Curriculum Vitae

**John Olusegun OJEDIRAN, PhD**

 **Lecturer, Agricultural, Biosystems and Food Process Engineering**

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**PROFESSIONAL SUMMARY**

Ojediran John is an Associate Professor in Agricultural and Biosystems Engineering department at the Landmark University, Omu Aran Kwara State, Nigeria. There I teach courses in Agricultural and Food Product Processing and Storage Engineering. I hold the Bachelor and Master Degrees in Agricultural Engineering of the University of Maiduguri, Maiduguri and University of Ibadan, Ibadan, respectively. I obtained my PhD in Crop Processing and Storage Engineering at the University of Ibadan. My research sought to understand the drying behavior and moisture sorption/stability of millet and castor. I am interested in the optimization of drying process, design of efficient drying and storage systems for crops, identifying conditions necessary in the process line for the production of high quality products and development of systems that apply non-destructive techniques to Agricultural and Food products quality inspection and evaluation. I am also interested in an academic programme aimed at developing entrepreneurs who will be self-supporting, wealth creators and contributing to the country’s economic development and poverty reduction. I previously worked as a Lecturer at Ramat Polytechnic, Maiduguri where I rose to the rank of Principal Lecturer in addition to holding key positions. I have published peer reviewed articles in some journals and contributed papers and abstracts to National and International Conferences. I have also been on teams that executed some funded projects. I am currently lecturing in Landmark University where I have served as acting Head of Department, acting Dean of the College of Science and Engineering, Director, University Wide Courses (UWC) and presently returned as Dean of Engineering.

**RESEARCH INTERESTS**

\*Biopolymer Conversion into Biofuels

\*Transport Phenomena (Energy and Exergy) in Food Processing

\*Sorption Phenomena, Drying Characteristics and Storage Stability of Food and Agric. Products

\*Engineering Properties of Agro materials in Relation to Bulk Handling & Processing

\*Renewable Energy.

\*Effective and efficient financing of agricultural enterprise.

**BIODATA**

**Nationality:** - Nigerian

**State of Origin:** - Oyo

**Date of Birth:** - 16 December, 1964

**Sex:** - Male

**Marital Status:** - Married

**Religion:** - Christianity

**Number of Children, names and ages:** 5., Tunji (22), Daniel (20), John Jnr (16), Rachael (14)

 **a**nd Eunice (14)

**Home Address:** Block M, Flat 1, Snr Staff Quarters, Landmark University, Omu-Aran.

**EDUCATION AND TRAINING**

University of Ibadan, Ibadan, Nigeria

**PhD Agricultural Engineering (Processing and Storage)**  2010

Dissertation: Sorption Phenomena and Mechanism of Moisture Movement during Drying of Millet (*Pennisetum glaucum*) and Castor (*Ricinus communis*) Seeds 148pp.

University of Maiduguri, Maiduguri, Nigeria

**MBA Management** 2000

Thesis: Effect of Conflict and Conflict Management on Foreign Direct Investment 74pp

University of Ibadan, Ibadan, Nigeria

**M.Sc. Agricultural Engineering** 2003

Thesis: Design and Construction of a Multicrop Cereal Cleaner. 62pp.

University of Maiduguri, Maiduguri, Nigeria

**B. Sc. Agricultural Engineering** 1990

Project: Effect of Irrigation Frequency on Root Growth and Crop Water Use of Wheat 51pp.

St. John’s College, Jos. Plateau State, Nigeria

**WASC/GCE ‘O’ Level**  1983

**PROFESSIONAL DEVELOPMENT, SHORT COURSES AND CONTINUING EDUCATION**

Yasib Computer Institute, Maiduguri, Nigeria

 **Computer Application and Data Processing** 1999

**International R&D Workshop in Agricultural Engineering Technologies**, MASHAV

Bet Dagan, Israel 2006

**Training course on Advance Digital Appreciation Programme for Tertiary Institutions**

**(Statistical Package for Social Sciences)**, Digital Bridge Institute/ NCC 2019

**AWARDS AND HONORS**

Best Graduating B.Sc Agric. Eng’ng Student 1990

Staff Development Training Fellowship, MASHAV, State of Israel. 2006

**PROFESSIONAL ACADEMIC EMPLOYMENT**

Department of Agricultural and Biosystems Engineering, Landmark University, Omu-Aran.

