



CURRICULUM VITAE

- 1. Name:** YAKUBU YERIMA
- 2. P.No:** TS/P 596
- 3. Department:** Chemical Engineering
- 4. Date and Place of Birth:** 23rd March 1968, Rafingora
- 5. State of Origin:** Kaduna
- 6. Local Government Area:** Kaura
- 7. Nationality:** Nigeria
- 8. Marital Status:** Married
- 9. Gender:** Male
- 10. International Language Spoken:** English
- 11. Current Contact Address:** Department of Chemical Engineering
Igbinedion University, Okada, Benin – City,
Edo State Nigeria
malyerima@yahoo.com
08055699772/08066036240
- 12. Permanent Home Address:** Rafingora – Bondon, Kaura LGA, Kaduna
State, Nigeria
- 13. Date of First Appointment
With the University:** 1st January, 2009
- 14. Date of Last Promotion:** 11th July, 2019
- 15. Present Rank and Salary:** Senior Lecturer / CONUASS 05/01
- 16. Qualifications, Educational Institutions from where Obtained and Dates:**
 - First School Leaving Certificate: L.E.A Primary School Bondon, Kaura, Nigeria
1974-1980
 - General Certificate of Education: Govt., Secondary Technical School, Soba –
Zaria, Nigeria 1980-1985
 - Interim Joint Matriculation Board Exams Result: College of Advanced Studies,
Zaria. 1985-1988
 - B.Eng. (Chemical Engineering): Ahmadu Bello University, Zaria, Nigeria
1988-1992
 - M.Sc. (Chemical Engineering): Ahmadu Bello University, Zaria, Nigeria
2006-2008
 - Ph. D (Chemical Engineering): Igbinedion University, Okada (2019-2023)
 - General HSE (Level 1 & 2) Certificate of Completion (2019)
 - General HSE (Level 3) Certificate of Completion, (2019).
 - Certificate of Achievement on Career Enhancement Programme Online (CEPO),
FlexyLearn, UK (May 2020).

17. Working Experience with Date:

Nigerian Breweries, Kaduna. Industrial Training (SIWES I) Sept. – Dec., 1990

Federal Superphosphate Fertilizer Co., Kaduna (SIWES II), May – Dec., 1991

Nigerian National Petroleum Corporation, **PHRC, Alesa - Eleme, Refinery,**
NYSC 1993/1994
Bon Affaire Process Industries Ltd, Kaduna 1995 -1998

Belphins Nigeria Ltd., Kafanchan (Oleoresin Extraction Plant) 1998-2008

Igbinedion University, Okada, Benin City 2009-Date

18. Teaching Experience with Dates:

Part Time Chemistry and Physics, GGSS, Kafanchan 2007/2008

Chemical Engineering, Igbinedion University, Okada 2009/Date

a. Undergraduate Teaching

CHE322: Process Instrumentation 2008-2016

CHE352: Heat Transfer 2009-2013

CHE361: Fluid Flow 2008/2009

CHE 362: Transport Phenomena 2009-2023

CHE421: Chemical Engineering Analysis 2009-2021

CHE461: Transport Phenomena II 2014-2021

CHE471: Separation Processes II 2009-2013

CHE572C: Clay Processing Technology 2009-2019

EMA201: Engineering Mathematics 2009-2012

CHE531: Principles of Plant Design II 2009-2023

CHE532: Plant Design Project 2009-2023

CHE 202: Introduction to Chemical Engineering 2011-2014

CHE311: Chemical Engineering Thermodynamics I 2015-2023

CHE321: Biochemical Engineering I 2015 - 2019

MLS424: Biomedical Engineering 2014-2023

CHE212: Physical Chemistry 2015-2023

CHE491: Entrepreneurial Skills in Chemical Engineering 2013-2015

PEE381: Heat and Mass Transfer 2020-2023

b. Undergraduate Project Supervision

Final Year Plant Design Project (2009 - 2023)

Edem A. B, Effect of Agricultural Waste on the Aquatic Life (2008/2009)

Edem M., Effect of Temperature on Adsorption Process for Treatment of Industrial Waste Effluent (2008/2009)

