Curriculum Vitae

SECTION A: PERSONAL DATA

Name	EMETERE Moses Eterigho
Academic Title	Professor
Gender	Male
Nationality	Nigeria
Marital Status	Married
Contact Address	Physics Programme, Bowen University Iwo, Osun, Nigeria
Country of Residence	Nigeria
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Links to online profiles	LIVE DNA: 234.7991 Research ID: M-8050-2013 ORCID: 0000-0002-2968-8676 Scopus ID: 55935714300 LinkedIn: https://www.linkedin.com/in/moses-emetere-2076173a/ Research Gate: https://www.researchgate.net/profile/Moses-Emetere Google Scholar:https://scholar.google.com/citations?user=NDcEsQsAAAAJ&hl=en Affiliation: https://bowen.edu.ng/moses-emetere/

SECTION B: PROFESSIONAL SUMMARY

Moses Emetere is a Professor of Physics at Bowen University, Iwo, Osun State, Nigeria and a visiting Professor at Electrical Engineering Technology, APK Campus, University of Johannesburg, South Africa. With over 21 years of research and teaching expertise, he has mentored several students within and outside Nigeria. His area of specialization includes Multidisciplinary Modelling, Renewable Energy, Energy Materials and Environmental research, with over 450 peer-reviewed publications, 6 books, and $130,000 in research grants. He is passionate about mentoring graduate students and fostering interdisciplinary collaboration to address pressing environmental challenges in third world countries. He has over 7 years administrative experience where he worked as Acting Head of Department, Head of Programme, Chair- Research Committee, Chair-College Postgraduate, Chair Curriculum, and Chair-

Think-Tank Committee. He is dedicated to capacity building, research planning, and industrial partnership. He is a consultant to industries on renewable energy and educational service.

SECTION C: EDUCATION HISTORY

#	Institution	Degree Type	Year
2	Federal University of Technology Minna, Major: Solid State Physics	Ph.D.	2016
3	Federal University of Technology Minna, Major: Solid State Physics	M.Tech.	2011
4	University of Maiduguri, Major: Education	PGD (Education).	2012
5	Ladoke Akintola University of Technology Ogbomoso, Major: Applied Physics	B.Tech.	2001

SECTION D: TRAININGS/SHORT COURSES

#	Training	Organization	Year
1	IBM SPSS Statistics 23	Bridge Academy	2021
2	Cousera Master Class: The Art and Science of Teaching Online	COUSERA	2020
3	Grammar and Pronunciation	COUSERA	2020
4	SCIVAL Training	ELSEVIER	2020
5	How to get your book published	ELSEVIER	2018
6	Why write book?	ELSEVIER	2018
7	Successful Grant Application	ELSEVIER	2018
8	Leadership Development	ALDC	2016
9	Workshop on computer coding	National Mathematical Center	2013
10	CISCO Certified Network Associate (CCNA- Stage 1)	CISCO	2008

SECTION E: SCHOLARSHIP

1. Past and Ongoing Research Endeavours

#	Title/Description of Research	Year
1	European Union Rise-Pearl Project	**2018**
2	West Africa Aerosol Dispersion Project	Till Date
3	Sustainable Energy for Developing Countries	Till Date
4	Emerging Novel Energy Material	Till Date
5	Built Environment Research (Multidisciplinary)	Till Date
6	Engineering Research (Multidisciplinary)	Till Date
7	Environmental Research (Multidisciplinary)	Till Date
8	Theoretical Research (Multidisciplinary)	**2019**

2. Publications: Journals

2.1. Sustainable Energy for Developing Countries

1. M.E. Emetere (2025). Staggered Gap Enhancement Using a Homostructure Double Transport Layer for an Improved Efficiency in Cu2ZnSnS4 Solar Cell, Brazilian Journal of Physics, 55 (5), 209, https://doi.org/10.1007/s13538-025-01836-4
2. M.E. Emetere (2025). Evaluation of the internal mechanisms of a Cu2ZnSnS4 absorber layer in a non-equilibrium state using mathematical and computational modeling, Optical and Quantum Electronics 57 (8), 1-18, https://doi.org/10.1007/s11082-025-08351-5
3. IA Salami, & ME Emetere (2025). A Review of the Significance of Perovskite Solar Cell Architecture for the Optimization of Photovoltaic Parameters, ES Energy & Environment, DOI:10.30919/ee1600
4. Olumide Olakunle Moyofola & Moses Eterigho Emetere (2025). Highly Efficient Cs_2SnI_6 Perovskite Solar Cell Through Optimization of Parameters and Device Architecture, Energy Science & Engineering, https://doi.org/10.1002/ese3.70153
5. Olumide Olakunle Moyofola & Moses Eterigho Emetere (2025). Numerical analysis of the optoelectronic properties of selected Sn-based perovskites solar cells using SCAPS simulation, Results in Optics, 21, 100868, https://doi.org/10.1016/j.rio.2025.100868
6. Olumide Olakunle Moyofola & Moses Eterigho Emetere (2025). Improving the performance conversion efficiency of perovskite solar cells through

optimization of charge transport layers: A review, Renewable and Sustainable Energy Reviews, 222, 115943, https://doi.org/10.1016/j.rser.2025.115943

