

# Curriculum Vitae

## Professor OGUNNIRAN, Kehinde Olurotimi

### Abridged Resume

Professor Ogunniran Kehinde Olurotimi has established himself both as an academic and a researcher in the areas of Inorganic Synthesis and Material Chemistry. He is a graduate of University of Ilorin, Nigeria with B.Sc. (1999) and M.Sc. (2003) in Chemistry. He has Ph.D (Chemistry) from Covenant University, Nigeria in 2014. He started his academic career as Assistance Lecturer at Igbinedion University, Okada in 2005 before joining Covenant University in Dec., 2006. He teaches Inorganic/Physical/Industrial chemistry courses. Professor Ogunniran, K. O. was a recipient of TWAS fellowship in 2012 to complete his PhD research work at Central Drug Research Institute, Lucknow, India. He also won TWAS-CSIR postdoctoral fellowship to Central Electrochemical Research Institute in India in 2017. He is presently in collaboration with Dr R. Thangamuthu at Central Electrochemical Research Institute, India on material for energy Study. He has been actively involved in research through self-initiation and collaboration with other researchers and this has led to publications in accredited/peer-reviewed scientific journals. Prof. Ogunniran, K. O. is a distinguish Professor who is involved with teaching and projects/research supervision at both undergraduate and postgraduate levels. He was appointed Director of Research and Innovations at Kampala International University, Kampala, Uganda in 2018. He is presently an external examiner for Chemistry Department, Lagos State University, Lagos and Dean of College of Pure and Applied Sciences, Caleb University, Imota, Lagos.

### (Personal Data)

<b>Surname Name:</b>	<b>OGUNNIRAN</b>
<b>Other names:</b>	Kehinde Olurotimi
<b>Department:</b>	Chemistry Department
<b>Date of Birth:</b>	10 <sup>th</sup> of March, 1975
<b>Place of Birth:</b>	Oyo
<b>Age:</b>	48 years
<b>Nationality:</b>	Nigerian
<b>Permanent Home address:</b>	Ogunniran's villa, No 2, Behind Best Legacy College of Education, Ogbomoso, Oyo State.
<b>Current Postal address</b>	Chemistry Department, Caleb University, Imota, Lagos State.
<b>Cell Phone number:</b>	07039772668
<b>E-mail Address:</b>	<a href="mailto:kennyrothyfm@gmail.com">kennyrothyfm@gmail.com/</a> <a href="mailto:kehinde.ogunniran@calebuniversity.edu.ng">kehinde.ogunniran@calebuniversity.edu.ng</a>

<b>Google Scholar</b>	Kehinde ogunniran (Ph.D) - Google Scholar
<b>Marital Status:</b>	Married
<b>Number of Children / Ages:</b>	Three (19 yrs., 16 yrs. and 7 yrs)
<b>Next of Kin:</b>	Ogunniran, Folasade Olanike
<b>Address of Next of Kin:</b>	Same as above
<b>Area of Specialization:</b>	Industrial / Inorganic Chemistry with special interest in material Research

#### GOOGLE SCHOLAR CITATION PROFILE VIA URL LINK

**Google Citation Profile: Total Citation = 852, i10-index = 24, h-index = 16. as at January, 2023.** <https://scholar.google.com/citations?user=5HaE-2oAAAAJ&hl=en>

#### EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES

- |  |            |
|--|------------|
| (i) Covenant University, Ota, Ogun State.          | 2007-2014. |
| (ii) University of Ilorin, Ilorin, Kwara State.    | 1999-2003. |
| (iii) University of Ilorin, Ilorin, Kwara State    | 1993-1999. |
| (iv) Ogbomoso Grammar School, Ogbomoso, Oyo State. | 1987-1993. |
| (v) Osupa Baptist Day School, Ogbomoso, Oyo State. | 1981-1987. |

#### EDUCATIONAL QUALIFICATIONS OBTAINED WITH DATES

- |   |      |
|---|------|
| (i) Ph.D (Industrial/ Inorganic Chemistry)                            | 2014 |
| (ii) M.Sc. (Chemistry) 67.5% Aggregate                                | 2003 |
| (iii) B.Sc. (Hons.) Industrial Chemistry, 2 <sup>nd</sup> Class Lower | 1999 |

#### MEMBERSHIP OF LEARNED PROFESSIONAL SOCIETIES

- |   |                 |
|---|-----------------|
| (i) Chemical Society of Nigeria, (Member - CSN/OG/16/04214) | 2015- till date |
| (ii) Nigeria Academy of Science                             | 2017-till date  |

#### SCHOLARSHIPS AND PRIZES

- TWAS postdoctoral research fellow at Central for Electrochemical Research Institute, Kuraikudi, India. 2016- 2017
- TWAS postgraduate research fellow at Central Drug Research Institute, Lucknow, India. 2012- 2013.
- Best Academic Level Adviser in Chemistry Department 2008/2009.
- Best B.Sc. (Industrial Chemistry) project award, Department of Chemistry, University of Ilorin. 1998/1999.