Mgbakor, Jude C., Effect of Heavy Metals on Fish from Different Sources (2008/2009)

Faisal H., Rheological Properties of 'Kanje' Bentonite Clay (2009/2010)

Aderibigbe , O., Beneficiation and Upgrading Of ‘Kanje’ Bentonitic Clay for the Petroleum Industry (2009/2010)

Ekenam, A. S., Production of Custard Using Ginger Starch Matrix (2009/2010)

Ezeigbo C., Development of Turkey Red Oil (TRO) from *Ricinus* Oil (2009/2010)

Kporo, A., Development of PVC/Clay Nano-Composite Material (2010/2011)

Junaid, Z. O., Design and Construction of an Experimental Fluid Flow Apparatus (2010/2011)

Obiano, J. A., Development of Pineapple Juice with Ginger (2011/2012)

Omoya, O. O., Comparative Studies of Raw Clay and Calcined Clay as Adsorbent for the Removal of Heavy Metals. (2011/2012)

Fiberesima, I. H., Comparative Studies of Venturi and Orifice Meters on Pressure Difference Fluid Flow Apparatus (2011/2012)

Owoyale, E. I., Extraction and Characterization Cotton Seeds Oil for Industrial Applications (2011/2012)

Ogunlana, B. A., Kinetic Modeling of Some Tropospheric SO₂ (Gas Phase) Transformations (2012/2013)

Somtochukwu, O. Theoretical Modeling of Atmospheric SO₂ Reactions over Okada. (2012/2013)

Anthony, S., An *Ab Initio* Studies of Selected Atmospheric Gas Phase SO₂ Transformations. (2012/2013)

Adeyinka, A., Theoretical Determination of Thermodynamic Properties of Selected Atmospheric SO₂ (aqueous phase) Reactions (2012/2013).

Udonkim, R. O., Production of Ethanol Bio-fuel from Cassava (2013/2014)

Ogunfonora, A., Production of Ethanol Bio-fuel from Agricultural Waste (Corn Stover) (2013/2014)

Abarshi, A. A., Degradation of Sawdust to Ethanol Bio-fuel (2013/2014)

Nweke, N. O., Kinetic Studies of Selected Gas Phase Atmospheric SO₂ Oxidation (2013/2014)

Othegbudu, S. J., Production of Ethanol Bio-fuel from Cassava using Genetically Modified Enzyme (2013/2014)

Iwegbu, O. E., Application of Artificial Neural Network Modeling Technique for prediction and Optimization of Bio-fuel Production (2013/2014)

Effiok, E. S., Kinetic Studies on the Production of Ethanol Bio-fuel from Cassava (2013/2014)

Ajide, M. K.; Characterization and Pretreatment of Oil Palm Frond for the Production of Bio-ethanol (2014/2015).

Bassey, E. J., Enzymatic Hydrolysis of Oil Palm Frond for the Production of Bio-ethanol (2014/2015)

Nwanna J.; Kinetic Studies on the Production of Bio-ethanol from Oil Palm Frond (2014/2015).

Feyisetan, O. T.; Comparative Studies of ‘Usen’ Clay as Adsorbent for the Removal of Copper (II) ion (2014/2015).

Ajide, M. T.; Study on Adsorption of Heavy Metal using Saw Dust as Adsorbent (2014/2015).

Ogbeta, J. O. Optimization of the Parameters of Bioethanol Production from Oil Palm Fronds (2016/2017).

Abdulrahman Isa, Optimization of the parameters of Bioethanol Production from Raphia Palm Fronds (2017/2018)

Amir Bako. Optimization of the Parameters of Bioethanol Production from Date Palm Fronds (2017/2018).

Ohaka, C. F, Pretreatment and Characterization of Coconut Palm Frond for the production of Bioethanol (2018/2019)

Beggi, I. Optimization of the Production of EDTA Modified Activated Carbon Derived from Palm kernel Shells using Response Surface Methodology. (2018/2019).

