

RESEARCH AND PUBLICATIONS

1. Ikhazuagbe Hilary Ifijen, Isiaka O. Bakare, Efosa O. Obazee, **Oghomwen C. Ize-lyamu**, Nyaknno U. Udokpoh, Andrew O. Ohifuemen, Farouq U. Mohammed, E. A Fagbemi, Patrick O. Ayeke (2023): Utilization of Plant Oil Based-Fat liquor in the Processing of Leather. The Minerals, Metals & Materials Society (eds) TMS 2023 Annual Meeting & Exhibition. *The Minerals, Metals & Materials Series-Springer Nature*.
2. Ifeanyi J. Odiachi, **Oghomwen C. Ize-lyamu**, Osaro K. Ize-lyamu, Chikaodili D Ikechukwu, Ikhazuagbe Hilary Ifijen (2023): Systematic Review of the Synthesis of Titanium Oxide Nanoparticles via Plant Mediated Green Approach: The Minerals, Metals & Materials Society (eds) TMS 2023 Annual Meeting & Exhibition. *The Minerals, Metals & Materials Series-Springer-Nature*).
3. Uwumarongie, A.M.D., Ahmadu, R., Law-Ogbomo, K.E., Osaigbovo, A.U., Emuedo, O.A., Uzunuigbe E.O., Ohikhen, F.U., Chukwuka, A. N., Ugiagbe-Ekue, U., Omoruyi, J.I., **Ize-lyamu, O.C.**, Nwawe, A.K., Ehiwe, O.D., Omorogbe J.A., Aghedo, S.O., and Musa, S.O. (2022): Influence of Rubber Effluent and NPK Application on the Growth of Rubber (*Hevea brasiliensis* Wild ex A. de Juss. Muell.Arg.) Plant in Rubber/Snake Tomato Intercrop. *Greener Journal of Plant breeding and Crop Science* ISSN: 2354-2292 Vol. 10(1), pp. 31-39, 2022. <https://gjjournals.org/GJPBCS>.
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5. Fagbemi, E.A., **Ize-lyamu, O.C.**, Ohifuemen, A.O., Udokpoh, N.U., Osazee, F.O., and Umoh, F.M. (2019): Generation of Renewable Energy from Rubber Processing Effluent: An Overview of the Fundamental Principles Of Biogas Generation. *Proceedings of the 2019 International Rubber Workshop*. IRRDB-RRIN-C05, pp155-159.
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8. **Ize-lyamu, O.C.**, Mohammed, F.U., Ukpebor, J.E., Ize-lyamu, O.K., Bakare, I.O. and Ukpebor, E.E. (2018): Chemical Properties of *Acacia senegal* and its Potential use as Coagulant for Water Clarification. *Technical Transactions of Materials Science and Technology Society of Nigeria*, Vol. 1, pp 43-46.
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10. **Ize-lyamu, O. C.**, Ize-lyamu, O.K., Ukpebor, J.E, Ukpebor, E.E., Ehiwe D.O and Uwumarongie, A.M.D. (2017): Optimum Dose Determination and Treatment of Rubber Processing Effluent using *Jatropha Gossypifolia* Stem Latex. *Chemtech Journal*, 11:145-153.
11. **Ize-lyamu, O. C.**, Ize-lyamu, O.K., Ehiwe, O.D and Uwumarongie A.M.D. (2016): Comparative studies of the use of *Jatropha gossypifolia* stem latex with synthetic coagulants in the treatment of rubber processing sludge. *Chemtech Journal*, 11: 49-61.
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Paper Under Review

1. Evaluation of the transdermal delivery of amino acid in lipophilic gel formulations: prospect for muscle protein synthesis. Submitted for presentation at the Royal Society of Chemistry 5th Commonwealth Chemistry Posters. 11/09/2024 to 12/09/2024

CONFERENCES AND BOOK OF ABSTRACT

1. **Oghomwen Christie Ize-Iyamu**, Osaro Karl Ize-Iyamu, Ikhazuagbe Hilary Ifijen, Gladys Chioma Ugochukwu, Ukpebor Justina Ebehirieme and Emmanuel Ehiabhi Ukpebor.(2022): A Study on Carbon Monoxide Emissions in Some Resource-Limited Settings in Edo State, Southern Nigeria: Outdoor/Indoor Diurnal and Spatial Trends. *Water and Environmental Chemistry*. 3rd Commonwealth Chemistry Posters, *Royal Society of Chemistry – Building Networks to Address the Goals*, 28 – 29th September 2022.
2. **Oghomwen Christie Ize-Iyamu**, Emmanuel Ehiabhi Ukpebor, Osaro Karl Ize-Iyamu, Ikhazuagbe Hilary Ifijen and Eseosa Shirley Osazuwa (2022): Physico-Chemical Analysis of Moringa oleifera Seeds: Harnessing its Industrial Application Potentials. *Biodiversity and Natural Products*, 3rd Commonwealth Chemistry Posters, *Royal Society of Chemistry – Building Networks to Address the Goals*, 28 – 29th September 2022.
3. **Ize-Iyamu Oghomwen** Christie and Nicole Pamme (2022): Investigations of Copper Interference on the Colorimetric Determination of Zinc by Microfluidic Analytical Method. *Water and Environmental Chemistry*,

3rd Commonwealth Chemistry Posters, *Royal Society of Chemistry – Building Networks to Address the Goals*, 28 – 29th September 2022.

4. Ize-Iyamu, Oghomwen Christie, Nicole Pamme and Samantha Richardson. Colorimetric detection of zinc in water samples using paper-based microfluidic analytical devices. 2nd *Commonwealth Chemistry Posters, Royal Society of Chemistry – Building Networks to Address the Goals*, 30th September- 1st October 2021
5. **Ize-Iyamu, Oghomwen Christie**, Nicole Pamme and Ize-Iyamu Osaro Karl. Immobilization effect of polydiallyldimethyl ammonium chloride on zinc-zincon reactions on paper-based microfluidic analytical devices. Presented at the Royal Society of Chemistry Tokyo International Conference 2021(RSC-TIC2021): Spectroscopic Imaging and Sensing. 6th - 7th December 2021.
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