Professor Nov 2021

Associate Professor 2016 - 2021

Senior Lecturer 2013 – 2016

Lecturer I 2011 – 2013

Department of Agricultural Sciences and Technology, Ramat Polytechnic, Maiduguri

Principal Lecturer July 1993 – March 2011

**B.Eng. Honors Theses Supervised:** 18 between 2013 and 2021

**M.Sc. Theses Supervised:** 3 between 2019 and 2021

**Ph.D Supervision:**

Nil

**TEACHING**

**Dept. of Agricultural & Biosystems Engineering, Landmark University, Omu-Aran, Nigeria, 2011 - present**

* Agricultural Product Processing and Storage
* Drying of Food and Agricultural Products
* Statistical Methods for Engineers
* Hydrology
* Agric. & Bio systems Eng. Lab
* Properties and Processing of Agricultural Materials
* Farm Structures and Environmental Control
* Food Engineering
* Processing and Storage of Agricultural Products
* Food and Agricultural Biotechnology
* Engineering Management
* Advanced Drying Systems for Agricultural and Biological Products (PG)
* Research Methodology and Experimental Design Analysis (PG)
* Heat and Mass Transfer (PG)
* Solar Energy for Agricultural Production (PG)
* Processing of Agricultural Products (PGD)

Dept. of Agricultural Sciences and Technology (Agricultural Engineering), Ramat Polytechnic, Maiduguri, Borno State, Nigeria, 1993 – 2011

* Descriptive Geometry
* Crop Drying
* Engineering Properties of Biomaterials
* Strength of Materials
* Crop Harvesting Methods and Equipment
* Advanced Crop Drying and Storage
* Stores Management
* Soil Mechanics
* Research Methods

**National Youth Service Corp, Kano State, Nigeria, 09/1990 - 09/91**

Project Engineer, ADONAI FARMS, Emene Enugu (Owned by ANCCF).

**GRANTS AND PROJECTS EXECUTED**

Lake Chad Research Institute (LCRI) Maiduguri Research Grant

Project Team Member: . 2002-2004 2,500 USD

Design, Construction and Performance Evaluation of a Guna Fruit Digester for Seed Extraction.

**PROFESSIONAL SERVICES AND ACTIVITIES**

**External Examiner**

Agricultural Engineering Programme, IAR&T, Ibadan 2016 – 2018

Dept. of Agricultural Engineering,

Ladoke Akintola University of Technology, Ogbomoso. 2017

Dept. of Agricultural Engineering,

Adeleke University, Ede 2020 - present

**Visiting Lecturer**

Dept. of Agricultural & Biosystems Engineering, University of Ilorin. 2017- present

Teaching: Properties and Processing of Agricultural Products, Aquaculture Engineering, Solar Energy Applications in Drying, Storage of Agricultural Products

**Journal Manuscript Reviewer**

*The CIGR Ejournal*, *NIAE* Conference Proceedings. *International Journal of Agricultural Management and Development, Croatian Journal of Food Science and Technology*

**Academic and Administrative Responsibilities – Landmark University, Omu-Aran.**

Departmental Level Adviser, Department of Agricultural and Biosystems Engineering 2011 – 2012

Co-ordinator, Department of Agricultural and Biosystems Engineering 2012-2013

Ag. Head, Department of Agricultural and Biosystems Engineering 2013 – 2016

Acting Dean, College of Science and Engineering 2016-2018

Director, University Wide Courses (UWC) 2018-2019

Ag. Head, Department of Agricultural and Biosystems Engineering 2019 – August 2021

Dean, College of Engineering September 2021 - present

Member, Board of School of Postgraduate Studies 2017-2018, 2021 - present

Other University Assignments:

* Member, Ist Matriculation Committee (April 2011)
* Chairman, Landmark University Farm Practice Committee (2012-March 2014)
* Member, Governing Council, Landmark University Staff School (2012-2017)
* Chairman, Landmark University Chapel Committee (2012-present)
* Member, Faculty Mentoring and Support Programme (FSMP) (2013-present)
* Member, Faculty Coaches for NUC ANEW 2014 (2014, 2015)
* Member, Landmark University Farms Board (Dec 2014-Oct 2016)
* Chairman, Landmark University Commercial Farms Board (2018-Oct 2019)
* Member, LU Pre-Degree Prog. Planning & Implementation Comm. (Jan 2015-2017)
* Chairman, Students Resumption & Reception Committee 2015/2016, 2016/2017 Session
* Chair, Landmark University Community Impact and Development Initiative

(Nov 2019-present)

* Chair, LMU Covid-19 Palliative Committee May 2020 – present
* Member, PG Board of Studies 2021- present

**PROFESSIONAL MEMBERSHIP**

Member, Nigerian Institution of Agricultural Engineers (NIAE) M596

Member, Nigerian Society of Engineers (NSE) R.N. 10667

Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN)R.N.18,224 Member, American Society of Agricultural and Biological Engineers. R.N. 1043286

Member, Science Association of Nigeria (SAN)

Member, African Network on Solar Energy (ANSOLE)