Wole-Johnson S. Characterization of unpretreated and pretreated Coconut Palm Frond for the production of Bioethanol (2019/2020)

Udoh-Udom M. F. Characterization of unpretreated and pretreated Raffia Palm Frond for the production of Bioethanol (2019/2020)

Dalazi, H. O. Extraction and Evaluation of *Lagenaria breviflora* Seed Oil (2020/2021).

Chris Ivory Kelechi. Synthesis of a Bio-catalyst from the Shell of *Lagenaria breviflora* for Biodiesel Production (2022/2023)

Research/ Extension Experience with Dates:

- Rate of Calcination of Jakura Marble in a Lime Kiln (1991)
- Design of a Medium Scale Plant for the Production of Phenol using Cumene Process (1992)
- Design of a Continuous Process for Monitoring the Conversion of Kankara Clay to Alum (1992).
- Design and Fabrication of a Ginger Pulverizing Machine (2008)
- Synthesis and Evaluation of Biolubricant from Spotted melon for Environmental Sustainability (2023)
- Studies on the potentials of some plant wastes for the production of bioethanol (Ongoing).

19. Routine Administrative Duties with Date

- Year Course Adviser (2009-Date)
- College of Engineering Time Table Coordinator (2009- 2018)
- Sub Dean. College of Engineering (2020- Date).
- College Representative of I.U.O Staff Welfare Committee (2010- Date)
- College of Engineering Community Service Project Coordinator (2010- Date)
- Dean's Representative on Board Meeting School of Post Graduate Studies and Research (April, 2011 -2014)
- Dean's Representative on Admission Screening Committee (June-2011- Dec., 2018)
- Dean's Representative on Curriculum Committee (June 2011 to Date)
- Acted for Head of Department while on Leave (July- September, 2010/2011 and 2011/2012)

- Ag. HOD (Chemical/Petroleum Engineering) 1st October, 2013- 2018.
- Member of Academic Planning Committee, IUO (April 2014 to Date)
- Chairman, Igbinedion University Transport/Logistics Committee (October 2014 – Date)
- Member of Inter-College Quiz and Debating Competition (April, 2015- Date)
- Chairman **e- Examinations** Committee (November, 2015- Dec., 2018)
- Chairman, Igbinedion University/IUTH Staff Welfare Multipurpose Cooperative Society (2018 – 2023).
- Member of Central Examination Results Computation Committee (Dec., 2016 – Dec. 2018)
- Member **e- Examinations** Committee (Dec., 2018 - Date)
- Member of Admission Committee & Delegate to Adamawa, Taraba, Jigawa, Gombe and Bauchi States. (January, 2018 – August, 2019).
- Member of Central Laboratory Committee, IUO (February, 2018 - Date)
- Member IUO Water Committee (2020- Date)
- Coordinator Sub-Committee for 19th Convocation Ceremony, 2021 Transport
- Ag. HOD (Chemical/Petroleum Engineering) 2nd October, 2023

20. Positions held with Dates:

- School Timekeeper, Primary School, Bondon 1979/80
- Service Secretary, GSTS, Soba - Zaria 1984/85
- Gwamna House Kitchen Committee Leader, GSTS, Soba - Zaria 1983/84
- Organizing Secretary, FCS, A.B.U., Zaria 1991/92
- Assistant Secretary General, ECWA, U/Mission Kaduna 1996/98
- Research Coordinator, Bon Affaire Process Ltd, Kaduna 1995/98
- Production Manager, Belphins Nig., Ltd., Kafanchan 1998/08
- Head of Ordained Workers, Living Faith Church, Kafanchan 2007/08
- Associate Pastor, Living Faith Church, Okada 2009/2021
- Ag. HOD Chemical/Petroleum Engineering, I.U. Okada 1st October 2013-.2018
- Ag. HOD Chemical/Petroleum Engineering, I.U. Okada 2nd October 2023

21. Professional Service/Honour Societies:

Member Nigerian Society of Engineers (MNSE) (No. **22098**)
 Member Nigerian Society of Chemical Engineers (MNSChE)
 COREN Registered/Chartered Engineer (**R.31, 613**)
 Member Society of Petroleum Engineers (SPE). **R.4737941**

