

i. **Academic Thesis and Dissertation:**

- (a) **Ofudje Edwin Andrew, (2005)**, Physico-Chemical Analysis of Water Samples (Using Four Different Waters in Ijagun and Its Environs), A Project Submitted to The Department of Chemistry, Tai Solarin University of Education.
- (b) **Ofudje Edwin Andrew, (2010)**, Equilibrium, Kinetic and Thermodynamic Parameters of Biosorption of Mn(II), Cr(VI) and Pb(II) by Untreated and Treated Corncob and Shaft, M.Sc. Dissertation, University of Agriculture, Abeokuta, Ogun State, Nigeria.
- (c) **Ofudje Edwin Andrew, (2018)**, Hydroxyapatite From Animal Wastes For The Remediation of Heavy Metals and Dye Contaminated Wastewater: Biological, Isothermal, Kinetics And Thermodynamics Studies, Ph.D. Thesis, Federal University of Agriculture, Abeokuta, Ogun State, Nigeria.

ii. **Research Work in Progress**

- (a) Synergistic Effect of Cu-Fe Neem Extract Nanoparticles in a Fenton-Like Advance Oxidative Removal of Pesticide and Azo Dye Compounds in Wastewater Treatment.

iii. **Journals Articles in Prints**

- (1). A.I. Adeogun, **E.A. Ofudje**, M.A. Idowu and S.A. Kareem. (2011). Equilibrium, Kinetic and Thermodynamic Studies of the Biosorption of Mn (II) ions from Aqueous Solute and Acid-treated Corncob. *Bioresources*, 6(4):4117-4134. Available at: [http://www.ncsu.edu/bioresources/BioRes\\_06/BioRes\\_06\\_4\\_4117\\_Adeogun\\_OIK\\_Equil\\_Biosorp\\_Mn\\_Aq\\_Soln\\_Corncob\\_Biomass\\_2011.pdf](http://www.ncsu.edu/bioresources/BioRes_06/BioRes_06_4_4117_Adeogun_OIK_Equil_Biosorp_Mn_Aq_Soln_Corncob_Biomass_2011.pdf)
- (2). A.I Adeogun, **E.A.Ofudje**, M.A. Idowu and S.A. Ahmed. (2012). Biosorption of Cr(VI) ion from aqueous solution by maize husk: Isothermal, kinetic and thermodynamic study. *Journal of Chemical Society of Pak.*, 34(6):1388-1396. Available online at: <http://jcsp.org.pk/index.php/jcsp/article/view/4635/3274>
- (3). A.I. Adeogun, **E.A. Ofudje**, M.A. Idowu and S.A. Ahmed. (2012). ‘Kinetic, thermodynamic and Isotherm Parameters of Biosorption of Cr(VI) and Pb (II) ions from Aqueous Solution by Biosorbent Prepared from Corncob biomass. *Indian Journal of Inorganic Chemistry*, 7(3):119-129. Available online at: <http://tsijournals.com/icaj/InoVol7Issue3/Abs05.html>
- (4). A.I. Adeogun, M.A. Idowu, **E.A. Ofudje**, S.O. Kareem and S.A. Ahmed (2013). Comparative biosorption of Mn(II) and Pb(II) ions on raw and oxalic acid modified maize husk: kinetic, thermodynamic and isothermal studies. *Applied Water Science*, 3(1): 167-179. Available online at: <http://link.springer.com/article/10.1007%2Fs13201-012-0070-1>
- (5). **E.A. Ofudje**, O.D. Williams, K.K. Asogwa, A.O. Awotula (2013). Assessment of Langmuir, Freundlich and Rubunin - Radushhkevich Adsorption Isotherms in the study of the biosorption of Mn (II) ions from aqueous solution by untreated and acid-treated corn shaft. *International Journal of Scientific and Engineering Research*, 4 (7): 1628-1634. Available online at: [http://www.ijser.org/ResearchPaperPublishing\\_July2013\\_Page4.aspx](http://www.ijser.org/ResearchPaperPublishing_July2013_Page4.aspx).