7. ME Emetere (2025). Progress, limitations, and advances of biohydrogen technologies: bringing the technology close to energy participants in developing countries, Biofuels, 1-17, https://doi.org/10.1080/17597269.2025.2467493
8. TJ Ayua, and ME Emetere (2024). Technical and economic simulation of a hybrid renewable energy power system design for industrial application, Scientific Reports 14 (1), 28739
9. GE Akpan, ME Emetere, SA Afolalu, TC Jen. (2024). Prospective geothermal well and heat catchment locations in Nigeria: Remote sensing interpretations and field validation, Energy Exploration & Exploitation 42 (2), 567-588
10. ME Emetere (2024). Yttrium cuprates modification in linear generator application for power generation, Clean Energy, 8 (5), 229-240
11. ME Emetere, MI Oniha, DA Akinyosoye, GN Elughi, SA Afolalu (2024). Progress and challenges of green hydrogen gas production: Leveraging on the successes of biogas, International Journal of Hydrogen Energy, 79, 1071-1085
12. ME Emetere, AW Omotoso, SA Afolalu, L Amusan, TC Jen, KM Hossain (2024). Naturally Occurring Radioactive Materials and Heavy Metals in Photovoltaics: Insights into Short-and Long-Term Waste Hazards, Journal of Hazardous, Toxic, and Radioactive Waste 28 (3), 05024001, https://doi.org/10.1061/JHTRBP.HZENG-1281
13. M Muhammad Bakeko, KU Isah, AS Abdulkareem, SO Ibrahim, .ME Emetere, (2023). Fe-Mo/Kaolin Catalyst Optimization and Characterization for the Production of Carbon Nanotube Using the Wet Impregnated Method, Jordan Journal of Physics Volume 16, Number 5, 2023. pp. 539-550
14. ME Emetere, OE Dania, SA Afolalu (2023). Domestic Wind Energy Planning for Deprived Communities in the Tropics: A Case Study of Nigeria. International Journal of Renewable Energy Development, 12 (2), 1-13
15. ME Emetere, OO Bello (2024). Green-based modifiable CaZnBr4 for solar cells application, Materials for Renewable and Sustainable Energy 12 (3), 219-234
16. ME Emetere, MI Oniha, L Chikwendu, AD Akinyosoye, ET Akinlabi (2023). Enhanced Biogas Production from Human and Agro-Waste: Waste to Wealth Initiative, Waste and Biomass Valorization, 1-14
17. ME Emetere and W Joel (2023). Biofuel Commercialization in Developing Countries: Readiness and Prospects, Journal of Renewable Energy and Environment, 10 (4), 119-130
18. ME Emetere and GE Akpan (2023). Investigation of potential geothermal well locations in Nigeria using remote sensing and field measurement, International Journal of Sustainable Energy 42 (1), 627-647

19. M.E. EMETERE (2022). Geothermal Well Exploration in Nigeria Using Remote Sensing and Modified Thermal Equations, International Journal of Thermodynamics 25 (3), 22-30
20. Bello O.O. & Emetere, M.E., (2022). Progress and limitation of lead-free inorganic perovskites for solar cell application, Solar Energy, 243: 370–380
21. Emetere, M.E., Chikwendu, L., Abodunrin, T.J., Jen, T.C., Afolalu, S.A. (2022). A sustainable and affordable production design of cleaner biogas from human excreta using eggshell, Biomass Conversion and Biorefinery, https://doi.org/10.1007/s13399-022-02500-6
22. Emetere, M.E., Bello, O.O., Afolalu, S.A. (2022). Enhancement of novel NaZnBr3 perovskite for solar cells application, Energy Reports, 8, 4453-4460
23. Moses E. Emetere, L. Chikwendu, and S. A. Afolalu (2022). Improved Biogas Production from Human Excreta Using Chicken Feather Powder: A Sustainable Option to Eradicating Poverty, Global Challenges, 2100117, 1-11
24. ME Ojewumi, ME Emetere, OR Obanla, DE Babatunde, EG Adimekwe (2022). Bio-Conversion of Waste Paper Into Fermentable Sugars—A Review, Frontiers in Chemical Engineering 4, 926400
25. FB Elehinafe, OB Okedere, AO Mamudu, ME Emetere (2022). Energy Status, Energy Mix and Renewable Energy Potentials of Nigeria, Energy and Environment Research 11 (1), 1-50
26. Moses E Emetere, O Agubo and L Chikwendu, (2021). Erratic electric power challenges in Africa and the way forward via the adoption of human biogas resources, Energy Exploration & Exploitation, 39(4) 1–29, DOI: 10.1177/01445987211003678
27. Emetere M.E., Bello O., Afolalu S.A., Mamudu A.O., Amusan L.M., Iroham C.O., Odun-Ayo I. (2021). Parametric study of a proposed small hydropower project at Gurara-Nigeria, Cogent Engineering, doi 81187786810.1080/23311916.2021.1877868
28. Emetere, Moses E; Afolalu, SA; Adedayo, TOC; (2021). Analysis of Biodegradable Solid-State Filter Using Voltage Peak Analysis, Key Engineering Materials, 885: 47-52
29. Abodunrin, TJ; Emetere, ME; Obafemi, NO; Oyetade, OF; (2021). Metaheuristic conformal solutions for organic photovoltaic I–V curve tracers, Physics Open, 9:100087
30. Emetere, Moses E; Ahiara, Ikechukwu M; (2021). Synthesis and Characterization of Zinc Coated Carica papaya Extracts for Solid-State Application, Key Engineering Materials, 885: 53-57
31. Abodunrin T.J., Ajayi O.O., Emetere M.E., Popoola A.P.I., Uyor U.O., (2020). Popoola O.Investigating the electron tunneling effect on photovoltaic

performance of almond (Prunus dulcis) dye-sensitized solar cell, Heliyon, 61, e0296110.1016/j.heliyon.2019.e02961

32. M EMETERE, S Sanni, O Dauda, A Akinsiku, O Osunlola, A Adejumo, (2019). Operational Trends of a mini parabolic solar collector for agricultural purposes in a non-active solar environment, Journal of Computational & Applied Research in Mechanical Engineering 15:4
33. Emetere Moses E., Adesina Tijesuni, (2019). Energy Planning and Sustainable Biogas Production Prospect Within Residential Quarters in Developing Countries, International Journal of Engineering and Advanced Technology, 9:3084-3089
34. Emetere M. E., Okonkwo O. D., Jack-Quincy S. (2018). Investigation of local materials on the durability of energy generating biomass cook stove for rural settlers, International Journal of Engineering & Technology, 7 (3): 1874-1880
35. ME Emetere, OD Okonkwo, S Jack-Quincy, (2018). Investigating Heat Sink Properties for an Efficient Construction of Energy Generating Cook Stove for Rural Settlers, International Journal of Manufacturing, Materials, and Mechanical Engineering, 8(3): 12-22
36. ME Emetere, OI Osunlola, AD Adejumo, AO Dauda, (2018). Design and Construction of A Domestic Solar Power Bank in a Convective Environment, The Open Fuels & Energy Science Journal, 11(1): 16-28
37. Moses Eterigho Emetere, A.D. Adejumo, S.A. Adelekan (2018). Empirical investigation of locally made biodiesel on the automobile properties of diesel engine, MethodsX 5, 1456-1464
38. Julius Omodara, Daniel Ayo, Moses Emetere, Ayodeji Ayoola, (2018). Empirical model for optimizing shea butter extraction in an unbaffled vessel equipped with an impeller, Chemistry & Chemical Technology, 12(2): 221-228
39. Emetere M.E., Jack-Quincy S., Adejumo A., Dauda O., Osunlola I., Adelekan D., Adeyemi O.Empirical analysis of biodiesel effect on the automobile properties of diesel engine: A case study of olive and soya biomass (2018) Energy Science and Engineering 66, 69370510.1002/ese3.244
40. Emetere M.E., Ojewumi M.E. (2018). Numerical modeling of the heat transfer process in thermoelectric generator, International Journal of Mechanical Engineering and Technology, 9, 11-24, ART NO. 052414
41. Emetere M.E.., Falade A. (2018). Prospects of small scale wind-energy generation: Assessments of remote tropical setting, International Journal of Mechanical Engineering and Technology, 9, 353-3653, ART NO. 53365
42. Emetere M.E.., Okonkwo O.D., Jack-Quincy S. (2018). Investigating heat sink properties for an efficient construction of energy generating cook stove for rural settlers, International Journal of Manufacturing, Materials, and Mechanical Engineering, 8, 31222, DOI:10.4018/IJMMME.2018070102

