

CURRICULUM VITAE

A). BIO DATA

- (i) **Name:** EDWIN ANDREW OFUDJE (Ph.D)
- (ii) **Gender:** Male
- (iii) **Date of Birth:** 5th April 1982
- (iv) **Place of Birth:** Kajola, Ondo State
- (v) **Nationality:** Nigerian
- (vi) **Town and State of Origin:** Otor-Owhe, Delta State
- (vii) **Marital Status:** Married
- (viii) **Poster Address:** Department of Chemical Sciences, Mountain Top University, Kilometre 12, Lagos-Ibadan Expressway, Prayer City, Ogun State, Nigeria.
- (ix) **E-mail Address:** eaofudje@mtu.edu.ng, ofudjeandrew4real@yahoo.com;
- (x) **Phone Number:** +234-8060981250, +234-8084998206
- (xi) **Present Academic Rank:** Associate Professor (Physical/Environmental/Material Chemistry)
- (xii) **Scopus link:** <https://bit.ly/3f08JzG>
- (xiii) **OCRID:** 0000-0002-3004-3744
- (xiv) **Mendeley link:** mendeley.com/profiles/andrew-ofudje/
- (xv) **Researchgate:** https://www.researchgate.net/profile/Edwin_Ofudje/research
- Google scholar link:** <https://bit.ly/3PDnFEk>
- (xvi) **LinkedIn:** <https://www.linkedin.com/in/ofudje-edwin-7a068574/>
- (xvii) **Academia:** <https://mountaintopuniversity.academia.edu/AndrewOfudje>

B). ACADEMIC ATTAINMENTS

(1) Summary of Educational Qualifications

S/N	Qualification	Year
1	Ph.D. (<i>Physical Chemistry</i>)	2018
2.	M.Sc. (<i>Chemistry</i>)	2012
3	B.Ed. (<i>Chemistry/Mathematics</i>)	2004
4	SSCE	2000
5	Leaving School Certificate	1994

(2) Schools Attended with Dates

S/N	Institutions	From	To
1	Federal University of Agriculture, Abeokuta, Ogun State	2012	2018
2.	University of Agriculture, Abeokuta, Ogun State	2008	2012
3	University of Ibadan, Ibadan in Affiliation with Tai Solarin College of Education.	2001	2004
4	Community Grammar School Kajola,	1994	2000

	Ondo State.		
5	St. Stephen Primary School, Kajola Ondo state.	1989	1994

C). PRIZES, HONOURS, SCHOLARSHIP, NATIONAL AND INTERNATIONAL RECOGNITION

- (a) The Council of Scientific and Industrial Research (CSIR), India, and the World Academy of Sciences (TWAS) Postgraduate Fellowship, 2016 (CSIR-TWAS).
- (b) Research Training Fellowship for Developing Country Scientists (RTF-DCS), India, 2015.
- (c) Best Graduating Student in Chemistry, Tai Solarin University of Education, 2003/2004 Session.
- (d) Best Graduating student in the college of Science and Information Technology, Tai Solarin University of Education, Ijebu-Ode. 2003/2004 Session.
- (e) Best Graduating Student in the University, Tai Solarin University of Education, Ijebu-Ode. 2003/2004 Session.
- (f) Scholarship Award, Tai Solarin College of Education, Ijebu-Ode. 2003

D). WORK EXPERIENCE

(i). Tertiary Institution Employment Records

Designation	Organization	From month	From Year	To month	To year
Associate Professor	Mountain Top University, Ogun State	June.	2021	Till Date	Date
Senior Lecturer	Mountain Top University, Ogun State	Sept.	2018	May.	2021
Lecturer I	McPherson University, Ogun State	Oct.	2015	Sept.	2018
Lecturer II	McPherson University, Ogun State	Oct.	2012	Sept.	2015
Lecturer III	D. S. Adegbenro ICT Polytechnic (An Ogun State Owned), Ogun State	Oct.	2011	Sept.	2012
Assistant Lecturer	D. S. Adegbenro ICT Polytechnic (An Ogun State Owned), Ogun State	March	2008	Sept.	2011
National Youth Service Corp	Isa Kaita College of Education, Katsina State	August	2006	August	2007