- (6). **Ofudje E.A.**, Akiode, K.O., Okon, U.E., Oduleye, O.S. and Williams, D.O. (2014). Proximate and Elemental Analysis of Catfish Reared in River and Pond Systems in Ogun State, Nigeria. *actaSATECH*, 5(2): 20 – 26. Available online at: [www.actasatech.com](http://www.actasatech.com)
- (7). **E.A. Ofudje**, A.O. Awotula, O. Alayande, K.K. Asogwa and O.D. Olukanni. (2014). Removal of Lead (II) ions from aqueous solution by *Tricholoma terreum*: kinetic studies. *Advances in Research*, 2(2):58-69. Available online at: <http://sciencedomain.org/issue/392>.
- (8). **E.A. Ofudje**, O. Alayande, G.O. Oladipo, O.D. Williams and O.A. Akiode. (2014). Heavy metals concentration at electronic-waste dismantling sites and dumpsites in Lagos, Nigeria. *International Research Journal of Pure and Applied Chemistry*, 4(6):678-690. Available online at: <http://sciencedomain.org/issue/536>.
- (9). K.K. Asogwa and **E.A. Ofudje**. (2014). Radiation and Chemical Reaction Effects on Exponentially Accelerated Isothermal Vertical Plate Cum Mass Flux. *International Journal of Mathematical Archive*, 5(10):81-89. Available online at: [www.ijma.info](http://www.ijma.info)
- (10). **E.A. Ofudje**, A.O. Awotula, G.O. Oladipo and O.D. Williams (2014). Detoxification of Chromium (VI) Ions in Aqueous Solution via Adsorption by Raw and Activated Carbon Prepared from Sugarcane Waste. *Covenant Journal of Physical and Life Sciences*, 2(2):110-122. Available online at: [journals.covenantuniversity.edu.ng/cjls/.../December2014/Ofudje.pdf](http://journals.covenantuniversity.edu.ng/cjls/.../December2014/Ofudje.pdf)
- (11). **E.A. Ofudje**, O.K. Akiode, G.O. Oladipo, A.E. Adedapo and L.O. Adebayo. (2015). Evaluation of the Chemical Composition of Soil at E-waste Blazing Sites in Computer Village, Ikeja, Lagos, Nigeria. *American Chemical Science Journal*, 7(1): 60-70. Available online at: <http://sciencedomain.org/issue/1045>.
- (12). S.O. Alayande, A.K. Akinlabi, **E.A. Ofudje**, G. Ezeh, G. Seglo and M. Umar. (2015). E-Waste Burning: Impact on metal components of dumpsite around Alaba Market, Lagos, Nigeria. *Journal of the Chemical Society of Nigeria*, 40(1):96-101.
- (13). **E.A. Ofudje**, O.K. Akiode and G.O. Oladipo. (2015). Application of Alkaline-modified Coconut Shaft as a Biosorbent for Pb<sup>2+</sup> Removal. *Bioresource*, 10(2):3462-3480. Available at: DOI: 10.15376/biores.10.2.3462-3480
- (14). **E. A. Ofudje**, O. K. Akiode, G. O. Oladipo, A. E. Adedapo and L. O. Adebayo. (2015). Discharge of Cr, Mn, Ni, Cu and Zn from E -waste Components into Dumpsites Soil at Westminster Market, Lagos Nigeria. *American Chemical Science Journal*, 7(2): 129 - 138. Available online at: <http://sciencedomain.org/issue/1046>.
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- (17). **E. A. Ofudje**, U. E. Okon, O. S. Oduleye and O. D. Williams. (2016). Proximate, Mineral Contents and Microbial Analysis of Kunu-Zaki (A Non-Alcoholic Local Beverage) in Ogun State, Nigeria. *Journal of Advances in Biology & Biotechnology*, 7(1): 1-8. Available online at: DOI: 10.9734/JABB/2016/26670.