43. Abodunrin T., Boyo A., Usikalu M., Emetere M.E., Ajayi O., Kotsedi C., Nuru Z., Malik M., Oghonyon G. (2018). Influence of n-Mosfet transistor on dye-sensitized solar cell efficiency, Heliyon, 412, e01078, DOI:10.1016/j.heliyon.2018.e01078
44. Emetere M.E., Sanni S.E., Dauda A.O., Akinsiku A.A., Osunlola O.I., Adejumo A.D .(2018). Operational trends of a mini parabolic solar collector for agricultural purposes in a non-active solar environment, Journal of Computational and Applied Research in Mechanical Engineering, 10, 120-121, DOI: 010.22061/jcarme.2019.3744.1437
45. Emetere M.E., Adejumo A.D., Adelekan S.A. (2018). Empirical investigation of locally made biodiesel on the automobile properties of diesel engine, Methods, X51, 4561464, DOI: 10.1016/j.mex.2018.10.020
46. ME Emetere, IS Aro, S Jack-Quincy, OD Okonkwo, ME Ojewumi, Omodara J., Jasper N., (2017). Investigating the cyclic breaking of butyl-, methyl-and ethyl-biodiesel from waste vegetable oil using ultraviolet-visible spectrophotometry, Cogent Engineering, 4, 1321084
47. M. E. Emetere, S. Jack-Quincy, S. I. Aro, O. D. Okonwo, F. T. Owoeye & S. E. Sanni (2017): Validation of biodiesel quality of Monodora myristica and Moringa oleifera using regression and error analysis of UV absorption results, Biofuels, DOI: 10.1080/17597269.2017.1345362
48. M. E. Emetere, (2017). Lightning as a Source of Electricity: Atmospheric Modeling of Electromagnetic Fields, International Journal of Technology, 8: 508-518
49. Sanni, S.E., Emetere, M.E., Efeovbokhan, V.E., Udonne, J.D. (2017). Process optimization of the transesterification processes of palm kernel and soybean oils for lube oil synthesis, International Journal of Applied Engineering Research, 12 (14): 4113-4129.
50. Emetere M.E., Okoro U., Etete B., and Okunbor G., (2016), Free energy option and its relevance to improve domestic energy demands in southern Nigeria, Energy Reports, 2, 229-236.
51. Moses E. Emetere, Marvel L. Akinyemi, and Etimbuk B. Edeghe, (2016). A Simple Technique for Sustaining Solar Energy Production in Active Convective Coastal Regions, International Journal of Photoenergy 2016, 3567502, 1-11, http://dx.doi.org/10.1155/2016/3567502
52. Emetere, M.E., and Akinyemi M.L., (2015) Weather Effect on Photovoltaic Module Adaptation in Coastal Areas, International Journal of Renewable Energy Research, 5(3), 821-825
53. Uno, UE; Emetere, Moses; Fadipe, LA; Oyediji, J; (2015). Progress on mangiferaindica as dye sensitized solar cell, International Journal of Applied Engineering Research, 10(7):17685-17695

2.2. Emerging Novel Energy Material

1. ME Emetere (2023). Limitation of solid-reaction technique in a controlled experiment: Characterization of polycrystalline LaCe0· 9Th0. 1CuOy compound, Kuwait Journal of Science 50 (4), 555-562
2. ME Emetere, (2020). Experimental validation of structural sequencing of La0. 2Sr0. 1Dy0. 1Cu0. 2Oy, Applied Physics A, 126(1): 1-13
3. Emetere M.E.Monte Carlo simulation of lattice analysis of complex LaCeTh0.1CuOy using ion bombardment technique (2020) Nuclear Science and Techniques3132510.1007/s41365-020-0738-4
4. Akinsiku A.A., Ajani O.O., Adekoya J.A., Emetere M.E., Dare E.O. (2020). Green synthesis of triclinic (anorthic) phase AgCoPO4 nanoparticles: optical studies and theoretical modelling, Heliyon, 69 e05029 DOI10.1016/j.heliyon.2020.e05029
5. Emetere M.E., Structural Dynamics of Chemical Instabilities in La2BaCe2Cu2Oy (2020) Journal of Superconductivity and Novel Magnetism, 33, 719952007 doi10.1007/s10948-020-05461-x
6. Emetere M.E., Ahiara I.M., (2020). Synthesis and characterization of aluminium coated Syzygium Samarangense extracts, Chemical Data Collections, 28,100418 doi 10.1016/j.cdc.2020.100418
7. Emetere, M.E., (2020). Photovoltaic Solar Spectral Filtering Using Bio-Filters, Academic Journal of Interdisciplinary Studies, 9:148
8. Emetere Moses E., Adeyemo Nehemiah, (2020). Spectral Filtering of Photovoltaic Cells using Novel Bio-Filter: Silver Coated Hibiscus Extract using Water Solution, International Journal of Recent Technology and Engineering, 8:330
9. Emetere, Moses E; Gabe-Oji, Testimony; Durodola, BM; (2020). Spectral filtering experimentation on Photovoltaic cells using novel bio-filter made from copper coated hibiscus-ethanol extract, International Journal of Electrical and Computer Engineering,10:3819
10. Emetere, Moses E; Ahiara, Ikechukwu M; (2020). Synthesis and characterization of aluminum coated Carica papaya extracts; Chemical Data Collections, 28:100381
11. Emetere M.E., Sanni S.E., Abodurin J.T., Okoro E.E., Atayero A.A., Akinsiku A.A. (2019). Structural investigation of La2SrDyCu2Oy complexities, Materials Chemistry and Physics, 229, 482-488 DOI:10.1016/j.matchemphys.2019.03.052
12. Akinsiku A.A., Ajanaku K.O., Adekoya J.A., Ajayi S.O., Emetere M.E., Dare E.O., (2019). Combined green synthesis and theoretical study of Ag/Co

nanoparticles from biomass materials, Applied Physics A: Materials Science and Processing, 125, 9643, DOI:10.1007/s00339-019-2931-z