(ii) Courses Thought

COURSE CODE	TITLE	UNITS
CHM101	General Chemistry I	3
CHM 102	General Chemistry II	3
CHM 201	Physical Chemistry I	2

CHM 203	Inorganic Chemistry I	2
CHM 202	Organic Chemistry I	2
CHM 204	Analytical Chemistry I	2
CHM 305	Atomic and Molecular Structure and Symmetry	3
CHM 309	Applied Surface & Colloid Chemistry	2
CHM 317	Environmental Chemistry	1
CHM 324	Physical Chemistry II	2
CHM 403	Quantum Mechanics	2
CHM 402	Group Theory and Symmetry	2
CHM 404	Statistical Mechanics	2
CHM 405	Electrochemistry	2
CHM 406	Symmetry & Group Theory	2
CHM 412	Material Characterization and Processing	2
CHM 420	Statistical Thermodynamics	2
CHM 423	Coordination Chemistry	2
CHM 425	Nuclear Chemistry	2
CHM 823	Advanced Thermodynamics	3
CHM 965	Xenobiotics and Recalcitrant Organic Compounds	3

(iii). Administrative Functions

(a). D.S.Adebgenro ICT Polytechnic, Itori, Ogun State (2008 – 2012)

- (i). Examination and Time-Table Officer, School of Pure and Applied Sciences 2009-2011.
- (ii). Computation of Results for the Department 2009-2011
- (iii). Member, School Board of Studies (SPAS) 2008 – 2012
- (iv). Member, Academic Board. 2010 - 2012
- (v). Member Admission Committee 2010 – 2012
- (vi). Member, Academic Planning Committee 2011 – 2012

(b). McPherson University, Seriki-Sotayo, Ogun State (2012 – 2018)

(a) Administrative Functions

- (i). Ag. SIWES Director, 2016 – 2018
- (ii) Coordinator, Department of Chemical Sciences 2012-2016
- (iii). Secretary, McPherson University Staff Multipurpose Cooperative Society 2014–2018

- (iv). Member, College Board (COLNAS) 2012 – 2018
- (v). Member, Staff Housing committee 2013 – 2014
- (vi). Member, Staff Welfare Committee (COLNAS) 2012 – 2016.

(c). Mountain Top University, Prayer City, Ogun State (2018 – Date)

Administrative Functions

- (i). Ag. Dean, College of Basic and Applied Sciences 2021-Till Date
- (ii). Ag. Director, Centre for Research, Innovation and Collaborations 2020-2021
- (iii) Ag. SIWES Director, 2018 –2021
- (iv). Chairman, Staff Disciplinary Committee 2021-Till Date
- (v) Chairman, Committee on Sustainable Development Goals 2020-Till Date
- (vi) Chairman, Publication and University Ranking Committee 2020- Till Date
- (vii). Member, Committee on Strategic Document for the Development of MTU Permanent Site. 2022- Till Date
- (viii) Member, Academic Development Committee 2021-Till Date
- (ix). Member of University Environmental Sanitation Committee 2018 – 2021
- (x). Member of Senate 2018 – Till Date
- (xi). Member of College Board of Studies 2018- Till Date
- (xii) Member of University’s Ceremonies and Honours Committee 2019 – 2020
- (xiv) Secretary Mountain Top University Staff Cooperative Multipurpose Society Limited, 2019-Till Date
- (xvi) Member Postgraduate School Board 2019- Till Date
- (xvii) Member University Library and Publications Committee 2020- Till Date
- (xviii) Editor-in-Chief, Mountain Top University Journal of Pure and Applied Sciences 2020-Till Date
- (xix). LOC Secretary, 2nd International Conference on Entrepreneurship, (ICE-2020), Held at Mountain Top University, Ogun State, Nigeria, September, 15 – 16, 2020

d). University Extension Activities

(a) Brief description of Extension Activities

Serving as reviewer to some Journal outlets like Journal of the Chemical Society of Nigeria, Journal of Environmental Sciences by Springer, Current Biology by Springer, Progress in Biomaterials by Springer, Journal of Bioremediation by Tailor and Francis, Journal of Corrosion by Elsevier, Journal of Analytical Science and Technology by Springer, Journal of