#### TRAINING PROGRAMME ATTENDED

- Training of research fellow on the use of XRD, FESEM, HRTEM and Solid-state NMR at Central Electrochemical Research Institute, India. 2017
- Summer training on spectroscopy and structural elucidation organized by Indian Chemical Society for research institutes and chemical industries at Central Drug Research Institute, Lucknow, India. 2013.
- Training on the use of glass blowing section to enhance research output organized by center for research and development, Covenant University, Sango Ota. 2014.

<b>PREVIOUS WORKING EXPERIENCE</b>
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**1. Intercontinental Distillers.** Sango Ota, Idiroko road, Ota. 2000-2001.

**Position Held:** Quality Control Officer (NYSC)

**Duties Include:**

Analysis of Raw Materials for production.

Analysis of Finished Products

Blending of Products.

**2. University of Ilorin,**

Chemistry Department,

College of Sciences,

Ilorin, Kwara State.

**Position Held:** Demonstrator 2002-2004.

**Duties Include:**

Supervision of undergraduate practicals.

Grading of undergraduate practicals

Demonstrating in the laboratories

**3. Igbinedion University,**

Chemical Sciences Department,

College of Natural and Applied Sciences,

Okada, Edo State.

**Position Held:** Assistant Lecturer (step 02) 2005-2007.

**Taught courses :**

**CHM 111:** Physical Chemistry I

**CHM 121:** Inorganic Chemistry II

**CHM 212:** Physical Chemistry II

**CHM 316:** Physical Chemistry III

**CHM 221:** Inorganic Chemistry I

**CHM 416:** Polymer Technology II

**4. Obafemi Awolowo University,**

Chemistry Department,  
College of Natural Sciences,  
Ile-Ife, Osun State.

**Position Held:** Lecturer II (step 02) 2011/2012.

**5. Covenant University,**

Department of Chemistry,  
College of Sciences and Engineering.  
Ota, Ogun State.

<b>Position Held:</b>	Lecturer II	2008-2010.
	Lecturer I	2010-2014.
	Senior Lecturer (step 03)	2014-2018.
	Professor	Jan., 2018-2020.

**6. Kampala International University**

Physical Sciences Department,  
Kampala,  
Uganda.

**Position Held:** Professor / Director of Research and Innovations. 2020.

<b>PRESENT WORKING EXPERIENCE</b>
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**7. Caleb University**

Chemistry Department,  
Imota,  
Lagos.

**Position Held:** Professor / Dean of College of Pure and Applied Sciences.  
2021 -2023.

**Undergraduate Co-taught courses include:**

**CHM 111:** Physical Chemistry I  
**CHM 122:** General Inorganic Chemistry  
**CHM 211:** Inorganic Chemistry II  
**CHM 322:** Industrial Inorganic Chemistry  
**CHM 334:** Resource Inventory and Chemical Industries  
**CHE 222:** Selected topic in chemistry for non- majors  
**CHM 431:** Polymer Technology  
**CHM 432:** Mineral Processing  
**CHM 412:** Seminar  
**CHM 429:** Research Project

**Practical courses demonstration includes:**

- CHM 119:** General practical/Physical chemistry I
- CHM 129:** General practical chemistry II
- CHM 218:** Inorganic Chemistry Practical
- CHM 335:** General Industrial Chemistry Laboratory

**Postgraduate (M.Sc. / PhD)**

**Taught courses include:**

- CHM 833:** Homogeneous and Heterogeneous Catalysis
- CHM 812:** Advanced Inorganic Reaction Mechanisms
- CHM 842:** Advanced Organometallic Chemistry
- CHM 845:** Advanced Physical Chemistry
- CHM 871:** Inorganic Chemistry Techniques
- CHM 885:** Applications of Inorganic Spectroscopic Techniques
- CHM 928:** Selected Topics in Inorganic Chemistry
- CHM 911:** Research Methodology

**RESEARCH EXPERIENCE AND RESEARCH INTERESTS**

- Over ten years of research experience in synthesis of inorganic and bioinorganic compounds.
- Design and synthesis of bioactive metal complexes and energy materials research.
- Experience in the design of organic compounds that could be used to prepare metal complexes.
- Expertise in ligands characterization with the use of mass spectrometer, CHN analyser, FTIR, UV-Visible spectrophotometer, <sup>1</sup>H NMR, <sup>13</sup>C NMR, COSY, HSQC, HMBC and DEPT 135.
- Expertise in characterization of metal complexes with the use of CHN analyser, FTIR, UV-Visible spectrophotometer, Magnetic Susceptibility Meter, <sup>1</sup>H NMR, TGA/DTA, ESR, FESEM, TEM and Powder X-ray diffractometer.
- Experience in growing of single crystal for X-ray analysis.
- Experienced in synthesis of materials (perovskites) for solar cell and Li-ion batteries application.
- Working knowledge of the chemical databases and software for structural analysis.

**CURRENT RESEARCH**

**Area of Specialization:** *Inorganic Synthesis and Material Chemistry*

- Design, synthesis, characterization of perovskite for solar cell.
- Design and synthesis of new material as electrodes for Li-ion battery.
- Design and characterization of material for electrochemical water splitting

- The characterization includes the use of MS, NMR, XRD, ESR and TGA/DTA, FESEM, TEM, FTIR, and UV with Dr R. Thangamuthu, Electrochemical materials division, Karaikudi, India.