13. Emetere Moses E., Adeyemo Nehemiah, (2019). Spectral Filtering of Photovoltaic Cells using Novel Bio-Filter: Silver Coated Hibiscus Extract using Butanol Solution, International Journal of Engineering and Advanced Technology, 9:724-727
14. Emetere Moses E. & Gabe-Oji Testimony, (2019), Spectral Filtering of Photovoltaic Cells using Novel Bio-filter , International Journal of Engineering Research and Technology, 12: 2633-2639
15. Emetere Moses E., Gabe-Oji Testimony, (2019), Spectral Filtering Copper Coated Hibiscus-Methanol Extract for Photovoltaic Module Applications, International Journal of Innovative Technology and Exploring Engineering, 9: 2894
16. Emetere, M.E., Nehemiah, A. (2019). Spectral filtering of photovoltaic cells using novel bio-filter: Silver coated ixora extract using methanol solution, (2019), Universal Journal of Mechanical Engineering, 7(6), pp. 424-431
17. ME Emetere, TWP Seadira, M Madhuku, ME Segale (2019). Investigating the Structural Modifications in LaAlYbCuO, Results in Physics, 12, pp. 1628-1644
18. Moses Eterigho Emetere, Solomon Jack-Quincy, Akolade Adejumo, Oluwatobi Dauda, Israel Osunlola, Damola Adelekan and Oladipupo Adeyemi (2018). Empirical Analysis of biodiesel effect on the automobile properties of diesel engine: A case study of Olive and Soya biomass, Energy Science & Engineering 6 (6), 693-705
19. Abodunrin, T., Boyo, A., Usikalu, M., Emetere, M., Ajayi, O., Kotsedi, C., Nuru, Z., (2018). Influence of n-Mosfet transistor on dye-sensitized solar cell efficiency. Heliyon 4 (12): e01078.
20. Anuoluwa Abimbola Akinsiku, Enock Olugbenga Dare, Kolawole Oluseyi Ajanaku, Olayinka Oyewale Ajani, Joseph Adebisi O Olugbuyiro, Tolutope Oluwasegun Siyanbola, Oluwaseun Ejilude, Moses Eterigho Emetere, (2018). Modeling and Synthesis of Ag and Ag/Ni Allied Bimetallic Nanoparticles by Green Method: Optical and Biological Properties, International journal of biomaterials, 2018:1-14
21. Olanrewaju Aladesuyi, Mousumi Pal, Eterigho Moses Emetere, Swapan Kumar Das, Kolawole Oluseyi Ajanaku, (2017). Influence of transition metal ion (mn4+) on mullite formation in a mixture of 50:50 Nigerian kaolin and calcined alumina, Cogent Engineering, 4 (1): 1396947
22. ME Emetere, OB Awojoyogbe, UE Uno, KU Isah (2016) Active ion rate participation in cuprates superconductivity, Crystallography Reports 61 (3), 401-409

23. Emetere M.E., Awojoyogbe O.B., Uno U.E., Isah K.U., Sanni E.S., & Akinyemi M.L.(2016), How reliable is the cuprates system to recent technology? International Journal of Electrical and Computer Engineering, 6 (4), 1534
24. Moses E. Emetere (2015) Presence Of Pseudo-Path In The Inter-Plane Penetration Depth Of Layered YBa2Cu3Oy,Journal of Superconductivity and Novel Magnetism 28(5), 1515-1523. DOI 10.1007/s10948-014-2939-8
25. Emetere, M.E., (2015). Cooling profiles of laser induced temperature fields for superconducting vanadium nitrate products, Heat Mass Transfer, DOI 10.1007/s00231-015-1573-8, pp. 1 - 11
26. Uno, UE; Emetere, Moses; Faluyi, ES; Gbenga, BA; (2015). Experimental evidence of quantum confinement impairment in the optical properties of annealed lead sulphide thin film, International Journal of Applied Engineering Research, 10 (7):17675-17683
27. Moses E Emetere (2015). Effects of Tunable Bloch Inspired Spin Orbit Interaction in the Electronic State Of Sr2RuO4. Journal of Superconductivity and Novel Magnetism 28(1), pp. 231-239 (DOI 10.1007/s10948-014-2848-x)
28. Moses E Emetere. (2014). Profiling Laser Induced Temperature Fields for Superconducting Materials Using Mathematical Experimentation. Journal of Thermophysics and Heat Transfer 28(4), pp. 700-707 (doi: 10.2514/1.T4407)
29. Uno E. Uno, Moses E. Emetere, Mathew Aplha. (2014). Crystalline Grain Size Effects On The Conductivity Of The Doped Tin Dioxide (SnO2) With Zinc (Zn). Journal of Ovonic Research, 10 (3), pp. 83-88
30. Uno E. Uno, Moses E. Emetere, Akhpelor A. Ohiozebau, Enebeli C. Benaiah, Onogu A. Williams (2014) Evidence of Positional Doping Effects on The Optical Properties Of Doped Tin Dioxide (SnO2) With Zinc (Zn). Journal of Ovonic Research 10 (4), pp. 141-147
31. Moses E Emetere. (2014). Characteristic Significance of Magnetic Relaxations on Copper Oxide Thin Film Using the Bloch NMR. Surface Review and Letters 21(5), 1450075, DOI: 10.1142/S0218625X14500759

2.3. Theoretical Research (Multidisciplinary)

1. M Emetere, A Falade, Loss Path Influence on the MRI Radio Frequency Pulse Sequence: A Theoretical Evidence, Open Access Macedonian Journal of Medical Sciences 7 (17), 2715(2019)
2. Emetere, Moses; Uno, Uno Essang; (2015). Fast Fourier Computational Analysis of the Optical Properties of Lead Sulphide Thin Film, Advanced Studies in Theoretical Physics, 9(6):263-272
3. Emetere, Moses; Nikouravan, Bijan; Agarana, MC; (2015). Suppressed Fluctuation in The GABAergic Signaling: Mathematical Modelling of The Neurotransmitter, International Journal of Fundamental Physical Sciences, 5(3)93-98