E). COMMUNITY SERVICE

- i. Serving as Pastor-In-Charge of Area, The Redeemed Christian Church of God, Ogun Province 19, Ifo, Ogun State, 2022 – Till Date.
- ii. Served as Pastor-In-Charge of Parish, The Redeemed Christian Church of God, Ogun Province 19, Ifo, Ogun State, 2014 – 2021.
- iii. Serving as Secretary Mountain Top University Staff Cooperative Multipurpose Society Limited, 2019-Till Date.
- iv. Served as Secretary, McPherson University Staff Cooperative Multipurpose Society, 2014–2018.
- v. Served as Church Treasurer, The Redeemed Christian Church of God, Heaven’s Gate Parish, Ifo, Ogun State, 2009 - 2014.
- vi. Served as Secretary, The Redeemed Christian Church of God, Garden of Peace Area Headquarter Parish, Ifo, Ogun State, 2008 - 2014.
- vii. Served as Minister-in-charge of youth, The Redeemed Christian Church of God, Garden of Peace Area Headquarter Parish, Ifo, Ogun State, 2008 – 2011
- viii. Served as PRO, Academic Staff Union of Polytechnics (ASUP), Itori Chapter. 2010 – 2012
- ix. Served as member, McPherson Staff Housing committee, 2012 – 2014.
- x. Served as Ex-Officio, McPherson University Staff Cooperative Multipurpose Society, 2012–2014.
- xi. Served as Zonal Leader of the Redeemed Corper’s Fellowship, Katsina, 2006 - 2007.
- xii. Served as Speaker, National Association of Delta State Students’, TASUED Chapter, 2003 – 2004.

F). TRAINING PROGRAMME ATTENDED

- i. First Quarter Zonal Meeting of SIWES participating higher Institutions in Ogun State, held at Olabisi Onabanjo University, organized by Industrial Training Fund (ITF), March 25th, 2015.
- ii. Second Quarter Zonal meeting of SIWES participating higher Institutions in Ogun State, held at The Federal University of Agriculture, Abeokuta, organized by Industrial Training Fund (ITF), June 27th, 2015.
- iii. 5-days Retreat for SIWES Directors/Coordinators and all Categories of Employers in the Educational Sector Held at the Administrative Staff college of Nigeria (ASCON) Badagry, Lagos State, Organized by Industrial Training Fund, Abeokuta Area Office, 5th – 9th, October, 2015.
- iv. Fourth Quarter Zonal Meeting of SIWES participating higher Institutions in Ogun State, held at Moshood Abiola Polytechnic, organized by Industrial Training Fund (ITF), December 17th, 2015.
- v. 4-days Retreat for SIWES Directors/Coordinators which took place from 21st to 24th of November, 2016 at WEMBY SUITES, IBARA, Abeokua, Ogun State on ‘*Entrepreneurial Education: Emerging Trends, Skills Development and Challenges for 21st Century SIWES Administration*’.
- vi. 2-days Summit on Global Leadership Summit, 2018 held at McPherson University, Ogun State, May, 16-17th, 2018.
- vii. 2-days Workshop on Improving Students’ Academic Performance in Joint Universities Examinations Board (JUPEB) which took place at The School of Radiography, University of Lagos, Yaba Campus, Lagos State between 19th to 20th of November, 2018.

- viii. 1- day Lecture on the live and legacy of Humphrey H. Humbert which took place at the Public Affairs Section, U.S. Consulate General, 2 Walter Carrington Crescent, Victoria Island, as Organized by Hubert H. Humphrey Fellowship Alumni Association, Nigeria, April 5th, 2019.
- ix. 3-days Capacity Building Retreat for the Principal Officers, Deans, Heads of Departments, and Unit Heads of Mountain Top University Prayer City, Ogun State, Nigeria which was held between October 17-19, 2019 as organized by Institute for National Transformation.
- x. 4-days SIWES summit for all SIWES Directors/Coordinators on the future of SIWES and entrepreneurship in a digitized world For national development which was organized by the Industrial Training Fund, Abeokuta Area Office and took place from 29th of October to 1st of November, 2019 at the Pelica Hotel, Chevy View Estate, Lekki, Lagos-Nigeria.