## SELECTED PUBLICATIONS

1. Akinlolu K., Shailendra T., **Ogunniran K. O.**, Encaged  $\text{Cu}^{2+}/\text{Co}^{2+}$  zeolite materials as efficient and reusable catalysts for oxidation of styrene. *Bulletin of Chem. Soc. of Ethiopia*, (2023) (acceptable for publication).
2. Nlebemuo M. T., **Ogunniran K. O.**, Synthesis and Characterization of Manganese Metal Complexes as Potential Material for Dye sensitized solar cell, *J. of Material Sc.* (2023) (Acceptable for publication)
3. O. C. Olawole, D. K. De, O. F. Olawole, R. Lamba, E. S. Joel, S. O. Oyedepo, A. Ajayi, O. A. Adegbite, F. I. Ezema, S. Naghdi, T. D. Olawole, O. O. Obembe, **K. O. Ogunniran**, Progress in the experimental and computational methods of work function evaluation of materials: A review, *Heliyon*, 8 (2022) e11030.
4. K.O. Ogunniran, G. Murugadoss, R.Thangamuthu, P. Periasamy, Evaluation of nanostructured  $\text{Nd}_{0.7}\text{Co}_{0.3}\text{FeO}_3$  perovskite obtained via hydrothermal method as anode material in Li-ion battery. *Material Chemistry and Physics*, 248 (2020) 122944. **IF=2.74**
5. **K. O. Ogunniran**, G. Murugadoss, R. Thangamuthu, Nanostructured  $\text{Gd}_{0.9}\text{Bi}_{0.1}\text{FeO}_3$  perovskite: Synthesis and investigation on morphology, optical, fluorescence and magnetic properties, *Solid State Sciences*, 93 (2019) 87-94. **IF=2.155**
6. **K. O. Ogunniran**, G. Murugadoss, R. Thangamuthu, S.T. Nishanthi, Nanostructured  $\text{CeO}_2/\text{FeO}_3/\text{Mn-rGO}$  composite as anode material in Li-ion battery, *Journal of Alloys and Compounds*, 786 (2019) 873-883. **IF=4.17**
7. **K. O. Ogunniran**, G. Murugadoss, R. Thangamuthu, J. Karthikeyan, P. Murugan, (2019) Integration of phenylammoniumiodide (PAI) as a surface coating molecule towards ambient stable  $\text{MAPbI}_3$  perovskite for solar cell application, *Solar Energy Materials and Solar Cells*, 191 (2019) 316–328. **IF=6.019**
8. Kayode Akinlolu, Bangboye Omolara, **Ogunniran Kehinde**, Tripathi Shailendra, Synthesis and characterization of A site doped lanthanum-based perovskite catalyst for oxidation of soot, *Material Science and Engineering*, 509, 012062, 2019.

9. Kayode Akinlolu, Bangboye Omolara, **Ogunniran Kehinde**, Tripathi Shailendra, Manoj Kumar, Synthesis and characterization of Cu(II) and Co(II) encapsulated metal complexes in zeolite-Y for the oxidation of phenol and benzene. **Material Science and Engineering**, 509, 012061, 2019.
10. **K. O. Ogunniran\***, G. Murugadoss, R. Thangamuthu, P. Periasamy, (2018) All inorganic based Nd<sub>0.9</sub>Mn<sub>0.1</sub>FeO<sub>3</sub> perovskite for Li-ion Battery application: Synthesis, Structural and morphological investigation. *Journal of Alloys and Compounds*, 766 (2018) 1014-1023. **IF=4.17**
11. **Ogunniran Kehinde Olurotimi**, Adekoya Joseph Adeyemi, Bamgboye Omolara Agbeke, Ojo Olajumoke, Siyanbola Tolutope Oluwasegun and Ezenkeanyi Godfery Sunday, 2017, Structural and Biological Activity Study of (*E*)-*N'*-(5-Chloro-2-Hydroxybenzylidene)Nicotinohydrazide][H<sub>2</sub>L] and some of its Divalent Metal Complexes, *Oriental Journal of Chemistry*, 33, (4): 1623-1635.
12. T.O. Siyanbola, A. F. Akinsola, O. R. Obanla, A. A. Adebisi, A. A. Akinsiku, I. O. Olanrewaju, **K. O. Ogunniran**, O. S. Taiwo, K. O. Ajanaku and O. A. Bamgboye, 2017, studies on the antibacterial and anticorrosive properties of synthesized hybrid polyurethane composites from castor seed oil, *RASAYAN J. Chemistry*, 10 (3) 1003 - 1014.
13. T. O. Siyanbola, A. F. Akinsola, J.A. Adekoya, **K.O. Ogunniran**, O.A. Jokotagba, A. Edobor-Osoh, C. O. Akintayo, O. Olaofe, E.T. Akintayo, 2016, Spectroscopic Examinations, Antimicrobial and Anti-corrosive Evaluations of Polyurethanes Synthesized from *Thevetia Peruviana* Seed Oil, *Oriental Journal of Chemistry*, 32, (1): 349-358.
14. **Kehinde Olurotimi Ogunniran**, Joseph Adeyemi Adekoya, Cyril Ehi-Eromosele, Olayinka Oyewale Ajani, Akinlolu Kayode and Tadigoppula Narender, 2016, (*E*)-*N'*-(2, 4-dihydroxybenzylidene)nicotinohydrazide and its Metal Complexes: Synthesis, Characterisation and Antitubercular Activity, *Pak. j. sci. ind. res. Ser. A: Physical Sciences*, 59(2):63-75.
15. Ehi-Eromosele C.O., Ita B.I., Iweala E.E., **Ogunniran K.O.**, Adekoya J.A., Siyanbola T.O., Silica Functionalized Magnesium Ferrite Nanocomposites for Potential, Biomedical Applications: Preparation, Characterization and Enhanced Colloidal Stability Studies, 2016, *Journal of Nano Research*, 40, 146-157. (Scopus and Thomson Reuters Indexed)
16. C.O. Ehi-Eromosele, B.I. Ita, E.E.J. Iweala, **K.O. Ogunniran**, J.A. Adekoya, F.E. Ehi-Eromosele, 2016, Structural and magnetic characterization of La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> nanoparticles obtained by the citrate-gel combustion method: Effect of fuel to oxidizer ratio,