4. Emetere, Moses E; Uno, Uno E; Isah, K; (2014). A remodeled stretched exponential-decay formula for complex systems, Research & reviews: journal of engineering and technology, 3(2) 1-7
5. Emetere, Moses; Nikouravan, Bijan; (2014). Femtosecond Spin Dynamics Mechanism In Graphenes: The Bloch NMR-Schrödinger Probe, International Journal of Fundamental Physical Sciences, 4(4) 105-110
6. Emetere, Moses; (2013). Mathematical modelling of Bloch NMR to explain the Rashba Energy Features, World Journal of Condensed Matter Physics, 3: 87-94
7. Emetere, Moses; (2013). Quantum information technology based on magnetic excitation of single spin dynamics, Industrial Engineering Letters, 3 (5): 1-7
8. Emetere, Moses; (2013). Modeling the non-single exponential photoluminescence decay using the boubaker polynomial expansion scheme, Journal of Advanced Physics, 2(3): 213-215
9. Emetere, Moses E; (2013).Mathematical modelling of Bloch NMR to solve the Schrodinger time dependent equation, The African Review of Physics, 8:65
10. Uno, Uno E; Emetere, Moses E; Isah, KU; Ahmadu, Umaru (2012). On The Effect of Electron-Hole Recombination in Disordered GaAs-Aa1-xALAs Multi-quantum Well Structure, International Journal of Fundamental Physical Sciences, 2(4):52-57
11. Emetere, Uno E. Uno and Moses E; (2011).Mean-Field Analysis Of The Layering Transitions Of The Spin- Ising Model In A Transverse Magnetic Field, Int. Journal for scientific research, 1:1-9

3. Publications: Conference Proceedings

SELECTED PEER-REVIEWED ISI CONFERENCE PROCEEDINGS

12. ME Emetere, EC Akuwudike, SA Afolalu (2023). Evaluation of battery performance for solar mobile phone charger for rural dweller usage, E3S Web of Conferences 430, 01208
13. Okoro, SE Sanni, ME Emetere, DO Orodu, Process Scheme for the Production of Liquid Fuel from used tires via Fast Pyrolysis, Procedia Manufacturing 35, 847-853 (2019)
14. ME Emetere, TWP Seadira, RS Fono-Tamo, AA Akinsiku, Synthesis and characterization of Electro-Optics BaxB2xOy for Engineering Application, Procedia Manufacturing 35, 657-661 (2019)

15. ME Emetere, TWP Seadira, RS Fono-Tamo, ET Akinlabi, EE Okoro, Microstructural analysis FexB2xMgx for Engineering Application, Procedia Manufacturing 35, 662-665 (2019)
16. TJ Abodunrin, AO Boyo, MR Usikalu, ME Emetere, Investigating the Influence of Selective Co-sensitization of Two N719 Dyes on the Micro-Energy Generation from Dye-sensitized Solar Cells, Journal of Physics: Conference Series 1299 (1), 012027 (2019)
17. TA Adagunodo, LA Sunmonu, MA Adabanija, JO Omidiora, ME Emetere, Assessment of radiogenic heat generation in a flood plain of crystalline Basement rocks, Journal of Physics: Conference Series 1299 (1), 012073 (2019)
18. ME Emetere, OC Iroham, OO Fayomi, TA Adagunodo, OI Osunlola, Influence of 3mm and 4mm glassware on heat entrapment in a locally made domestic solar bank, Journal of Physics: Conference Series 1299 (1), 012030 (2019)
19. A Akinpelu, ME Emetere, SA Akinwumi, Evaluation Of Wind Energy Potentials In Ota, Ogun State, Nigeria, IOP Conference Series: Earth and Environmental Science 331 (1), 012024(2019)
20. ME Emetere, O Elumole, Optimization of solar photovoltaic efficiency using angular inclination: Effect on voltage output, IOP Conference Series: Earth and Environmental Science 331 (1), 012060 (2019)
21. ME Emetere, TA Adesina, Short review on the prospects of human biogas utilization in Nigeria, IOP Conference Series: Earth and Environmental Science 331 (1), 012051 (2019)
22. ME Emetere, A Nehemiah, Spectral filtering of photovoltaic cells using novel bio-filter: Silver coated Hibiscus extract using methanol solution, IOP Conference Series: Earth and Environmental Science 331 (1), 012034 (2019)
23. ME Emetere, H Pindar, Processing human biogas using drying agent, IOP Conference Series: Earth and Environmental Science 331 (1), 012050 (2019)
24. ME Emetere, JM Emetere, E Diana, Solar energy estimation and generation in Ibadan Nigeria, IOP Conference Series: Earth and Environmental Science 331 (1), 012052 (2019)
25. EA Diagi, ML Akinyemi, ME Emetere, IE Ogunrinola, AO Ndubuisi, Comparative Analysis of Biogas Produced from Cow Dung and Poultry Droppings, IOP Conference Series: Earth and Environmental Science 331 (1), 012064 (2019)
26. ME Emetere, N Adeyemo, Optimization of solar photovoltaic efficiency using angular inclination: Effect on surface temperature distribution, IOP Conference Series: Earth and Environmental Science 331 (1), 012037 (2019)
27. ME Emetere, O Elumole, Optimization of solar photovoltaic efficiency using angular inclination: Effect of dust deposition on PV Module, IOP Conference Series: Earth and Environmental Science 331 (1), 012061 (2019)

28. ME Emetere, ML Akinyemi, Climate Variability and Renewable Energy Planning, IOP Conference Series: Earth and Environmental Science 331 (1), 012036
29. SE Sanni, JA Omoleye, ME Emetere, EE Okoro, Investigating the endothermic nature of the reactions of hybrid hydroxideperoxide with lignin in corn stover and napier grass for simple sugar production, IOP Conference Series: Earth and Environmental Science 331(1), 012005 (2019)
30. ME Emetere, JT Abodunrin, OO Fayomi, CO Iroham, Brief review on cathodoluminescence application in solid-state devices, Journal of Physics: Conference Series 1378 (2), 022023 (2019)
31. ME Emetere, JT Abodunrin, OO Fayomi, CO Iroham, Computational synthesis of carbon doped BaAl4S7-xCx as a unique solid-state device, Journal of Physics: Conference Series 1378(2), 022039 (2019)
32. ME Emetere, N Adeyemo, Prospects and challenges of cathodoluminescence imaging in solid-state devices: A brief review, Journal of Physics: Conference Series 1378 (2), 02202 (2019)
33. ME Emetere, JM Emetere, OO Ometan, A short review on solar concentrator for energy generation in tropical coastal belt, Journal of Physics: Conference Series 1378 (4), 04202 (2019)
34. DK De, OC Olawole, SO Oyedepo, ES Joel, OF Olawole, ME Emetere, Highly Improved Thermionic Energy Converter, Journal of Physics: Conference Series 1378 (2), 022001 (2019)
35. ME Emetere, JT Abodunrin, OO Fayomi, CO Iroham, Brief review on the physics of solid-state lighting device, Journal of Physics: Conference Series 1378 (2), 022038 (2019)