- (18). S.O. Alayande, **A. E. Ofudje**, G.C. Ezech, G. Seglo, A.O. Omosalewa and I. Tubosun. (2016). Evaluation of Radiation Emission and Elemental Analysis Supported by in E-Waste Dumpsites. *FUW Trends in Science & Technology Journal*, 1(1):267-271.
- (19). Alayande, S.O., Bolarinwa, H.S., Akinsipo, B.O., **Ofudje, E. A.**, Fasasi, A.Y., Ajao, J.A., Pelemo, D.A. and Osinkolu, G.A. (2016). Study of Surface Modification of Electrospun Polyethylene Oxide Composite Fibre. *Fountain Journal of Natural and Applied Sciences*, 5(2):1 – 6.
- (20). Abideen I. Adeogun; **Andrew E. Ofudje**; Mopelola A. Idowu; Sarafadeen O. Kareem (2017). Facile Development of Nano Size Calcium Hydroxyapatite Based Ceramic from Eggshells: Synthesis and Characterization. *Waste Biomass Valorization*, 4(3): DOI 10.1007/s12649-017-9891-3. Available online at: [http://www.readcube.com/articles/10.1007/s12649-017-9891-3?author\\_access\\_token=fwbym1X1IxD4QAcDHcV7Pe4RwlQNchNByi7wbcMAY524DEbFyU9Y4GAsmi8eemybsCiSttE8pcRRwayYZDpDxqia\\_n3k0Ina6UE0rC2COHm0KRd luUViuRW7u3v3Qy4pPuoHbdYTCjIq49W7h5law%3D%3D](http://www.readcube.com/articles/10.1007/s12649-017-9891-3?author_access_token=fwbym1X1IxD4QAcDHcV7Pe4RwlQNchNByi7wbcMAY524DEbFyU9Y4GAsmi8eemybsCiSttE8pcRRwayYZDpDxqia_n3k0Ina6UE0rC2COHm0KRd luUViuRW7u3v3Qy4pPuoHbdYTCjIq49W7h5law%3D%3D).
- (21). Hambate G. Valery, Abdoul N. Rahman, Abdoul Wahabou, **Ofudje E. Andrew**, Abdelilah Chtaini and Benoît Loura. (2017). Electrocatalytic Oxidation of Dopamine On glassy Carbon Electrode Modified by Ethylcellulose/Clays. *Canadian Journal of Pure and Applied Sciences*, 11(2): 4263-4270. Available online at: [www.cjpas.net](http://www.cjpas.net)
- (22). **E.A.Ofudje**, J. B. Akinbile, A.O. Awotula, S. O. Alayande, E. U. Okon, O.D. Williams, and A.A. Ogundiran. (2017). Evaluation of Some Mineral Compositions and Risk Assessment of Pumpkin (*Telfaria Occidentalis*) and Lagos Spinach (*Celosia Argentea*) in Ewekoro and Ifo Local Government Areas of Ogun State, Nigeria. *Journal of the Chemical Society of Nigeria*, 42(2):31-34.
- (23). T. V. Adeselu, S. O. Alayande, J.A. Ajao, **E. A.Ofudje**, H.S. Bolarinwa, A.K. Akinlabi. (2017). Optical Properties of Electrospayed Chitosan and Composite Films. *Journal of the Chemical Society of Nigeria*, 42(2):56-58.
- (24). **Edwin. A. Ofudje**, Archana Rajendran, Abideen I. Adeogun, Mopelola. A. Idowu, Sarafadeen O. Kareem and Deepak K. Pattanayak. (2017). Synthesis of Organic Derived Hydroxyapatite Scaffold from Pig Bone Waste for Tissue Engineering Applications. *Advance Powder Technology*, DIO:org/10.1016/j.appt.2017.09.008.
- (25). Hambate, V. G., Ngouadjio, S., Dai-Yang, L., **Ofudje, E.A.**, Ketcha, M.J. and Loura, B. (2017). Chemical Treatment of Sugarcane Bagasse for the Production of Cellulosic Fibers. *Acta Technica Corviniensis-Bulletin of Engineering*, 3(7):33-38. Available online at: Romania. <http://acta.fih.upt.ro/pdf/2017-3/ACTA-2017-3-04.pdf>.
- (26) **E.A. Ofudje**, A.O. Awotula, G.V. Hambate, F. Akinwunmi, S.O. Alayande and O.D. Olukanni. (2017). Acid Activation of Groundnut Husk for Copper Adsorption: Kinetics