✓ **PRODUCTS DEVELOPMENT**

P- Chem. Research & Engineering Ltd., Kaduna, Nigeria

- ✓ Turkey Red Oil (TRO)
- ✓ Emulsified Liquid Detergent
- ✓ Lube Oil Additives
- ✓ Hair Growth Cream
- ✓ Organic Fertilizer from Animal Bone Meal

- ✓ Thermal Resistant Oil
- ✓ Lubricating Oil for Light Machines & Clippers
- ✓ **A & Shine Honey Ltd., Kuje – Abuja, Nigeria**
 - ✓ Formulation of Ginger – Garlic Tonic
 - ✓ Aloe - Vera Honey product development
- ✓ **Belphins Nigeria Ltd., Kafanchan, Nigeria**
 - ✓ Ginger soft drinks (with and without garlic)
 - ✓ Ginger Instant Beverage
 - ✓ Ginger Tonic
- ***PROCESS DEVELOPMENT/INSTALLATION***
 - ✓ Linear Alkyl Benzene Sulphonation Plant for Menn Oil Ltd., Kaduna,
 - ✓ Ginger Drink Production Plant for Belphins Nigeria, Ltd., Kafanchan
 - ✓ Ham Portable Water Plant Installation
 - ✓ Ginger Pulverizing Machine, Chemical Engineering Department, A.B.U., Zaria, Nigeria
 - ✓ Hair Growth Cream Pilot Plant Installation for P- Chem. Research & Engineering, Kaduna
- ***FEASIBILITY REPORT WRITING***
 - ✓ Gum Arabic Production
 - ✓ Portable Water Production
 - ✓ Aloe Vera Honey
 - ✓ Mango Juice Production
- ***SALES/MARKETING***
 - ✓ Sales and Supply of Hair Growth product within Kaduna Metropolis
 - ✓ Sales and Supply of Thermal Resistant Oil to Bakeries in Kaduna
 - ✓ Sales and Supply of Lubes Oil Additives to Blending Plants
 - ✓ International Trade Exhibition at Johannesburg, South Africa (SAITEX,2001)
 - ✓ International Trade Exhibition at Mukahari – Japan (FOODEX,2005)
 - ✓ International Food and Machinery Exhibition, China, 2007.

22. Community Service:

- National Youth Service, NYSC
- Organizing and Conducting Seminar on Ginger Farmers' Co-operative Societies, Kwoi, Kaduna State, Nigeria, April 2006
- Symposium lecture on HIV/AIDS to Moroa Community Youths, Kaura LGA, Nigeria, May 2007
- Entrepreneurship Development and Discovery of Investment Opportunities lecture to Living Faith Church (LFC), Kafanchan-Nigeria, Youths, Aug. 2008

- Youths Empowerment lecture (“Employment and Entrepreneurial option”) at Kaduna State College of Education, Gidan Waya, Kafanchan, Nigeria, June 2008.
- Youths Empowerment lecture (“Discovery and Exploitation of Investment Opportunities in Southern Kaduna Senatorial District”) at Ahmadu Bello, University, Zaria, Nigeria, April 2005.
- Career lecture (“Career choice and development”) at LFC, Kafanchan, Nigeria. March 2007.
- Construction of Bus Stop Shade Stands in Okada (2010/2011 Session)
- Construction of Modern Toilets (Water System) in Okada Community Market (2011/2012 Session)
- Production of Fish/Aqua Culture for Okada Dwellers (2012/2013 Session)
- Community Borehole/Solar Panel at Okada (2014/2015 Session)
- Operation Plant a tree in Okada (2015/2016 Session).
- Volunteer Teaching in Word of Faith Bible School (2013- Date)
- Associate Pastor, Living faith Church, Okada (2010-2021)
- Church Board Chairman, Living Faith Church, Okada (2021-2023)