4. Publications: Books/ Chapters in Books

Book Published

1. Emetere M. E. Numerical Methods in Environmental Data Analysis, Elsevier, (ISBN: 978-0-12-818971-9) 2022
2. Emetere M. E and Akinlabi E.T., Introduction to Environmental Data Analysis and Modeling, Springer, (ISBN 978-3-030-36207-2) 2020
3. Emetere M. E., Environmental Modeling Using Satellite Imaging and Dataset Re-processing, Springer, (ISBN 978-3-030-13404-4) 2019
4. Emetere M. E., Heat and Thermodynamics: A precise course for beginner. Lambert Publishers. (ISBN 978-3-659-42213-3) 2013

5. Emetere M. E., Tutorials on Electromagnetism and Its application. Lambert Publishers. (ISBN 978-3-659-32977-7) 2013

Book Chapter Published

6. Sanni S.E., Emetere M. E ., Agboola O., Nature of Graphene, Its Chemical Structure, Composites, Synthesis, Properties, and Applications (Book Chapter) WILEY , (DOI: 10.1002/9781119468455.ch37) 2019
7. Amusan Lekan, Clinton Aigbavboa, Moses Emetere and James Owolabi (March 24th 2021). Adapting Disruptive Applications in Managing Quality Control Systems in Intelligence Manufacturing, Quality Control - Intelligent Manufacturing, Robust Design and Charts, Pengzhong Li, Paulo António Rodrigues Pereira and Helena Navas, IntechOpen, DOI: 10.5772/intechopen.93979. Available from: https://www.intechopen.com/chapters/75153
8. T. J. Abodunrin , M. E. Emetere, and O. O. Ajayi (2021). Comparison of Energy Performance Metrics of Photovoltaics Using IPAT Sustainability Model, Communication in Computer and Information Science, pp.93

5. Publications: Monographs/Technical Reports, Book Review

1. Emetere M. E., Becoming A Scientist, Skaron Prints (ISBN 978-071-702-1) 2005

6. Fellowship and Prizes

1. Research output and quality and volume of research output in UJ GES 4.0 Scheme, University of Johannesburg, South Africa 2020
2. Chancellors Award for Exceptional Researcher, Awarded for quality and volume of research output in Covenant University, Nigeria 2019
3. Research output and quality and volume of research output in UJ GES 4.0 Scheme, University of Johannesburg, South Africa 2019
4. Chancellors Award for Exceptional Researcher, Awarded for quality and volume of research output in Covenant University, Nigeria 2018
5. Postdoctoral Fellowship, Awarded by University of Johannesburg South Africa. 2017
6. Chancellors Award for Exceptional Researcher, Awarded for quality and volume of research output in Covenant University, Nigeria 2017
7. Visiting Scientist, European Synchrotron Radiation Facility, Grenoble, France 2017
8. Visiting Scientist, MAMI, University of Mainz Cyclotron Facility, Mainz, Germany

2017

9. AU/TWAS Young Scientist National Award, Awarded by African Union and The World Academy of Science for significant research contribution 2015
10. Excellence award, Awarded by Science –Tech Week, Covenant University. 2015
11. Excellence award, Awarded by Science –Tech Week, Covenant University. 2014
12. Outstanding Teaching Award, awarded by Stella Maris College for the high pass rate of students who sat for physics at the West African Examination Council. 2012
13. Travel grant to ICTP, Trieste-Italy, awarded by UNESCO to attend conference on Ultrafast Dynamics of Correlated Materials, ICTP Trieste, Italy 2013
14. NYSC State Directors Award, Awarded by National Youth Service Scheme (NYSC) for outstanding community project 2003

7. Grants

1. Co-Investigator, Periodically bent crystals for crystalline undulators, European Commission (grant.5494247). 2014-2019
2. Co-Investigator, Comparative Levels of Radioactivity, Toxic Elemental and Antioxidant Concentrations in Some Selected Plants and their effects on Gene expression of some organs, Centre for Atmospheric Research, National Space Research and Development Agency, Federal Ministry of Science & Technology, Nigeria. 2020-2022
3. Principal Investigator, Indoor air pollution investigation in third world countries, Bowen University, Iwo Nigeria. 2023

8. Peer Recognition

1. Editor in Chief, ICESE-2020 (Indexed on IOP) 2020
2. Co- Editor, ICSSD-2020 (Indexed on IOP) 2020
3. Member, Research Committee, Covenant University 2019
4. Editor in Chief, ICESE-2019 (Indexed on IOP) 2019
5. Editor in Chief, ICSSD-2019 (Indexed on IOP) 2019
6. Member, Joint Cluster Committee, Covenant University 2019
7. Member, Technical Program Committee, IEEE-IGCSRM 2018
8. Member, Technical Program Committee, IGCRE 2017
9. Editorial Head, International Conference on Science and

Sustainable Development 2017

10. Superchair, Easychair Platform for ICADI 2016
11. Member, Technical Program Committee, CU-ICADI 2016
12. Patron, National Association of Physics Student (CU Chapter) 2015
13. Member, Technical Program Committee 2015 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT) 2015
14. Member, Science/Tech Week, Covenant University 2015
15. Member, Science/Tech Week, Covenant University 2014
16. Member, Technical Program Committee, ICWRE 2013

9. Academic and Industry Linkages

1. Member, International Society of Learning Sciences
2. Member, Nigerian Institute of Physics
3. Member, Asian Council of Science Editors
4. Member, Institute of Physics (Membership ID: 80431657)
5. Member, African Sustainable Energy Association
6. Member, African Materials Research Society (Membership ID: AMRS681)
7. Professional member, Quvae Research and Publications
8. Fellow, International Association of Advanced Materials

SECTION F: TEACHING/RESEARCH PEDIGREE

10. Teaching Experience

#	Institution	Rank	Year
1	Ikogosi High School	Teacher	2002-2003
2	Abuja International Academy	Teacher	2003-2007
3	Stella Maris College	Teacher	2007-2013
4	Trinity University	Visiting Associate Professor	2019
5	Covenant University	Lecturer	2013-2022