*Ceramics International*, 42, (1), Part A, 2016, 636–643. (Scopus and Thomson Reuters Indexed) **IF = 2.605**

**17. Kehinde O. Ogunniran**, Joseph A. Adekoya, Cyril O. Ehi-Eromosele, Akinlolu Kayode, Micheal A. Mesubi and Tadigoppula Narender, 2015, Transition Metal Complexes of (*E*)-*N'*-(4-cyanobenzylidene)nicotinohydrazide): Synthesis, Structural and Anti-Mycobacterial Activity Study, *Journal of Applied Sciences* 15 (10): 1210-1222. (Scopus Indexed)

**18.** Adekoya, J.A., Dare, E.O., **Ogunniran, K.O.**, Olanrewaju, I.O., Revaprasadu, N., 2015, Tandem synthesis of some low and high indexed monometallic nanoparticles in polyols, poly(vinylpyrrolidone), trisodium citrate and dodecanethiol matrices, *Digest Journal of Nanomaterials and Biostructures*. 10 (4) 1311 – 1327. (Scopus and Thomson Reuters Indexed) IF = 0.956

**19.** P. A. L. Anawe , C. U. Obi , S. S. Mehdi , **K. O. Ogunniran** , B. I. Ita , and C. O. EhiEromosele, 2015, Experimental and Theoretical Studies of (*E*)-*N'*-1(4 propylbenzylidene)nicotinohydrazide as Corrosion Inhibitor of Mild Steel in 1 M HCl, *Protection of Metals and Physical Chemistry of Surfaces*, 51,(3) 458–466. (Thomson Reuter and Scopus Indexed) IF=0.74

**20.** O.O. Ajani, O.B. Familoni, D.V. Aderohunmu, **K.O. Ogunniran**, J.A. Adekoya and I.O. Olanrewaju, 2015. Comparative Study of the Antibacterial Activity of N, N-Diethylamido Substituted p-Toluenesulfonamides to their  $\alpha$ -Toluenesulfonamide Counterparts. *Pakistan Journal of Biological Sciences*, 18: 166-172. (Scopus Indexed)

**21. KO Ogunniran**, MA Mesubi, JA Adekoya, OO Siyanbola, AI Inegbinebor, OO Ojo, AE Adedapo, A Edobor-Osoh and T Narender (2015) Synthesis of (*E*)-*N'*-(5-bromo-2-hydroxybenzylidene)nicotinohydrazide) and its Pt(II), Zn(II), Mn(II), Ni(II) and Mo(V) complexes as potential anti-tubercular agent, *Canadian Journal of Pure and applied Sciences*. 9 (2): 3519 - 3534.

**22. Kehinde Olurotimi Ogunniran**, Micheal Adediran Mesubi, K. V. S. N. Raju and Tadigoppula Narender (2014) Structural and in vitro anti-tubercular activity study of (*E*)-7*N'*-(2,6-dihydroxybenzylidene)nicotinohydrazide and some transition metal complexes, *Journal of the Iranian Chemical Society*, DOI 10.1007/S13738-014-0544-1 (Scopus Indexed) IF= 1.087

**23. Ogunniran, KO**, Adekoya, JA, Siyanbola, TO, Ajayeoba, TA and Inegbenebor, AI (2013) Synthesis, Antibacterial and Toxicology Study of MN(II), Co(II) and Ni(II) Metal



Complexes of Sulfadoxine Mixed with Pyrimethamine. *Canadian Journal of Pure and applied Sciences*. 7 (3): 2619 - 2627.