23. Conferences Attended with Dates:

1. The 38th Annual Conference of Nigerian Society of Chemical Engineers (NSChE), Effurun, Warri, Nigeria. 30th Oct. - 1st Nov., 2008.
2. Nigeria Annual International Conference and Exhibition (NAICE) organized by the Society of Petroleum Engineers, Nigerian Council (SPENC) at Eko Hotel, August 2015.
3. Advanced Digital Programme for Tertiary Institutions organized by Digital Bridge Institute, May 2016.
4. Nigeria Annual International Conference and Exhibition (NAICE) organized by the Society of Petroleum Engineers, Nigerian Council (SPENC) at Eko Hotel, August 2016
5. Nigeria Annual International Conference and Exhibition (NAICE) organized by the Society of Petroleum Engineers, Nigerian Council (SPENC) at Eko Hotel, August 2017.
6. Nigerian Oil and Gas Industry Research and Development Fair and Conference, 25th – 27th September, 2017.
7. Petroleum Engineering Curriculum of Nigerian Universities organized by SPENS/CHPED at Southern Sun Hotels, Ikoyi Lagos, 2th -29th September, 2017.
8. Regional Scoping Workshop on Bioenergy Centre for Global Eco-Innovating, organized Energy Centre, Univ. of Benin 17th -18th July, 2018.
9. Nigeria Annual International Conference and Exhibition (NAICE) organized by the Society of Petroleum Engineers, Nigerian Council (SPENC) at Eko Hotel, 6th – 8th August 2018.
10. First African AD Workshop at the Centre for Global Eco-Innovating, organized Energy Centre, Univ. of Benin 3rd -6th December, 2018.

11. RECIRCULATE Research and Stakeholders' Workshop on Resource Recovery from Waste for Energy, Health and Agriculture, Centre for Energy Innovation, Nigeria 11th – 12th June, 2019.
12. Nigeria Annual International Conference and Exhibition (NAICE) organized by the Society of Petroleum Engineers, Nigerian Council (SPENC) at Eko Hotel, 5th – 7th August 2019.
13. Maiden Eminent Lecture Series on *Sustainable Peace, Security and Social Inclusion as Catalysts for Africa's Future and Development* held at the Igbinedion University, Okada on Thursday 17th October, 2019.
14. A Three (3) day Workshop on *Innovations in Urban Water supply, Irrigation and sanitation Management*, Organized by the Nigerian Institution of Water Engineers in Association with Techgrade Consulting at the national Engineering Centre, Abuja on Tuesday 10th –Thursday 12th December, 2019.
15. Nigeria Annual International Conference and Exhibition (NAICE) on *Global Transition to Renewable and Sustainable Energy and the Future of Oil and Gas in Africa*, Organized by the Society of Petroleum Engineers, Nigerian Council (SPENC) at Eko Hotel, 3rd – 6th August 2021.
16. A Training programme in *Advanced Digital Appreciation Programme for Tertiary Institutions on Statistical Package for Social Sciences (SPSS)* at the Igbinedion University, Okada, Edo State from August 09-13, 2023.
17. A *COREN Regional Workshop on Implementation of OBE in Engineering Programmes in Nigerian Universities* organized by Council for the Regulation of Engineering in Nigeria (**COREN**) at University of Benin 11th – 15th October, 2021.
18. One Day Workshop for Course Advisers and Project Supervisors in the College of natural and Applied Sciences, Igbinedion University, Okada held on 17th Day of November, 2022.
19. A One Day Workshop on Quality Assurance Workshop Series: Effective preparation for Assessment Exercises on 13th June, 2023.
20. A Three (3) Days College of Engineering Workshop for Academic Staff and Technologist on *Implementation of Outcome based Education (OBE) in Engineering programmes*, Monday 19th –Wednesday 21st June, 2023.
21. 31st Engineering Assembly Organized by Council for the Regulation of Engineering in Nigeria, at the International Conference centre (ICC), Abuja Monday 7th – Wednesday 9th August, 2023.

24. Publications/ Articles:

a) **Thesis:**

Yerima, Y. (1991). Rate of Calcination of Jakura Marble in a Lime Kiln.
B. Eng. (Chem.) Thesis, Ahmadu Bello University Zaria, Nigeria.

Yerima, Y. (1992). Design of a Medium Scale Plant of Phenol Production using Cumene Process. B.Eng. (Chem.) Thesis, Ahmadu Bello University Zaria, Nigeria.