**PUBLICATIONS**

Peer – reviewed published articles 60

Abstracts and conference proceedings 16

**Peer - Reviewed Published Articles**

1. **[John O.Ojediran](https://www.sciencedirect.com/science/article/pii/S2405844021024154%22%20%5Cl%20%22%21)**, [Clinton E.Okonkwo,](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21) [Abiola F.Olaniran,](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21) [Yetunde M.Iranloye](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21), [Adejoke D.Adewumi](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21), [OluwakemiErinle](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21),[Yemisi TokunboAfolabi,](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21) [OladayoAdeyi](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21) & [AbiolaAdeyi](https://www.sciencedirect.com/science/article/pii/S2405844021024154#%21) (2021). Hot air convective drying of hog plum fruit (*Spondias mombin*): effects of physical and edible-oil-aided chemical pretreatments on drying and quality characteristics. [*Heliyon*](https://www.researchgate.net/journal/Heliyon-2405-8440) 7(11) DOI:[10.1016/e08312](http://dx.doi.org/10.1016/j.heliyon.2021.e08312)
2. **John O. Ojediran,** Adewumi Oluwasogo, Stephen O. Aniyi, Robinson O. David & Adejoke D. Adewumi (2021).Mechanism and Isotherm Modeling of Effective Adsorption of Malachite Green as Endocrine Disruptive Dye using Acid Functionalized Maize Cob (AFMC). *Scientific Reports* 11:21498 [**Scopus Indexed]**
3. **Ojediran O.J**, Dahunsi S.O, Aderibigbe V, Abolusoro S, Adesulu-Dahunsi A.T, Odekanle E.L, Odejobi O.J, Ibikunle R.A, Ogunwole J.O (2021). Valorization of Pennisetum purpureum (Elephant grass) and Piggery Manure for Energy Generation.*Fuel. 302, 121209,pp1-9* **[Scopus Indexed]**
4. E.C. Chukwuma, C.C. Okonkwo, **J.O.** **Ojediran,** D. C. Anizoba, J. I. Ubah and C. P. Nwachukwu (2021).A GIS-based flood vulnerability modelling of Anambra state using an integrated IVFRN-DEMATEL-ANP model. *Heliyon* 7 e08048. **[Scopus Indexed]**
5. E. C. Chukwuma, **J. O. Ojediran**, D. C. Anizoba, J. I. Ubah and C. P. Nwachukwu (2021). Geo-spatially based analysis and economic feasibility evaluation of waste-to-energy facilities: a case study of local government areas of Anambra state of Nigeria. *Biomass Conversion and Biorefinery* https://doi.org/10.1007/s13399-021-01783-5 **[Scopus Indexed]**
6. [Clinton E. Okonkwo](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Okonkwo%2C+Clinton+E), [Abiola F. Olaniran](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Olaniran%2C+Abiola+F), [Oladayo Adeyi](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Adeyi%2C+Oladayo), [Abiola J. Adeyi](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Adeyi%2C+Abiola+J), [**John O. Ojediran**](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Ojediran%2C+John+O)**,** [Adejoke D. Adewumi](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Adewumi%2C+Adejoke+D), [Yetunde M. Iranloye](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Iranloye%2C+Yetunde+M), [Oluwakemi C. Erinle](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Erinle%2C+Oluwakemi+C)(2021). Drying characteristics of fermented-cooked cassava chips used in the production of complementary food: Mathematical and Gaussian process regression modeling approaches. *Journal of Food Process Engineering,44(1)DOI:10.1111/jfpe.13715* **[Scopus Indexed]**
7. **Ojediran, J. O.,** Dada, A. O, Aniyi, S. O. and Robinson David. (2020). Functionalized Zea mays cob as low cost agrowaste for effective adsorption of malachite green dyes data set. *Chemical Data Collections, vol 30,p.100563.* **[Scopus Indexed]**
8. Oluyomi Stephen Adeyemi, Ayonote Divine Ayebakuro, Oluwakemi Josephine Awakan, Olubunmi Atolani, Opeyemi Adejumo, Adewole Ibrahim, Damilare Rotimi, Gaber El-Saber Batiha and **John Olusegun Ojediran**. (2020). Comparative evaluation of the antioxidant capacity of ferulic acid and synthesized propionyl ferulate. *Journal of Applied Pharmaceutical Science.* 10(05), 097-103 **[Scopus Indexed]**
