ogah, A.O.**, Ikelle, I.I., Nworie, F.S. & Ilochi, N.O. (2017). Kinetic Analysis of Thermal Stability and Activation Energy of Agro Wastes Using Flynn-Wall-Ozawa and Coats-Redfern Models, *Nigeria Journal of Polymer Science and Technology*, **12**:1-8.
40. **Ogah, A.O.** & Chukwujike, I.C. (2017). Physicomechanical Properties of Agro Waste Filled High Density Polyethylene Biocomposites, *Journal of the Institute of Polymer Engineers*, **1**(2):1-10
41. **Ogah, A.O.** & Englund, K.R. (2016). Thermal, Mechanical and Rheological Properties of Agro Fiber Filled High Density Polyethylene Bio-composites, *International Journal of Chemistry and Materials Research*, **4** (2): 10-21. <https://doi.org/10.18488/journal.64/2016.4.2/64.2.10.21>.
42. **Ogah, A.O.**, Elom, N.I., Ngele, S.O., Nwofe, P.A., Agbo, P.E., & Englund, K.R. (2015). Water Absorption, Thickness Swelling and Rheological Properties of Agro Fiber/HDPE Composites, (IOSR) *Journal of Polymer and Textile Engineering*, **2**(3), 66-73. <https://doi.org/10.9790/019X-0236673>.
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44. Elom, N.I., Ngele, S.O., Agbo, P.E., Nwofe, P.A., **Ogah, A.O.** & Ekpe, J.E. (2015). Generation and Management of Electrical and Electronic Wastes (E-waste) in Abakaliki Capital Territory, Ebonyi State, Nigeria: Implications for Human Health Risk, *Journal of Applied Chemistry*, (IOSR-JAC) **8**, **11**(1): 41-48. <https://doi.org/10.9790/5736-081114148>.
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GRANTS AND FELLOWSHIPS

- TETFUND Grant (Nnamdi Azikiwe University, Institution Based Research, 2024) \$4,267.43
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- TETFUND Grant (Ebonyi State University, Conference Grant, 2005) \$867.12
- TETFUND Grant (Ebonyi State University, Research Grant, 2012) \$18,000

AWARDS AND HONORS

- Best Paper Award-5th International Scientific Conference on Applied Science & Engineering, 2015
- Certificate of Appreciation as Guest Lecturer, Annual Public Lecture/Symposium of Polymer Engineering Department, Nnamdi Azikiwe University, Awka, Nigeria, 2024
- Meritorious Award for Contributions to Students Unionism, 2024
- Certificate of Participation-Exchange Visitor Program, Awarded by Office of International Programs Washington State University, Pullman, USA, 2013

PROFESSIONAL MEMBERSHIP ASSOCIATIONS

- Member Institute of Polymer Engineers
- Member Polymer Institute of Nigeria
- Member Council for the Regulation of Engineering in Nigeria (**COREN/REG/R65226**)
- Member Chemical Society of Nigeria

SKILLS

- Excellent Communication
- Conference Presentations
- Administrative Skills
- Mentoring and Coaching
- Cross-functional Team Leadership
- Engineering Documentation
- Writing Report
- Research Proficiency (Internet, Databases, MS-Office Suite)
- Scalability Strategies
- Stakeholder Communication
- Innovation Management
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