Yerima Y. (1992). Design of a Continuous Process for Monitoring the Conversion of Kankara Clay to Alum. B. Eng, (Chem.) Thesis, Ahmadu Bello University Zaria, Nigeria.

Yerima, Y. (2008). Design and Fabrication of a Ginger Pulverizing Machine. M.Sc. (Chem. Eng.) Thesis, Ahmadu Bello University, Zaria, Nigeria.

Yerima, Y. (2023). Synthesis and Evaluation of Biolubricant from Spotted Melon (*Lagenaria Breviflora*) Seed Oil for Environmental Sustainability. Ph.D. (Chem. Eng.) Thesis, IUO, Nigeria.

b) **Refereed Articles:**

B.O.Aderemi; V.I.O Ndirika and **Y. Yerima** (2008). Design and Fabrication of a Medium Scale Ginger Pulverizing Machine for Rural Dwellers. *Australian Journal of Basic and Applied Sciences, INSInet Pub.*

Y. Yerima; S. E. Uwadiae and E.M.Turu (2010) Comparative Performance Evaluation of Intermediate Ginger Pulverizing Machine with Traditional Processing Technique in Nigeria. *Journal of Engineering and Applied Sciences. Vol. 2 No. 2, pp. 44-49* online at <http://www.cenresin.org>

Azike, R.U.; Uwadiae, S. E.; Odisu, T., and **Yerima, Y.**, (2010), Effluent Monitoring of some flow-stations in the Niger-Delta states of Nigeria. *Nigerian Journal of Biomedical Engineering, Vol.8 No.1*

S. E. Uwadiae; **Y. Yerima;** Azike, R. U (2010). A Comparative Study of Sorption of Heavy Metal Ions by Granular Activated Carbon from Coconut Shell, Sawdust and Groundnut Shell. *Journal of Engineering and Applied Sciences. Vol. 3,* online at <http://www.cenresin.org>

Uwadiae, S. E; Azike, R.U and **Yerima, Y.**, (2011). Enzymatic Biodegradation of Pharmaceutical Wastewater. *International Journal of Energy and Environment.* online at <http://www.ijee.ieeeefoundation.org>

S. E. Uwadiae, R. U. Azike and **Y. Yerima** (2012). Removal of Zinc from Aqueous Solution by Activated Carbon Prepared from Rice Husk. *International Research Journal in Engineering, Science and Technology (IREJEST). Vol 9(!) 47 -51.*

Yerima, Y; Uwadiae, S. E; Musa, E. T and Ngubi, F. W. (2013): pH Models for Monitoring the Conversion of Kankara Clay to Alum. *Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS) 4 (1): 84-88*

Turu, E. T., Kolawale, E. G., Gimba, C. E., Dallatu. Y. A., **Yerima, Y.** (2014): Effect of Fired Clay on the Physical and Mechanical Properties of Un-plasticized Poly (Vinyl Chloride) Composite. *The International Journal of Engineering and Sciences (IJES) Vol. 3 (12) 20 -28.* ISSN (e): 2319 -1813 ISSN (p): 2319 -1805. D03120102028.pdf.