9. [Isaac Akintoyese Oyekola](https://www.tandfonline.com/author/Akintoyese%2BOyekola%2C%2BIsaac), [**John Olusegun Ojediran**](https://www.tandfonline.com/author/Olusegun%2BOjediran%2C%2BJohn), [Oludele Albert Ajani](https://www.tandfonline.com/author/Albert%2BAjani%2C%2BOludele), [Eyitayo Joseph Oyeyipo](https://www.tandfonline.com/author/Joseph%2BOyeyipo%2C%2BEyitayo) & [Bamidele Rasak (2020).](https://www.tandfonline.com/author/Rasak%2C%2BBamidele) Advancing alternative health care financing through effective community partnership: A necessity for universal health coverage in Nigeria**.** *Journal* [*Cogent Social Sciences*](https://www.tandfonline.com/toc/oass20/current) *,Volume 6, -* [*Issue 1*](https://www.tandfonline.com/toc/oass20/6/1)
10. Abiola Folakemi Olaniran, Clinton Emeka Okonkwo, Oluwakemi Christianah Erinle, Akinyomade Oladipo Owolabi, **John Olusegun Ojediran** and Tajudeen Adeniyi Olayanju (2020). Optimum Boiling Duration and Its Effect on Nutritional Quality and Acceptability of Mechanically Dehulled Unfermented Locust Bean Seeds. *Prev. Nutr. Food Sci. 2020;25(2):219-224*
11. [Obafemi Ibitayo Obajemihi](https://ifst.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Obajemihi%2C+Obafemi+Ibitayo), [Joshua Olanrewaju Olaoye](https://ifst.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Olaoye%2C+Joshua+Olanrewaju), [**John Olusegun Ojediran**](https://ifst.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Ojediran%2C+John+Olusegun)**,** [Jun‐Hu Cheng](https://ifst.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Cheng%2C+Jun-Hu) and [Da‐Wen Sun](https://ifst.onlinelibrary.wiley.com/action/doSearch?ContribAuthorStored=Sun%2C+Da-Wen) (2020). Model Development and Optimization of Process Conditions for Colour Properties of Tomato in a Hot‐Air Convective Dryer using Box‐Behnken Design. *Journal of Food Processing and Preservation* <https://doi.org/10.1111/jfpp.14771> **[Scopus Indexed]**
12. **Ojediran, J.O**.,Clinton Okonkwo, Olayanju Adeniyi Tajudeen, Adejoke Adewumi Syed, Z Hussain and Abiola Olaniran (2020). Effect of polishing duration on physical, milling, cooking, and sensory properties of a novel mix‐coloured Nigerian parboiled rice. *Cereal Chemistry* DOI:[10.1002/cche.10337](https://www.researchgate.net/deref/http%3A//dx.doi.org/10.1002/cche.10337?_sg%5B0%5D=Nfecgea1k39wcBFmHU-cB0gwPSRLwgxpa_LTQMxulYLlEmQgKihdvCPVyGzVdSkwCezUCa0qQEqG6dzZofAsaU5FNw.xVkFZW5L94pf4zp7ARw5rtusRoFCyw85onpTBdGN-W6_wF0osqJmOoqZkKVHUivVy30t6j0ja8Ss7txO3sLeCg) **[Scopus Indexed]**
13. **Ojediran, J.O**., Okonkwo, C. E., Adeyi, A. J., Adeyi, O. Olaniran, A. F., George, N. E. & T. A. Olayanju(2020). Drying characteristics of yam slices (Dioscorea rotundata) in a convective hot air dryer: application of ANFIS in the prediction of drying kinetics. *Heliyon,* 6, e0355, pp 1-12 **[Scopus Indexed]**
14. Banjo A. Akinyemi, **John Ojediran**, Olamide Olawale, and Stephen Ayanwola. (2020). Efficacy of expanded polystyrene as fine aggregate in cement mortars modified with latex paint as an alternative to polymer admixture. *Journal of the Mechanical Behavior of Materials,* 29:163–168
15. **Ojediran, J.O**., Okonkwo C.E., A. S. Alake, Alhassan, E.A. and T.A.Olayanju (2019).Design, development and evaluation of a motorized rice grader. *Journal of Food Process Engineering, doi:10.1111/jfpe.13336, 1-8* **[Scopus Indexed]**
16. Komolafe, C.A., **Ojediran, J.O.**, Ajao, F., (2019). Modelling of moisture diffusivity during solar drying of locust beans with thermal storage material under forced and natural convection mode. *Case Studies in Thermal Engineering*. *(Online)* **[Scopus Indexed]**
17. Charles.O.A., **Ojediran, J.O.**, Juliana, B.A. and S.O. Owa (2019). Influence of chitosan edible coating on postharvest qualities of Capsicum annum L during storage in evaporative cooling system. *Croat. J. Food Sci. Technol. 11(1): 1-8*