**24. K. O. Ogunniran**, O. O. Ajani, C. O. Ehi-Eromosele, J. A. Obaleye, J. A. Adekoya and C. O. Ajanaku (2012) Cu(II) and Fe(III) complexes of sulphadoxine mixed with pyrimethamine: Synthesis, characterization, antimicrobial and toxicology study, *International Journal of Physical Sciences*, 7 (13): 1998 – 2005. (Scopus Indexed)

**25.** Olusola O. James, Sudip Maity, M. Adediran Mesubi, **Kehinde O. Ogunniran**, Tolu O. Siyanbola, Satanand Sahub and Rashmi Chaubey (2011) Towards reforming technologies for production of hydrogen exclusively from renewable resources, *Green Chem.*, **13**: 2272. (Scopus Indexed) IF= 1.36 5

**26. Ogunniran K. O.\***, Ajanaku K. O., James O. O., Ajani O. O., Nwinyi, O. C., and Allensela M. A. (2008) Fe(III) and Co(II) complexes of mixed antibiotics: synthesis, characterization, antimicrobial potential and their effect on alkaline phosphatase activities of selected rat tissues, *International Journal of Physical Sciences*, Vol. 3 (8), pp. 212-219. (Scopus Indexed)

**27. Ogunniran K. O.\***, Ajanaku K. O., James O. O., Ajani O. O., Nwinyi, O. C., Omonhimin C.A. and Allensela M. A. (2008) Structural and antimicrobial potential of some **mixed-antibiotics** complexed with transition metals and their effects on alkaline phosphatase activities of selected rat tissues, *Scientific Research and Essay*, 3 (8): 123-131. (Scopus Indexed)

**28. Ogunniran, K. O.\***, Ajanaku, K. O., James, O. O., Ajani, O. O., Adekoya, J. A. and Nwinyi, O. C. (2008) Synthesis, characterization, antimicrobial activity and toxicology study of some metal complexes of mixed antibiotics. *African Journal of Pure and Applied Chemistry*, 2 (7): 069-074.

**29. Ogunniran, K. O.\***, Tella, A.C., Yakubu, M.T., and Alensela, M. A. (2007) Synthesis, physical properties, antimicrobial potentials of some **antibiotics** complexed with transition metals and their effects on alkaline phosphatase activities of selected rat tissues. *African Journal of Biotechnology*, 6 (10): 1202-1208. (Scopus Indexed) IF= 0.564

**30.** Ogunbiyi, I.F\*, **Ogunniran, K.O.**, Bello, M.O. and Ibrahim, A.O. (2006) Nutritional values of *Brachytrupes Membranaceus* (Orthoptera Gryllidae) found in Nigeria, *Science Focus*, 11(2): 29-30.

31. Ajani O. O., **Ogunniran K. O.\***, Obafemi, C.A., Ikpo, C.O., and Nwinyi, O. C., (2009) Comparative study of microwave assisted and conventional synthesis of novel 2-quinoxalinone-3- hydrazone derivatives and its spectroscopic properties, *International Journal of Physical Sciences*, 4 (4): 156-164. (Scopus Indexed)
32. Ajani, O. O., Craig, A. O., Ikpo, C. O., **Ogunniran, K. O.** and Obinna, C. N., (2009) microwave-assisted synthesis and antibacterial activity of some pyrazol-1-ylquinoxalin-2(1H)-one derivatives, *Heterocyclic Chemistry*, 11: 1703-1713. (Scopus Indexed) IF= 0.787
33. O.O. James, M.A. Mesubi, L.A. Usman, S.O. Yeye, K.O. Ajanaku, **K.O. Ogunniran**, O.O. Ajani and T.O. Siyanbola. (2009) Physical characterisation of some honey samples from North-central Nigeria, *International Journal of Physical Sciences*. 4(9): 464 - 470.
34. James O. Olusola, Ajanaku K. Oluseyi, **Ogunniran O. Kehinde**, Ajani O.Olayinka, John M. Oluwatosin (2009) Adsorption Behaviour of [(4-Hydroxy-6 methyl-2-oxo-2Hpyran-3-yl)-(4-methoxy-phenyl)-1methyl]-urea on Stainless Steel in Phosphoric Media, *Portugaliae Electrochimica Acta*, 27(5), 591-598.
35. Nwinyi, Obinna C., Chinedu, Nwodo S., Ajani, Olayinka O., Ikpo Chinwe.O and **Ogunniran, Kehinde O.** (2009) Antibacterial effects of extracts of *Ocimum gratissimum* and *piper guineense* on *Escherichia coli* and *Staphylococcus aureus*, *African Journal of Food Science*, 3(3): 077-081.
36. Ajanaku, K.O., Dawodu, F.A., James, O.O., **Ogunniran K.O.**, Ajani, O.O. and Nwinyi, O.C. (2010) Histological studies of brewery spent grains in dietary protein formulation in Donryu rats. *Canadian Journal of Pure and Applied Sciences*. 4(2): 1179-1185.
37. Ajanaku, K.O., **Ogunniran, K.O.**, Ajani, O.O., James, O.O. and Nwinyi, O.C. (2010) Improvement of nutritive value of sorghum-ogi fortified with pawpaw (*Carica papaya L.*) *Fruit, Vegetable and Cereal Science and Biotechnology*. 4(1): 98-101
38. James, O.O., Ajanaku, K.O., **Ogunniran, K. O.**, Ajani, O.O., Siyanbola, T. O. and John, M. O., (2011) Adsorption Behaviour of Pyrazolo[3, 4-b]Pyridine on Corrosion of Stailless Steel in HCl Solutions, *Trends in Applied Sciences Research*, 6 (8): 910-917.
39. W.A. Adisa, **K.O. Ogunniran**, H.O. Otamere, A.O. Oyewopo, O. Okhiai, O.J. Olorunfemi and A.P. Ediangbe, (2011) Heamatological Effect of *Telfaria occidentalis* in Rats, *British Journal of Pharmacology and Toxicology*, 2(6): 290-292.