G). AREA OF ACADEMIC INTEREST:

- (i) **For Research:** Kinetics, Material Chemistry and Environmental Pollution
- (ii) **For Teaching:** Physical/Environmental Chemistry/Material Characterization

H). ANALYTICAL TECHNIQUES SKILLS

X-ray diffraction (XRD), Fourier transform infrared spectroscopy (FT-IR), Scanning electron microscope (SEM), Transmission electron microscopy (TEM), X-ray Photoelectron Microscopy (XPS), Mercury porosimeter, Particle size analyzer, TGA/DTA.

I). PUBLICATIONS

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, (2012)**, 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.
- (b). Green Corrosion Inhibition of Mild Steel by Aqueous-Ethanol Extract of *Musa Paradisiaca* Leaves
- (c). Removal of Cu(II) from Aqueous Solution using Activated Carbon Prepared from Saw Dust

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. **Scopus indexed**
- (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 Pakistan*, 34(6):1388-1396.
- (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.
- (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.
- (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.
- (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.
- (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.
- (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.
- (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.
- (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.
- (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.
- (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. *J. Chem. Soc. Nigeria*, 40(1):96-101.
- (13). Ofudje, E. A., Akiode, O. K., Oladipo, G. O., Adedapo, A. E., Adebayo, L. O., and Awotula, A. O. (2015). Application of Raw and Alkaline-modified Coconut Shaft as a Biosorbent for Pb²⁺ Removal. *Bioresource*, 10(2):3462-3480. **Scopus indexed**

- (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.
- (15). **E.A. Ofudje**, A.O. Awotula, O.K. Akiode, F. Akinwunmi, L.O. Adebayo (2015). Distribution of Iron in *Desmodium intortum* and *Talinum triangulare* Vegetables in Ifo and Ewekoro Local Government Areas of Ogun State, Nigeria. *ActaSATECH*, 6(1): 37 – 46.
- (16). **Ofudje, E. A.**, Akinbile, B., Awotula, A. O., Oladipo, G. O. and Adedapo, E. A. (2015). Kinetic studies of thiocyanate ions removal from aqueous solution using carbonaceous guinea-corn. *Journal of Science Research*, 14:94-101.
- (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.
- (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. **Scopus indexed**
- (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.
- (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. Adeseluka, 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. Published by Chemical Society of Nigeria (CSN), **Nigeria**.
- (24). Akinbile B., Temilola O., Olayinka K., **Ofudje E.A.** (2017). Determination and Characterization of Caffeine in Tea, Coffee and Soft Drinks by Derivative Spectrophotometry and High Performance Liquid Chromatography. *Biomedicine and Nursing*, 3(2): 92-101. doi:[10.7537/marsbnj030217.14](https://doi.org/10.7537/marsbnj030217.14).
- (25). **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.ap.2017.09.008. Published by Elsevier, **Japan**. **Scopus indexed**