- Yerima, Y.** Turu, E. M; Ngubi, F.W.;Azuokwu, A. A and Obeta, O. P.; (2016) Design Related Parameters of Nigerian Ginger (*Zingiber Officianale*) Rhizomes. *International Journal of Scientific and Engineering Research (IJSER) Vol. 7 (5) ISSN 2229.5518***
- Azuokwu A. A, **Yerima, Y.**, Ngubi, F.W., and Obeta, P.O (2016) Evaluation of Infill Drilling Opportunities Using Reservoir Connectivity Analysis. *International Journal of Scientific and Engineering Research (IJSER) Vol. 7 (5) ISSN 2229.5518***
- Musa, E. T, Kolawale, E. G; Gimba, C. E; Abba, H and **Yerima, Y.** (2018). Effect of Talc on the physical properties of un-plasticized polyvinyl chloride (PVC) composites. *Nigerian Research Journal of Chemical Sciences, vol. 5 30-35*
- Osakue, I. Y, **Yerima, Y** and Ajide, M. T. (2018). Removal of Lead (II) ions from Aqueous Solution using Sawdust. *Research Journal of Engineering and Environmental Studies*. Volume 3 Issue 1, pp 398-406.
<http://rjees.com/abstract/removal-of-lead-i-ions-from-aqueous-solution-using-sawdust>
- Raji,W.A, **Yerima, Y**, Alufar P.T. (2018). Comparative Study on the Rates of Production of Biogas from Organic Substrate. *Energy and Power Engineering*, 10, 508-517. <http://doi.org/10.4236/epe.2018.1012032>
- Azuokwu A. A, **Yerima, Y.**, Ngubi, F.W., and Obeta, P.O (2019). Evaluation of Infill Drilling Opportunities Using Reservoir Connectivity Analysis. *International Journal of Scientific and Engineering Research (IJSER) Vol. 7 (5) ISSN 2229.5518***
- Azuokwu, A. A; **Yerima, Y.**, Jemine, E, T and Charles, B. C. (2019).An Investigation of the Suitability of Drilling Fluids Formation using Locally Sourced Materials. *International Journal for Research in Applied Science & Engineering Technology (IJRASET) Vol. 7 Issue VII,pg 76-85 ISSN 2321-0653.*
- Azuokwu, A. A, **Yerima, Y.** and Ngubi, F. W (2019). Performance Evaluation of Waste Treatment in Petroleum Refining and Petrochemical Company and Impacts on the Recipient Medium. *Global Journal of Advanced Research. Vol 6. Issue 6, Pp224-235 ISSN2394-5788 www.gjar.org*
- Azuokwu, A. A. **Yerima, Y** and Azike R. U (2019). Evaluation of the Impacts of Locally Sourced Lost Circulation Materials on Drilling Mud Properties, *Iconic research and Engineering Journals (IRE) Vol. 2, Issue 12, pp187-195 ISSN: 2456-8880*
- Azuokwu, A. A, **Yerima, Y.**, Ngubi, F. W.and Sanusi, T. (2019) Prospects of Using Locally Sourced Oil Palm Fronds Fibres as Fluid Loss Control Additives for

Water based Muds. *International Research Journal of Engineering and Technology (IRJET)*. Vol. 06 Issue 07, Pp94-100 www.irjet.net e-ISSN: 2395-0056. p-ISSN: 2395-0072

- Musa, E. T., Ahmed, A. S., Ishaku, U. S., Abba, H., **Yerima, Y.** and Kolawale, E. G. (2019), Effects of U. V- Light on the Mechanical and Morphological Properties of Waste Cow Leather-HDPE Composite. *Jewel Journal of Scientific Research (JJSR)* 4 (1&2): 10-18. ISSN:2384-6267. jjsr.fukahere.edu.ng.
- Musa, E. T., Hamza, A., Kolawale, E. G., Saturaki, A. H., Nafiu, U. S and **Yerima, Y.** (2019). Morphological Properties of High – Density Polyethylene (HDPE)/Leather Waste Composite. *Jewel Journal of Scientific Research (JJSR)* 4 (1&2):27-35. ISSN:2384-6267. jjsr.fukahere.edu.ng.
- Eiroboyi I and **Yerima, Y.** (2021). The Production and Optimization of Bioethanol from Oil Palm Fronds: A Source of Renewable Energy. *Chemical Science International Journal* 30 (5) 32-4; <https://doi.org/10.9734/CSJ/2021/v30i530232>.
- Yerima, Y.**, Eiroboyi, I., Raji, W. A., Osakue, Y. I. (2021). Evaluation of the Performance of Ethylene Di- Ammine Tetra Acetic Acid Modified Activated Carbon for Lead Ion Adsorption from Palm kernel Shell. *Chemical Science International Journal* 30 (5) 13-23; <https://doi.org/10.9734/CSJ/2021/v30i530230>.
- Adeyemi, A. U. Eiroboyi, I, **Yerima, Y.**, Akinmoji, T. E. B., Uti, O. L., (2021). Improved Biogas Production from Corn Stalks, PigManure and Eggshell. *Journal of Advances in Biology and Biotechnology*. 24 (4): 39- 47. <https://DOI:10.9734/jabb/2021/v24i4302>.
- Yakubu Yerima**, Anselm Igbafe, Rowland Ugochukwu Azike, Augustine Azubike Azuokwu, Fredriks Wirsiy Ngubi; Optimization of the Solvent Extraction of Spotted Pumpkin (*Lagenaria Breviflora*) Seed Oil Using Responds Surface Methodology, Iranian Journal of Chemistry and Chemical Engineering, Manuscript ID: IJCCE-5289, 2022.
- Yerima, Y.**, Igbafe, A. I., Azike, R.U., Azuokwu, A., and Ngubi, F. W. Studies on *Lagenaria Breviflora* Seed Oil for its Potentials as Feedstock for Fatty Acids Methyl Esters Production in Nigeria, *European Modern Studies Journal Vol 6 No 4, ISSN 2522-9400*, available at journal-ems.com, 2022.
- Yerima, Y.**, Abdurraman, M. I., Khamis, A. L. and Sani, G. (2023). Evaluating the effects of Process Conditions on Bioethanol Production from Raffia Palm Fronds, *Nigerian Journal of Engineering Science Research (NIJESR) Vol 6 No 1*, available at <http://www.iuokada.edu.ng/journals/nijesr>