40. Joseph, A. Adekoya, Enock, O. Dare, **Kehinde O. Ogunniran**, Tolutope O. Siyanbola, Anuoluwa A. Akinsiku, Cyril O. Ehieremosele, Christiana O. Ajanaku, Winifred U. Anake, (2014) Facile route to synthesized organically capped size controlled silver nanoparticles, *International Journal of Scientific and Engineering Research*, 5 (3): 1220 - 1226.

41. Nwinyi Obinna C., Okonkwo C. O., Nwinyi C. E., Ajanaku K. O., Siyanbola T. O., **Ogunniran K. O.**, Ehi-Eromosele C. O., Akinsiku A. A., Ayano T., (2014) Evaluating the diesel biodegradation potential of wild microfungi isolated from decaying wood in Nigeria, *South Asian Journal of Experimental Biology*, 4 (3): 211-217. 10

42. **Ogunniran Kehinde**, Adekoya Joseph, Ehi-Eromosele Cyril, Siyanbola Tolutope, Aladesuyi Olanrewaju, Ajanaku Christiana, Akinlolu Kayode, Mehdi Shihab Salih and Narender Tadigoppula, 2016, Synthesis, characterization, theoretical treatment and antitubercular activity evaluation of (*E*)-*N'*-(2,5-dimethoxybenzylidene)nicotinohydrazide and some of its transition metal complexes against *Mycobacterium tuberculosis*, H37Rv, *Oriental Journal of Chemistry*. 32, (1) 413-427. (Scopus Indexed).

43. Olayinka O. Ajani, Martins T. Nlebemuo, Joseph A. Adekoya, **Kehinde O. Ogunniran**, Tolutope O. Siyanbola, Christiana O. Ajanaku, 2019, Chemistry and pharmacological diversity of quinoxaline motifs as anticancer agents, *Acta Pharm.* 69 (2) 177–196.

44. **Ogunbiyi, I. F., Ogunniran, K. O., Bello, M. O., Ibrahim, A. O.**, Nutritional values of *Brachytrupes Membranaceus* (Orthopetra Gryllidae) found in Nigeria. *Science Focus*, (2006), 111, 29-30.

#### BOOK CHAPTER

1. Joseph Adeyemi Adekoya, **Kehinde Olurotimi Ogunniran**, Tolutope Oluwasegun Siyanbola, Enock Olugbenga Dare and Neerish Revaprasadu (2017). Some Theoretical Aspects of the Quantum Properties of Metallic Nanoparticles. Intech Open Science Publisher, Noble and Precious Metals - Properties, Nanoscale Effects and Applications, DOI: 10.5772/intechopen.72761.

#### CONFERENCES / WORKSHOP ATTENDANCE

1. Waste to Wealth, Workshop Chemical Society of Nigeria Kwara State Chapter, Ilorin, 2004.

2. International Conference on modern method of research organized by Nestle Nigeria Plc held at Sheraton Hotel, Ikeja on 27th to 28th May 2008.

3. Biotechnology in an Emerging Economy, International Biotechnology Symposium (IBS) Covenant University, Ota, 2009.
4. 67th Annual Conference organized by the Indian Chemical Society held from 12th – 16th April, 2012 at Kolkata, India.
5. International Conference on Recent Developments in Drug Design held at Central Drug Research Institute, Lucknow, India. 2012.
6. Annual Conference on the role of Chemistry in treatment of cancers held at Central Drug Research Institute, Lucknow, India. 2012.
7. Symposium on solid state NMR, the present and the future held at Central Drug Research Institute, Lucknow, India. 2012.
8. Inegbenebor, Adedayo I., SanyaOlu, Olukayode P., **Ogunniran, Kehinde O.**, Inegbenebor, Anthony O., Adekola, Adefolake A., (2014), On Potentially Exploitable Base-Metal Containing Bentonite Clay Minerals of Ibeshi-Ikorodu South-Western Nigeria for Oil Bleaching, International Conference on Turning The Knowledge of Science into Development (CUCIC).
9. Green Synthesis, Characterization of Silver Nanoparticles Using *Canna Indica* and *Senna Occidentalis* Leaf Extracts. 2nd Covenant University-International Conference on Africa Development Issues, Covenant University, Ota, Nigeria, Date: 11-13, May, 2015.  
**(Oral Presentation)**
10. **Ogunniran, K. O.**, Ehi-Eromosele C. O., Siyanbola, T. O., Adekoya, J. A., Edobor-Osoh A. (Oral Presentation) Metal Complexes of Thiosemicarbazone: Single Source Precursors for Bis Semiconductors. CSN 39th International Conference, Workshop and AGM-Garden City 2016, River State University of Science and Technology, Rivers, Nigeria. Date: September 18 - 23, 2016.
11. Ehi-Eromosele C. O., Ita B.I., Iweala, E.E.J., **Ogunniran, K. O.**, Siyanbola, T.O., Adekoya, J.A., Edobor-Osoh A. (Oral Presentation). Synthesis, Characterization and pH Responsive Controlled Release Studies of 5-Fluorouracil Drug from Silica Coated La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> Magnetic Nanoparticles presented at International Chemistry Conference, University of Lagos, February 15-17, 2016.