- (26). Hambate, V. G., Ngouadjio, S., Daï-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.
- (27) **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. **Scopus indexed**
- (28) Adeogun, Abideen Idowu; **Andrew Ofudje, Edwin**; Idowu, Mopelola; Olateju Kareem, Sarafadeen; Vahidhabanu, Shappur; B. Ramesh 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. **Scopus indexed**
- (29) Abideen Idowu Adeogun, **Edwin Andrew Ofudje**, Mopelola Abidemi Idowu, Sarafadeen Olateju Kareem, Shappur Vahidhabanu, B. Ramesh Babu. (2018). Biosorption of Cd²⁺ and Zn²⁺ from aqueous solution using tilapia fish scale (*Oreochromis sp*): Kinetics, isothermal and thermodynamic study. *Desalination and Water Treatment*, 107:182-194. **Scopus indexed**
- (30) **Edwin Andrew Ofudje**, Fatai Akinwunmi and Abimbola Aina Ogundiran. (2018). Uptake of Heavy Metals by Plants Obtained from Electronic-Waste Dumpsites. *Nigerian Research Journal of Chemical Sciences*, (4):134-148.
- (31) **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.
- (32) 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. **Scopus indexed**
- (33) **Edwin A. Ofudje**, Ayodeji O. Awotula, Gomdje V. HAMBATE , Samson O. Alayande, Abimbola A. Ogundiran and Olumide D. Olukanni (2019). Sorption of Methylene Blue by Activated Carbon Primed from Sugar Cane Bagasse. *Canadian Journal of Pure and Applied Sciences*, 13(1): 4747-4764. Available online at: <http://www.cjpas.net/archive/?volume=13&issue=1>
- (34) S.O. Alayande, T. V. Adeselu, B. J. Odewumi, N. Torimiro, O. B. Daramola, K. Sodeinde, O. M Ighodaro, **E. A. Ofudje** And J. A. Ajao. (2019). Evaluation of microbial inhibition properties of green and chemically synthesized ZnO nanoparticles. *Bull. Mater. Sci.* (2019) 42:101. Available online at: <https://doi.org/10.1007/s12034-019-1761-0>. **Scopus indexed**
- (35) **E. A. Ofudje**, A. I. Adeogun, M. A. Idowu, S. O. Kareem. (2019). Synthesis and Characterization of Zn-Doped Hydroxyapatite: Scaffold Application, Antibacterial and Bioactivity Studies. *Heliyon*, 4 (2019) e01716. <https://doi.org/10.1016/j.heliyon.2019.e01716>. Published by Elsevier. **Scopus indexed**
- (36) **Edwin A. Ofudje**, Idowu A. Adeogun, Mopelola A. Idowu Sarafadeen O. Kareem, Nelly A. Ndukwe (2020). Simultaneous Removals of Cadmium (II) ions and Reactive Yellow 4 dye from Aqueous Solution by Bone Meal Derived Apatite: Kinetics, Equilibrium and Thermodynamic Evaluations. *Journal of Analytical Science and Technology*, 11:7; doi.org/10.1186/s40543-020-0206-0, Published by Springer. **Scopus indexed**
- (37). **E. A. Ofudje**, E.F. Sodiya, F. H. Ibadin, A. A. Ogundiran, O. A. Osideko And A.O. Uzosike. (2020). Sorption of Cd²⁺ From Aqueous Solutions Using Cassava (*Manihot Esculenta*) Waste: Equilibrium and Kinetic Studies. *Journal of Chemical Society of Nigeria*, 45(3):448 – 457,