6	Bowen University	Professor	2022
		Length of Teaching Experience	**21 Years**

11. Research Experience

#	Institution	Rank	Year
1	Federal University of Technology	Student Researcher	2007-2013
2	Covenant University	Junior Researcher	2013-2017
3	University of Johannesburg/ European Synchrotron Facility/ MAMI, University of Gotternburg	Postdoctoral Researcher	2017-2018
4	Trinity University	Visiting Associate Professor	2019
5	Covenant University	Researcher	2018-2022
6	University of Johannesburg	Senior Research Associate	2018-2024
7	Bowen University	Professor	2022
8	University of Johannesburg	Visiting Professor	2024-2027
		Length of Research Experience	**16 Years**

12. Industry Consultancy

#	Organisation	Project	Position	Year
1	Luxi Polymetal Company	Gurara Energy Project	Consultant	2021
2	ZKJ Energies Ltd	Nigerian National Petroleum Company Limited (Renewable Energy Division) capacity building training	Consultant	2022
			Length of Consultancy Experience	**3 Years**

13. Courses Taught in the Last Two Academic Sessions

PHY225:	Mathematical Methods I	2019-2022
PHY313:	Electrodynamics	2018-2022
PHY319:	Experimental Physics & Treatment of Data	2019-2022
PHY431:	Remote Sensing Techniques	2018
PHY412:	Mathematical Methods III	2018
PHY417:	Condensed Matter Physics	2018
PHY448:	Physics Lab Experiment	2019

PHY434:	Atmospheric Dynamics	2018-2022
PHY419:	Computational Physics	2018-2022
PHY415:	Data Communication	2019-2022
PHY813:	Electrodynamics	2018
PHY814:	Hydroelectricity	2019
PHY816:	Solar Energy	2019-2022
PHY817:	Bio-Energy	2018, 2019
PHY825:	Energy Conversion and Storage	2019
PHY850:	Research Methodology	2021-2022
PHY847:	Wind Power	2019-2022
PHY828	Solar Thermal	2021-2022
PHY834	Scientific Research & Programming	2021-2022
PHY912	Mathematical Methods for Physicist	2021-2022

14. Expert Skills/Competences

#	Skills and Competences
1	Proficiency in the use of MATLAB, FreeMat, MathCad, CERN-Root, Geant4, SCAP1D, XOP, SRIM, OpenCV, OpenFoam, QMCPack, LAMMPS, Corteo, OMDAQ, Surfer, Vesta, ImageJ, Gwyddion, Gabedit, ERICA, SRIM, Quantum Espresso, SPSS, Orange3, Plotdigitizer, QGIS, and MATCH software
2	Proficiency in the use of C++ and Python
3	Multidisciplinary experience
4	Industrial consultation
5	Process Modelling for optimization and prediction
6	Big Data Analytics
7	Proficiency in the use of remote sensing techniques for research, industry services, policy planning, energy and environmental resource verification, urban and rural planning, pilot project design and social services
8	Proficiency in the use of image processing
9	Scientific project planning and design
10	Technological project planning and design

SECTION G: LEADERSHIP AND SERVICE HISTORY

15. Academic and Administrative Positions Held

#	Position	From	To
1	Academic Level Adviser	2013	2015

2	Member, Resumption Committee	2013	2015
3	Coordinator, Welfare Committee	2015	2016
4	Member, Resumption Committee	2018	2018
5	Member, College Research & Publication Committee	2019	2021
6	Coordinator, Departmental Seminar	2018	2019
7	Ag HOD, Physics & Electronics Dept., Trinity University	2019	2019
8	Member, ACE Grant Committee	2018	2018
9	Sub-Head, Renewable Energy and Material Science	2021	2021
10	Coordinator, Research & Publication Committee	2021	2021
11	College Chair, Research & Publication Committee	2021	2021
12	Member, College Curriculum Committee	2021	2022
13	Member, Research Ethical Committee, CUCRID	2018	2021
14	Departmental Coordinator, Postgraduate Committee	2020	2022
15	Member, College Postgraduate Committee	2019	2021
16	College Chair, Postgraduate Committee	2022	2022
18	Departmental Chair, Curriculum Committee	2022	2022
19	Member, School of Postgraduate School Admission Committee	2022	2022
20	Member, School of Postgraduate School Board	2022	2022
21	Member, School of Postgraduate School Curriculum Committee	2022	2022
22	Head of Programme, Physics	2022	2024
23	Member, University Senate	2022	Till Date
24	SDG 3 & 7 Coordinator, Bowen University	2022	2024
25	Member, Ethics committee	2022	2024
26	Member, University Promotion Review Committee	2022	2023
27	Chair, College Grants Committee	2022	2024
28	Chair, College think-tank	2022	2024
29	Member, Senate Committee on Curriculum Harmonization	2024	Till Date

16. Community Service

#	Role	Date

1	Facilitator, Teacher training, Nigeria Army Colleges at Division 7, Ibadan	2014
2	Facilitator, Teacher training, NIP FUT branch, Minna	2015
3	Facilitator, Data Analytic, Covenant University	2019
4	Facilitator, Covenant University Secondary School Career Week	2019
5	Facilitator, Postgraduate Student training, Covenant University	2021

SECTION H: POSTGRADUATE SUPERVISION/EXAMINATION

17. Postgraduate Involvement

Mentor	Niyoyadutumye, Elijah, Design and testing of a BGO-SIPM based electron beam dispersion monitor, University of Johannesburg, Mechanical Engineering Science Department, Johannesburg, South Africa. MSc Dissertation (2018)
Departmental Examiner	Ndubuisi, Amanda Portable ceramic cylindrical crucible design for high temperature thermal storage, Physics Department, Covenant University, Nigeria. MSc dissertation (2019)
Departmental Examiner	Ayara Williams A., A comparism of electrical performance of solar panel (photovoltaic) oriented to face east and south, Physics Department, Covenant University, Nigeria. MSc dissertation (2019)
Departmental Examiner	Bakare Kehinde, Evaluation of possible Kurata dumpsite leachate in groundwater, Physics Department, Covenant University, Nigeria. MSc dissertation (2019)
Departmental Examiner	Fashade Omowaiyeola Oluwatoyin, Evaluation of refractivity gradient within the lower troposphere of some selected stations, Physics Department, Covenant University, Nigeria. MSc dissertation (2019)
External Assessor	Mwita, Wambura Mwiryenyi, Characterization of Titanium Alloy Processed by constrained bending and straightening severe plastic deformation. University of Johannesburg, Mechanical Engineering Science Department, Johannesburg, South Africa. PhD Thesis (2019)