18. Dahunsi SO, A.T. Adesulu-Dahunsi, C.O. Osueke , A.I. Lawal, T.M.A. Olayanju, **J.O. Ojediran,** J.O. Izebere (2019). Biogas generation from Sorghum bicolor stalk: Effect of Pretreatment methods and economic feasibility. *Energy Reports 5 (2019) 0–9* **[Scopus Indexed]**
19. Dada, A.O., **J.O. Ojediran**, A.A. Okunola, F.E. Dada, A.I. Lawal, A.P. Olalekan and O. Dada (2019).Modeling of biosorption of Pb (ii) and Zn (ii) ions onto pamrh: langmuir, Freundlich, temkin, dubininraduskevich, Jovanovic, floryhuggins, Fowler-guggenheim and Kiselev comparative isotherm studies.*IJMET,Volume 10, Issue 02, pp.* **[Scopus Indexed]**
20. Dahunsi,S.O, S. Oranusi, V.E. Efeovbokhan , A. Olayanju, S. Zahedi, **J.O. Ojediran**, J.O. Izebere and O.J. Aladegboye (2018). Anaerobic conversion of Chromolaena odorata (Siam weed) to biogas. *Energy Reports 4 (2018) 691–700* **[Scopus Indexed]**
21. **Ojediran, J.O**., Okonkwo C.E., Okunola, A. A. and A. S. Alake (2018).Development of a motorized rice de-stoning machine. *AgricEngInt: CIGR Journal 20(4):202-209* **[Scopus Indexed]**
22. Clinton, E.O., Abiola, O., **J.O.Ojediran,** T.A.Olayanju, Faith A. and| A.S. Alake (2018). Design, development, and evaluation of locust bean seed dehuller*. J Food Process Eng. DOI: 10.1111/jfpe.12963:1-8* **[Scopus Indexed]**
23. Dahunsi SO, Oranusi S, Efeovbokhan VE, Zahedi S, **Ojediran JO,** Olayanju A, Oluyori A.P., Adekanye TA, Izebere JO, Enyinnaya M (2018). Biochemical conversion of fruit rind of *Telfairiaoccidentalis* (Fluted Pumpkin) and Poultry manure. *Energy Sources (Part A)* DOI: 10.1080/15567036.2018.1511651 **(Taylor and Francis). Clarivate Analytics and Scopus Indexed.**
24. Adeniyi Tajudeen Olayanju, Clinton Emeka Okonkwo, **John Olusegun Ojediran**, Samuel Adewumi Alake, Abiodun Afolabi Okunola, Aina Alhassan, Abiola Olaniran, Endurance Osaivbie Idahosa (2018).Development of an Improved Gari Fryer. IJMET, Volume 9, Issue 11, pp. 769–778, **[Scopus Indexed]**
25. Adesulu-Dahunsi, A.T., Sanni, A.I., Jeyaram,K., **Ojediran, J.O.,** Ogunsakin, A.O. and K. Banwo (2018). Extracellular polysaccharide from *Weissella confusa* OF 126: Production, optimization and characterization. *International Journal of Biological Macromolecules**111****,*** *514-525.* **[Scopus Indexed]**
26. Adetunji, C.O., Aroworora, K.A., **Ojediran, J.O.,** Owa, S.O., Ogundele, B.A. and A.T.J. Ogunkunle (2018). Effects of different packaging materials coated with *aloe vera* extract on the microbial quality of African breadfruit flour (*Treculia Africana*) during storage. *Trends in Horticulture, vol 1 pg 1-8* doi:10.249/th.vli 4.864
27. Dada, A.O., **Ojediran, J.O.,** Dada, F.E., Olalekan, A.P. and O.J. Awakan (2017). Green Synthesis and Characterization of Silver Nanoparticles Using *Calotropis procera* Extract. *Journal of Applied Chemical Science International* 8(4):137-143.
28. **Ojediran, J.O.,** Fasimirin, J.T and Owa, O.P. (2017). Development and Performance Evaluation of an Indigenous Fish Feed Pelletizing Machine. *FUTAJEET* 11(2): 139-148.
29. Dada, A.O., Latona,F.D., **Ojediran, O.J.,** Nath, O.O. (2016). Adsorption of Cu(II) onto Bamboo Supported Manganese (BS-Mn) Nanocomposite: Effect of Operational Parameters, Kinetic, Isotherms, and Thermodynamic Studies. *J. Appl. Sci. Environ. Manage.*, 20(2), 409-422.
30. Ndubuisi, A. A., **Ojediran, J.O.,** Sa’id, U.M. and Abdulganiy, O.R (2016).Effect of moisture sorption hysteresis on thermodynamic properties of two millet varieties. *AgricEngInt:CIGR Journal, 18(1):363-383.* **[Scopus Indexed]**
31. Gana, A. J. and **J.O. Ojediran** (2015). Challenges of Technological Development in Nigerian Industry. *International Journal of Pure and Applied Science, 5(1):62-74*
32. Ikponmwosa Oghogho and **Ojediran John** (2015). Mobile Phone-Driven Innovative Farm Diffusion:The Nigerian Road Map. *International Journal of Knowledge, Innovation and Entrepreneurship Volume 3 No. 3, 2015, pp. 37—49*