- (38). T. F. Akinhanmi, **E. A. Ofudje**, A. I. Adeogun¹, P. Aina and I. M. Joseph. (2020). Orange peel as low-cost adsorbent in the elimination of Cd(II) ion: kinetics, isotherm, thermodynamic and optimization evaluations. *Bioresour. & Bioprocess.* 7:34. <https://doi.org/10.1186/s40643-020-00320-y>, Published by Springer. **Scopus indexed**
- (39) Michael Bamitale Osho, Angel Onyedikachi Precious-Egere, Ayodeji Olusola Awotula and **E. A. Ofudje** (2020). Microbial synthesis and characterization of silver nanoparticles by *Lactococcus lactis* TNM-B1 and its antimicrobial properties. *Res. J. Microbiol.*, 15: 68-76, DOI: 10.3923/jm.2020.68.76, Publish by Science Alert.
- (40). A. O. Awotula, **E.A. Ofudje**, F. M. Adediji, O. O. E.N. Ezima and O.D. Olukanni (2020). Ecotoxicological Risk Assessment and Bioremediation of a Dairy Wastewater by *Alcaligenes faecalis*. HUMASS, pp. 135-150. *Published by McPherson University.*
- (41) **E. A. Ofudje**, E. F. Sodiya, F. H. Ibadin, A. A. Ogundiran, S. O. Alayande & O. A. Osideko (2020): Mechanism of Cu²⁺ and reactive yellow 145 dye adsorption onto eggshell waste as low-cost adsorbent, *Chemistry and Ecology*, DOI: 10.1080/02757540.2020.1855153. Published by Taylor and Francis and **Scopus indexed**
- (42). S.O. Alayandea, O.E. Kolawoleb, T.V. Adeselukac, O.E. Ogunjinmia, A.E. Adeoyea, E. Ajenifujad, **E.A. Ofudje**, and A.Y. Fasasi. (2021). Green synthesized silver nanoparticles and their use in optical detection of deterioration in onions. *Comprehensive Analytical Chemistry*, doi.org/10.1016/bs.coac.2021.01.010. Published by Elsevier and **Scopus indexed**
- (43). A. I. Adeogun, O. A. Osideko, M. A. Idowu, O.A. Akinloye and **E. A. Ofudje**. (2021): Synthesis, characterization and investigation of chitosan-functionalized ZnFe₂O₄ for the removal of dichlorvos from aqueous solution, *Journal of Dispersion Science and Technology*, DOI: 10.1080/01932691.2021.1930036. Published by Taylor and Francis and **Scopus indexed**.
- (44). **E. A. Ofudje**, A. E. Adedapo, O. B. Oladeji, E. F. Sodiya, F. H. Ibadin And D. Zhang. (2021). Nano-Rod Hydroxyapatite For The Uptake Of Nickel Ions: Effect Of Sintering Behaviour On Adsorption Parameters. *Journal of Environmental Chemical Engineering*, <https://doi.org/10.1016/j.jece.2021.105931>, Published By Elsevier and Indexed In Scopus.
- (45). Abimbola A. Ogundiran; N.A. Adesola Babarinde; **Edwin A. Ofudje**; and Olusegun O. Ogundiran. (2021). Removal of Heavy Metals from Aqueous Solutions using Modified Irish Potato Leaf as Low Cost Biosorbent: Kinetic and Thermodynamic Studies. *The Pacific Journal of Science and Technology*. Published by Akamai University, USA. <http://www.akamaiuniversity.us/PJST.htm>.
- (46). N. Blaise; H. G. Valery; R. Maallah; M. Oubaouz; B. T. D. Justin; **E. A. Ofudje** and A. Chtaini. (2022). Simultaneous Electrochemical Detection of Pb and Cd by Carbon Paste Electrodes Modified by Activated Clay. *Journal of Analytical Methods in Chemistry*, doi.org/10.1155/2022/6900839. UK. **Scopus indexed**.
- (47). **Edwin A. Ofudje**, Ezekiel F. Sodiya, Fatai Akinwunmi, Abimbola A. Ogundiran, Olugbenga B. Oladeji, and Oluremi A. Osideko (2022). Eggshell derived calcium oxide nanoparticles for Toluidine blue removal. *Desalination and Water Treatment*. doi: 10.5004/dwt.2022.28079: 247 (2022) 294–308, Published by Taylor and Francis, UK. **Scopus indexed**.
- (48). A.A. Ogundiran, N.A.A. Babarinde, **E. A. Ofudje** and O.O. Ogundiran. (2022). Sequestration of Co²⁺, Zn²⁺ and Cd²⁺ by Base Modified Sweet Potato Leaf: Kinetics, Equilibrium and Thermodynamic Studies. *Communication in Physical Sciences*, 8(1): 85-100. Published by University of Nigeria, Nsuka, Nigeria. Available online at: <https://journalcps.com/index.php/volumes>.
- (49). **E. A. Ofudje**, F. Akinwunmi, E. F. Sodiya, S. O. Alayande, A. A. Ogundiran and G. O. Ajayi. (2022). Biogenic preparation of biphasic calcium phosphate powder from natural

Book: Nil

i. **Chapter in Book:**

- (50). **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. Edebgai and T. H. Adeniji.

ii. **Edited Conference Proceedings:**

- (51). **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.
- (52). **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.
- (53). 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 4th International Conference on Natural Resources Development and Utilization*. Published by Raw Materials Research Development Council, Nigeria. Pp. 98-109.
- (54). **E. A. Ofudje**, A. I. Adeogun, M. A. Idowu, S. O. Kareem, S. O. Alayande and G. V. Hambate. (2018). Kinetic, Thermodynamic and Equilibrium Studies of the Removal of Cd²⁺ from Aqueous Solution by Hydroxyapatite. *Proceeding of the 41st International Conference, Workshop and Exhibition of the Chemical Society of Nigeria, Held at University of Ibadan*, Pp. 607-614.