Departmental Examiner	Keshinro Rasaq, Synthesis and characterization of an hybridized organic solar cell, Physics Department, Covenant University, Nigeria. PhD Thesis (2019)
Departmental Examiner	Kayode Olusola Titloye, Soil characterization for sustainable precision agricultural practices in southern and north-central Nigeria, Physics Department, Covenant University, Nigeria. PhD Thesis (2020)
Internal Assessor	Aworinde, Abraham Kehinde, Development and biomechanical characterization of polylactide composites as orthopedic scaffold, Mechanical Engineering Department, Covenant University, Nigeria. PhD Thesis (2020)
Postgraduate Rep.	Noma-Osaghae Etinosa, Non-orthogonal multiple access: Energy and spectral efficiency improvement in an heterogeneous cellular network, Electrical Engineering Department, Covenant University, Nigeria. PhD Thesis (2020)
Departmental Examiner	Akinpelu, Akinwumi, Monte Carlo study of ion-sputtering parameters of perovskites for lead-free solar powered electricity. Physics Department, Covenant University, Nigeria. MSc Dissertation (2020)
College Examiner	Ajayi Samuel Oluwakayode, Syntheses and electrochemical performance of optimized composite/core-shell lithium-rich oxides cathodes for Li-ion battery, Chemistry Department, Covenant University, Nigeria. PhD Thesis (2020)
College Examiner	Ezekiel Imekela Donaldson, Stability analysis of some delay differential equations in mathematical biology, Mathematics Department, Covenant University, Nigeria. PhD Thesis (2020)
External Assessor	Oladijo Segun Stephen, Optimization of process parameters for sputtering of hydroxyapatite target on stainless steel. University of Johannesburg, Mechanical Engineering Science Department, Johannesburg, South Africa. MSc Dissertation (2019)
Supervisor	Bello Oluwaseyi, Synthesis, Characterisation and Analysis of Lead-free Inorganic Perovskite for Solar Cell Application, Physics Department, Covenant University. MSc Dissertation (2021)

Mentor	Ochoche Gabriel, Spatio-temporal Analysis of Heat Index and Determination of Heat Waves across West Africa Climatic zones, Physics Department, Covenant University. PhD Thesis (Ongoing)
Supervisor	Akpan Godswill, Investigation of Geothermal Energy Potential in Nigeria using Remote Sensing and Field Measurement, Physics Department, Covenant University. MSc Dissertation (2021)
Internal Assessor	IDOWU-BISMARK Olabode Babatunde, Millimeter-Wave Multiple-Input and Multiple-Output Channel Modelling for Small Cells in Ultra-Dense Networks, Electrical And Information Engineering, College Of Engineering, Covenant University. PhD Thesis (2022).
Supervisor	Moyofola Olumide, Numerical evaluation of transport systems of a lead-free inorganic perovskite: A guide to enhance commercial productivity, Physics Department, Bowen University. PhD (On-going)
Supervisor	Jiya Shedrach, Modelling and Design of free energy generator: Theoretical and modern practice, Physics Department, Bowen University. PhD (On-going)
Supervisor	Salami Ifeoluwa, Influence of architectural design on lead-free inorganic perovskite for improved solar cell application, Physics Department, Bowen University. MSc (On-going)
Co-Supervisor	Abobarin Adebola, Post-Covid Practices In Osun State Health Centers: Re Examining Detection, Reportage and Safety Of Health Workers, Nursing Department, Afe Babalola University, Ado Ekiti. MSc (On-going)
Co-Supervisor	Akerele Samuel, Investigation of The Prevalence, Risk Factors, And Treatment Outcomes of Respiratory Disorders In The Tertiary Health Institutions In Ekiti State, Nursing Department, Afe Babalola University, Ado Ekiti. MSc (On-going)
Co-Supervisor	Awolumate Deborah Adebimpe, Patients' perception on the use of traditional and modern treatment for management of sexually transmitted diseases in Ekiti State, Nursing Department, Afe Babalola University, Ado Ekiti. MSc (On-going)

Co-Supervisor	Felix Akintobi Orobode, Determination of prevalence, risk factors and burden of surgical site infections among patients in tertiary health institutions in Ondo State, Nursing Department, Afe Babalola University, Ado Ekiti. MSc (On-going)
Co-Supervisor	Ilo Amara Eucharia, Investigation of the knowledge, prevalence and effects of computer vision syndrome among health care professionals in selected hospitals in Ekiti State, Nursing Department, Afe Babalola University, Ado Ekiti. MSc (On-going)
Co-Supervisor	Owolabi Babajide Augustine, Estimation of exposure and risk of poor indoor air quality index in the medical and surgical wards of tertiary hospitals in Ekiti State, Nursing Department, Afe Babalola University, Ado Ekiti. PhD (On-going)
Co-Supervisor	Akinkuolie Grace, Assessment of The Knowledge Perceived Effects And Levels of Indoor Air Quality In Intensive Care Units of Tertiary Institutions In Osun State, Nigeria, Nursing Department, Afe Babalola University, Ado Ekiti. PhD (On-going)
External Examiner	Korede Mayowa Temiloluwa, A GIS-Based Evaluation of Urban Air Pollutants in Ibadan, Nigeria, Federal University of Technology, Akure, M.Tech (2024)
External Examiner	Ologun Sunday Micheal, Hydraulic model for the evaluation of water loss in water supply: Acase study of Osogbo, Federal University of Technology, Akure, M.Tech (2024)

18. Professional Activities

1. National Research Foundation South Africa scientific ranking assessment of Prof Brett Cohen, University of Cape Town,

19. Extra- Curricular Activities

1. Reading and travelling

20. Consultancy Specialty

1. Renewable energy plant design
2. Multiple renewable energy plant design
3. Sustainable energy plant design

4. Environment analysis impact of renewable/sustainable energy plant
5. Conversion of energy poverty to wealth through training & workshops
6. Energy system designs
7. Renewable energy exploration
8. Renewable energy maintenance and evaluation
9. Renewable energy advocacy

21. Referees

Prof. U.E. Uno, Federal University of Technology Minna, Nigeria. uno_essang@yahoo.co.uk

Dr. M. Madhuku, iThemba Labs, Johannesburg, South Africa. morgan.madhuku@tlabs.ac.za