and Equilibrium Studies. *Desalination and Water Treatment*. 86:240–251. Available online at: <http://www.deswater.com/vol.php?vol=86&oth=86|August|2017>

- (27) Adeogun, Abideen Idowu; **Andrew Ofudje, Edwin**; Idowu, Mopelola; Olateju Kareem, Sarafadeen; Vahidhabanu, Shappur; Babu. (2018). Biomass derived hydroxyapatite for the effective removal of Reactive Yellow 4 dye: Equilibrium, Kinetic and Thermodynamic Studies. *America Chemical Society Omega*, 3:1991-2000. DOI: [10.1021/acsomega.7b01768](https://doi.org/10.1021/acsomega.7b01768).
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- (30) **E. A. Ofudje**, A. I. Adeogun, M. A. Idowu and S. O. Kareem. (2018). Synthesis and Characterization of Hydroxyapatite Nanoparticles and Its Adsorption Parameters for Zn(II) and Reactive Yellow 4 Dye in Aqueous Solution. *Journal of the Chemical Society of Nigeria*. 43(3): 409 -421. Available online at: <http://journals.chemsociety.org.ng/index.php/jcsn/issue/view/9>.
- (31) Abideen I. Adeogun, Mopelola A. Idowu, Oluwagbenga B. Oladeji, **Edwin A. Ofudje** and Adeboye O. Akinloye. (2018). Kinetic, Thermodynamic and Optimization Studies of Dilute Acid Hydrolysis of *Manihot esculenta* Peels for Glucose Production. *Waste Biomass Valorization*, pp. 1-10. Available online at: <https://doi.org/10.1007/s12649-018-0449-9>

#### **Chapter in Book:**

- (32). **E.A. Ofudje** (2010). Removal of lead (II) as pollutant from the environment by *tricholoma terreum*. *Multidisciplinary Educational Textbook*, p. 46-56. Edited by M. A. O. Sotayo, J. O. M. Oduwaiye, B. Edegbai and T. H. Adeniji.

#### **Edited Conference Proceedings:**

- (33). **Andrew Ofudje Edwin**, Abideen Idowu Adeogun, Mopelola Abidemi Idowu and Sarafadeen Olateju Kareem. (2017). Synthesis, Characterization and Bioactivity Evaluation of Hydroxylapatite Powder from Agricultural Waste. *Proceeding of the Second Zonal Conference of the Chemical Society of Nigeria, South West Zone held at Moshood Abiola Polytechnic*. Pp. 8-9.
- (34). **Edwin Andrew Ofudje**, Abideen Idowu Adeogun, Mopelola Abidemi Idowu, Sarafadeen Olateju Kareem and Samson Oluwagbemiga Alayande. (2017). Synthesis and characterization of nano crystalline hydroxylapatite. *Proceeding of the International Conference of the Chemical Society of Nigeria*, Pp. 79-80.

- (35). Alayande, S.O., Umar, M., **Ofudje, E.A.**, Oyesolape, B.A., Ayinde, W., Oladoyinbo, F., Okparachi, F.O., Dare, E. and Msagati, T.A.M. (2017). Green Capped Silver Nanoparticles as Colorimetric Sensor for Cationic Pollutants. *Proceedings of the 4<sup>th</sup> International Conference on Natural Resources Development and Utilization*. Published by Raw Materials Research Development Council, Nigeria. Pp. 98-109.