(vi). **Accepted Article: Nil**

- (1). **E. A. Ofudje**, S. O. Alayande, A. A. Ogundiran, F. Hope Ibadin, O. Basirat Akinsipo-Oyelaja, G. Akhigbe and O. Bowale Oladeji. (In Press). Chemical Activation of Carbonized Neem Seed as Effective Adsorbent for Rhodamine B Dye Adsorption, Submitted to Green Chemistry for Sustainable Water Purification, Wiley.

(viii). **Major Conferences Attended with Papers Read**

- (1). A. I. Adeogun, **E. A. Ofudje**, M. A. Idowu and S. A. Ahmed (2012). Application of raw and chemically modified agricultural waste prepared from corn husk as biosorbents for the removal of heavy metals from aqueous solution.

Paper presented at the 35th conference, workshop and exhibition of the Chemical Society of Nigeria, Oweri, Imo State, Nigeria, September, 9 – 14, 2012.

- (2). **E.A. Ofudje**, O. S. Oduleye, O. D. Williams and U. E. Okon (2012). Sorption of Pb(II) ions onto biological material obtained from corn shaft: kinetics, equilibrium and thermodynamic studies.

Paper presented at the 10th National Conference of Academic Staff Union of Polytechnic (ASUP), Held at the Federal Polytechnic, Bauchi, Bauchi State, Nigeria, October 8th – 11th, 2012.

- (3). **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.

Paper presented at the 1st International Conference of the Covenant University, Department of Chemistry, Ota, Ogun State, Nigeria, July, 9 – 10, 2014.

- (4). **E. A. Ofudje**, A. K. Akinlabi, S. O. Alayande, G. Ezeh and I. Tunbosun (2014). Impact of burning waste electrical and electronic equipment on the elemental component of dumpsites in Alaba Market, Lagos, Nigeria.

Paper presented at the 37th conference, workshop and exhibition of the Chemical Society of Nigeria, Akwa Ibom State, Nigeria, September, 7 – 12, 2014.

- (5). **E. A. Ofudje**, A. I. Adeogun, M. A. Idowu, S. O. Kareem and S. O. Alayande. (2015). Synthesis and characterization of nano crystalline hydroxylapatite from bovine bone. *Paper presented at the 38th conference, workshop and exhibition of the Chemical Society of Nigeria, Abuja, Nigeria, September, 7 – 11, 2015.*

- (6). **Edwin A. Ofudje**, Abideen I. Adeogun, Mopelola A. Idowu, Sarafadeen O. Kareem and Deepak K. Pattanayak. (2016). From bio-waste to biomaterial: A facile approach for the synthesis of hydroxyapatite.

Paper presented at the 19th National Convention of Electrochemists (NCE-19), National Institute of Technology, Tiruchirappalli, Karaikudi, Tamil Nadu, India, March 28 to 29, 2016.

- (7). **Edwin A. Ofudje**, Abideen I. Adeogun, Mopelola A. Idowu, Sarafadeen O. Kareem and Deepak K. Pattanayak. (2016). Organic Derived non-Stoichiometric Hydroxyapatite Powder from Fish Scales.

Paper presented at the International Conference on Recent Trends in Bioscience, (ICRTB 2016) at Alagappa University, Karaikudi, Tamil Nadu, India, April 07 to 09, 2016.

- (8). **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.

Paper presented at Second Zonal Conference of the Chemical Society of Nigeria, South West Zone scheduled held at Moshood Abiola Polytechnic, May 18th-19th, 2017.