12. **Ogunniran, K. O.**, Adekoya, J. A., Siyanbola, T. O., Ehi-Eromosele C.O., Edobor-Osoh A. (Oral Presentation). (*E*)-*N'*-(4- cyanobenzylidene)nicotinothiazide) and some of its metal complexes as potential antitubercular agents. Synthesis and Characterisation, presented at International Conference of Chemical Society of Nigeria, Port Harcourt, 2016.

#### **FELLOWSHIP AND COLLABORATION**

- TWAS\_CSIR postdoctoral research fellow at Central Electrochemical Research Institute, Karaikudi, Tamil Nadu, India. 2017.
- Third World Academy of Sciences postgraduate research fellow at Central Drug Research Institute, Lucknow, India. 2012 - 2013.
- Collaboration with Dr T. Narender, Medicinal and Process Control Division, Central Drug Research Institute, Lucknow, India. 2011-to date.
- Collaboration with Dr T. Thangamuthur, Chief Scientist, Material Research Division, Central Electrochemical Research Institute, Karaikudi, India. 2016-to date.

#### **UNIVERSITY RESEARCH GROUP**

- Material Research Group (Member)
- Bio-inorganic Research Cluster (Member)

#### **UNIVERSITY ASSIGNMENTS**

Chemistry Head of Industrial/Inorganic Chemistry Unit	2017- till date.
Member of University Energy Research Laboratory.	2017- till date.
Chairman, International Linkage Office.	2017/2019 Session
Chairman, University Quality and Academic Standards Committee.	2019/2020 Session
Member, Covenant University Senate	2018- till date.

#### **ACADEMIC ACTIVITIES OUTSIDE UNIVERSITY**

- External Examiner, Lagos State University, Ojo, Chemistry Department, 2022/2023 session.
- Professorial assessor for Dr Onwordi Chionyedua Theresa for the position of full Professor in the Department of Chemistry, Lagos State University, Ojo, 2023.

- External Examiner, Lagos State University, Ojo, Chemistry Department, 2020/2021 session.
- External accessor for DR T. I. Edewor, for the position of Professor in the Department of Pure and Applied Chemistry, LAUTECH. 2018.
- External Examiner for PhD defence of Mr J. T. Adejumo, in the Department of Pure and Applied Chemistry, LAUTECH. 2018.
- Reviewer for Arabian Journal of Chemistry (Elsevier)
- Reviewer for International Research Journal of Pure and Applied Chemistry (Science Domain Publishing).
- Reviewer for International Journal of Pure and Applied Chemistry (Academic Journal).
- Reviewer for Scientific Research and Essays (Academic Journal).
- Reviewer for Molecules (MDPI Publishing).
- Reviewer for African Journal of Biotechnology (Academic Journal).
- Reviewer for Canadian Journal of Pure and Applied Science (SENRA).
- Reviewer for International Journal of Applied Research in Natural Product.
- Reviewer for British Journal of Pharmaceutical Research (Science Domain Publishing).
- Reviewer for American Journal of Ethno medicine.

<b>SERVICE TO THE UNIVERSITY COMMUNITY</b>
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| 1. Member of Caleb University Management.                                      | 2021- till date. |
| 2. Member of the University Senate.  | 2021 till date.  |
| 3. Chairman, Caleb University Sport Committee.                                 | 2021 till date.  |
| 4. Chairman, Caleb University Research and Ethics.                             | 2021 till date.  |
| 5. Member, Caleb University Curriculum Review and Development Committee.       | 2021 till date.  |
| 6. Member, Caleb University Academic, Planning and Implementation Committee.   | 2021 till date.  |
| 7. Member, Caleb University Development Committee.                             | 2021 till date.  |
| 8. Member, Caleb University Academic Integrity Committee.                      | 2021 till date.  |
| 9. Chairman, Kampala International University Research and Innovation Team.    | 2020.            |
| 10. Member, Kampala International University Review and Development Committee. | 2020.            |
| 11. Chairman, Covenant University Academic standard and curriculum committee   | 2018-2019.       |
| 12. Chairman, Covenant University International Linkages committee.            | 2018.            |
| 13. Member, Covenant University internally generated revenue (IGR) committee.  | 2013- 2015.      |
| 14. Member, Local Organizing Committee for Chemistry Conference,               | 2014.            |

15. Level Adviser for four years to 2007/2008 set of students in Department of Chemistry, Covenant University. 2008 - 2011.
16. Supervision of students on SIWES and Industrial Visitation 2010 till date.
17. Member, Covenant University Quality Assurance and Academic Standard Committee. 2010 - 2012.
18. Member, Chemistry Departmental NUC Accreditation Committee. 2009 - 2012.
19. Member, Chemistry Department Board of Study 2006 -to date.
20. Member, Academic Planning Committee Department of Chemistry. 2008 - 2012
21. Member, Practical Manual Review Committee 2011 to 2012.
22. Member of Covenant University College of Sciences curriculum committee. 2014-2017.
23. Member of Covenant University College of Sciences curriculum committee 2016/2017.