c). Conference Proceedings:

B.O.Aderemi, V.I.O Ndirika and **Y.Yerima** Design and Fabrication of an Intermediate Ginger Pulverizing Machine for Rural Dwellers. *Proceedings of the 38th Annual Conference of NSChE, 30th Oct. -1st Nov., 2008, Effurun, Nigeria*

M.T. Esther and **Y. Yerima**: Characterization of Nigerian Ginger Oleoresin. *Paper presented at the 24th Annual Conference of National Association of Nigerian Women in Colleges of Education, 6th- 8th March, 20009, Zaria*

Yerima Yakubu, Aisien Felix Aibuedefe and Aluyor Emmanuel Osikhuemeh . Studies on the Degradation of Raphia Palm Frond for Bioethanol Production using *Tricoderma Reisi*. *7th International Symposium on Energy from Biomass and Waste. Venice2018 15th – 18th October, 2018.*

Augustine A. Azuokwu, **Yerima, Yakubu**; Roland Azike (2021). Production and Performance Evaluation of Biodetergents as an Alternative to Conventional Drilling Detergent. *Nigeria Annual International Conference and Exhibition (NAICE)* organized by the Society of Petroleum Engineers, Nigerian Council (SPENC) at Eko Hotel, 2nd – 4th August 2021.

d). Book Titles

Yerima, Y.; Benson Aderemi (Ed) and Victor, I. O. Ndirika (Ed) (2016): Ginger Processing and Equipment Design: A case study of ginger pulverizing machine for the extraction of water soluble components. *Scholars'Press, OmniScriptumGmbH & Co. KG,BahnhofstaBe 28, 66111 Saarbruken, Deutschland/ Germany ISBN 978-3-659-84114-9*

25. Inventions/Innovations and Awards:

Design and Fabrication of a Ginger Pulverizing Machine, A.B.U., Zaria, Nigeria
Best Lecturer, Gen. Abdulsalam A. Abubakar College of Engineering, IU, Okada (NUESA Evaluation, 2013).

Best Lecturer, Gen. Abdulsalam A. Abubakar College of Engineering, IU, Okada (University's Management Evaluation, 2017).

26. Hobbies: Reading, Watching Science Fiction Movies and Travelling

27. Names and Addresses of Referees:

a. Engr. Prof. R. U. Azike

Dean

Gen. Abdul Salami A. Abubakar College of Engineering

Igbinedion University, Okada

08035035446

b. Engr. Prof. B. O. Aderemi

Department of Chemical Engineering,

Ahmadu Bello University, Zaria, Nigeria

08033844528

c. Engr. Prof. S.E Ogbeide

Department of Chemical/Petroleum Engineering
Igbinedion University, Okada

08037483421