- (9). Akinbile Babatunde, Temilola Oluseyi, Olayinka Kehinde, **Ofudje Edwin Andrew**. (2017). Determination and Characterization of caffeine in tea, coffee and soft drinks by derivative spectroscopy and high performance liquid chromatography.

Paper presented at Second Zonal Conference of the Chemical Society of Nigeria, South West Zone held at Moshood Abiola Polytechnic, May 18th-19th, 2017.

- (10). 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.

Paper presented at the 4th International Conference on Natural Resources Development and Utilization organized by Raw Materials Research Development Council, Nigeria.

- (11). **E. A. Ofudje**, A. I. Adeogun, M. A. Idowu, S. O. Kareem, S. O. Alayande and G. V. Hambate. (2018). Kinetic, Thermodynamic and Equilibrium Studies of the Removal of Cd²⁺ from Aqueous Solution by Hydroxyapatite.

Paper presented at the 41st International Conference, Workshop and Exhibition of the Chemical Society of Nigeria, University of Ibadan, Ibadan, Oyo State, Nigeria, September, 17 – 21, 2018

- (12) **E. A. Ofudje**, A. I. Adeogun, M. A. Idowu, S. O. Kareem. (2019). Synthesis and Characterization of Zn-Doped Hydroxyapatite: Scaffold Application, Antibacterial and Bioactivity Studies.

Paper presented at the 42nd International Conference, Workshop and Exhibition of the Chemical Society of Nigeria and 4th ACRICE, Held at Academy, Lagos State, Nigeria, September, 8 – 13, 2019.

- (13). Uzosike, Anthony O., Idowu, M.A., Adeogun, A.I. and **Ofudje E.A.** (2019). Development of Magnetic Activated Carbon From Walnut for the Removal of Bisphenol-A from Water: Kinetics, Isotherms, Optimization and Thermodynamic Investigation.

Paper presented at the 42nd International Conference, Workshop and Exhibition of the Chemical Society of Nigeria and 4th ACRICE, Held at Academy, Lagos State, Nigeria, September, 8 – 13, 2019.

- (14). E.Sodiya and **E.A.Ofudje** (2020). The Entrepreneurial of Waste to Wealth: Utilization of Polyethylene Terephthalate (PET) Bottles in Material Science.

Paper presented at the 2nd International Conference on Entrepreneurship, (ICE-2020), Held at Mountain Top University, Ogun State, Nigeria, September, 15 – 16, 2020

- (15). **E.A. Ofudje**, G.O. Ajayi, F.H. Ibadin, E.F. Sodiya, S.O. Alayande (2020). Biogenic Preparation of Carbonated Apatite Powder from Natural Source of Snail Shells: Bioactivity Study.

Paper presented at the 43th International Conference, Workshop and Exhibition of the Chemical Society of Nigeria, Abuja, Nigeria, November, 22-27, 2020

K). COMMENDATIONS

(a). Commendation by McPherson University Staff Cooperative Multipurpose Society for my contributions to the society, June, 2014.

(b). Commendation by Dr. Deepak K. Pattanayak of CSIR-Central Electrochemical Research Institute, Karaikudi, Tamil Nadu, for my dedication to research work during the period of fellowship attachment, July, 2016.

L). MEMBERSHIP OF PROFESSIONAL BODIES

- i. Chemical Society of Nigeria (CSN)
- ii. International Association of Advanced Material (IAAM)

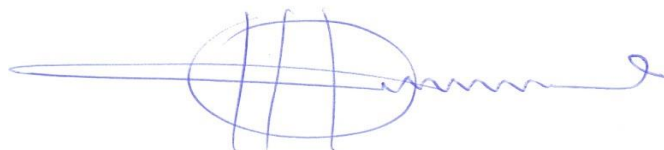
M). EXTRA-CURRICULAR ACTIVITIES: Reading, Research and Football.

N). REFEREES:

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A handwritten signature in blue ink, consisting of a large oval shape with vertical lines inside, followed by a long horizontal stroke that ends in a small loop.

Signature

10/05/2022

Date