<b>PROJECT AND Ph.D. THESIS SUPERVISED</b>
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**B.Sc. Project Supervision**

<b>Year of Supervision</b>	<b>No. of Projects Per Session</b>
2006/07	<b>4</b>
2007/08	<b>3</b>
2008/09	<b>3</b>
2009/10	<b>3</b>
2013/14	<b>3</b>
2015/16	<b>2</b>
2016/17	<b>4</b>
2018/2019	<b>3</b>
2019/2020	<b>3</b>
2021/2022	<b>3</b>
2022/2023	<b>8</b>
2023/2024	<b>8</b>

**M.Sc. Project Supervision (Sole Supervisor)**

**1. Title of Thesis:** Structural, thermal and antimicrobial activities studies of Pd(II), Pt(II) and Zn(II) metal complexes of some synthesized hydrazides.

**Name of Student:** Mr Goofrey Godwin

**Date/Year of Commencement:** 2013/2014

**Completed/Ongoing** (Anticipated date of Completion): Ongoing (completed in 2014/2015)

**2. Title of Thesis:** Synthesis of some metal-mixed organic frameworks (MOF-K1-12) and post-synthetic metalation with application in hydrogen storage.

**Name of Student:** Mr Tochukwu Henry

**Date/Year of Commencement:** 2017/2018

**Completed/Ongoing** (completed): Ongoing (2019/2020)

**PhD. Project Supervision** (Supervisor)

**1. Title of Thesis:** Synthesis, characterization and application of some nanostructured material for energy storage and catalytic study.

**Name of Student:** Dr Akinlolu Kayode

**Date/Year of Commencement:** 2013/2014

**Completed/Ongoing** (Completed)

**2. Title of Thesis:** New metal oxide composites as anode material in Li-ion batteries.

**Name of Student:** Mr Kayode Ajayi

**Date/Year of commencement:** 2017/2018

**Completed/Ongoing** (Completed)

**3. Title of Thesis:** Doped perovskite material as anode material in Li-ion batteries.

**Name of Student:** Mrs Bridget Adediran

**Date/Year of commencement:** 2021/2022

**Completed/Ongoing** (On going)

**ADMINISTRATIVE EXPERIENCE**

- Dean of the College of Pure and Applied Sciences, Caleb University, 2020 till date.
- Director, Research and Innovations, Kampala International University, Uganda, 2019.
- Head of Inorganic Chemistry Unit, Covenant University, 2016-2019.
- Level Adviser. Chemistry Department, Covenant University 2008-2011
- Departmental Liaison Officer, Chemistry Unit, Covenant University, 2016/2017.
- Departmental Examination Officer, Chemistry Unit, Covenant University, 2013-2015.
- Departmental coordinator, Chemistry Unit, Covenant University, 2015/2016.
- Head of Inorganic Unit, Chemistry Department 2017/2020.
- Chairman, University International linkage Office 2017/2018.
- Chairman, University and college of Sciences Quality assurance committee 2018/2020.

**CAREER PLAN AND PROGRESSION**

*Personal immediate career goals*



1. Design projects with highly expeditious synthetic pathways which are highly relevance in renewable energy.
2. Become a registered member of International Public Analysts of Nigeria (IPAN)
3. Creating an insight into entrepreneurship in making fresh graduates to set up and manage small scale business for sustenance, productivity and industrialization.

***Personal mid-term career goals***

1. Develop and synthesis new material by detailed follow-up on earlier virtual screening.
2. Secure grants for strengthening of our research base (instruments) by sending formidable research proposals to reputable sponsorship organizations.
3. Fortify the earlier established linkage with Central Electrochemical Research Institute, India. to drive research quality required to reach world class status
4. Establish more international linkages for enhancement of research quality and new discovery

***Personal long term career goals***

1. Setting up of a postgraduate laboratory in the area of my research field for quality academic mentorship
2. To become an erudite Professor and keep imparting this generation with quality teaching and research that has meaningful contribution to knowledge.
3. Industrial and Academic To well-equipped laboratory for all form of chemical analysis
4. Become a Nobel Laureate through tireless commitment in Inorganic Synthesis and Material Chemistry.

**HOBBIES**

- Riding Bicycle
- Playing Scrabble.
- Walking.

**REFEREES**

► **Prof. Adedibu C. Tella**

Chemistry Department,  
University of Ilorin.  
Kwara State.

► **Prof. Orukutan Abimbola**

Microbiology Department,  
Caleb University.  
Imota, Lagos State.

► **Prof. Akiibinu, Moses**

Chemistry Department,  
Ajayi Crowther University.  
Oyo, Oyo State.