33. Abiodun,A.O., J.C. Igbeka., Caroline,O.O. and **J.O. Ojediran** (2015).Comparison of Water Adsorption Characteristics of Plantain and Cocoyam in a Controlled Storage Condition. *Food Science and Quality Management, vol.43, 7-13*
34. Bello, O.M., **Ojediran, J. O.,** Dada, A.O., Olatunya, A.M., Awakan, O.J. (2015). Invivo Toxicity Studies and Phytochemical Screening of Stem Bark of *Ficus sycomorcus Linn* (Moraceae)**.** *Journal of Environmental Science, Toxicology and Food Technology, vol 9, Issue 3, ver 1. 2319-2402.*
35. Gana, A. J.and **Ojediran, J. O.** (2015). Engineering Approach Measures to Solid Waste Disposal Management as an integral part of Environment Menace in Omu- aran, Irepodun Local Government Area, Kwara State. *Journal of Research in Environmental Science and Toxicology, 4 (1): 10-19*
36. **Ojediran, J. O.,** Raji, A. O. and Aviara, N. A. (2014). Moisture Sorption Properties of Castor Seeds. *Agricultural Engineering Today, 38(1):38-44*
37. Adepoju, T. F., **Ojediran, J.O.,** Olawale, O. and S.K.Layokun (2014). Application of Response Surface Methodology (RSM) and Artificial Neural Network (ANN) for achieving desired BA in the biotransformation of Benzaldehyde using free cells of Saccharomyces cerevisiae and the effect of B-Cyclodextrin. *International Journal of Sustainable Energy and Environmental Research, 3(1):62-79*
38. Gana, A. J and **Ojediran, J. O.** (2013). University Engineering Needed Reforms to meet Graduates’ and Industrial Expectations (Nigerian Perspective). *African Journal of Engineering Research and Development, 6 (1):164-167*
39. Gana, A. J and **Ojediran, J. O.** (2013). Accreditation Systems for Engineering Programmes - The Nigerian Experience. *International Journal of Scientific Innovations and Sustainable Development, 3:1,72-80*
40. **Ojediran, J. O.,** Raji, A. O. and H. I. Owamah (2013). Isosteric Heats of Water Vapor Sorption in Two Castor Varieties. *J. Chem. Eng Process Technol 4:2, 1-6*
41. Dada, A.O., **Ojediran, J.O.** and A.P. Olalekan (2013).Sorption of Pb2+ from aqueous solution unto modified rice husk: Isotherms studies. *Hindawi Journal of Advances in Physical Chemistry*, vol 2013, doi.org/10.1155/842425
42. Adekanye, T. A. and **Ojediran, J. O.** (2013). Agricultural Engineering Profession and Food Security in Nigeria: A Review.*Continental Journal of Engineering Sciences.* 8 (1): 21 - 27.
43. Aviara, N.A., Edward, M. Y. and **Ojediran, J. O.** (2013). Effect of moisture content and processing parameters on the strength properties of Brachystegia Eurycoma seed. *Global Journal of Engineering, Design and Technology, Vol. 2(1) 8-20.*
44. Mofolasayo, A. S., Otuonye, A. H. **Ojediran, J. O.** and S. O. Adio (2013). Performance evaluation of two cocoa fermentation techniques. *African Journal of Agricultural Research and Development, Vol. 6(1) 18-24.*
45. Mofolasayo, A. S., Ipinmoroti, R. R., **Ojediran, J. O.** and N. I. Nwagugu (2013). Some Physical properties of Kola (Cola nitida). *African Journal of Agricultural Research and Development, Vol. 6(1) 92-98.*
46. Adepoju, T.F., Layokun,S.K., **Ojediran, J.O.** and O. Charles (2013). Optimization of Benzyl Alcohol production via biotransformation of benzaldehyde using free cell of *Saccharomyces cerevisiae* in presence the B-Cyclodextrin. *International Journal of Scientific & Engineering Research*, vol 4, issue 12,1430-1444
47. Adepoju, T.F., Layokun,S.K., **Ojediran, J.O.** and O. Charles (2013). An innovative approach to biotransformation of benzaldehyde to L-PAC via cells of *Saccharomyces cerevisiae* in presence the B-Cyclodextrin. *International Journal of Scientific & Engineering Research*, vol 4, issue 12, 372-385.
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3. **Other Manuscripts Submitted for Publication**

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1. **Ojediran J.O.,** Adewumi A.D., Oladele S.O., Moses O.I. and Okonkwo C.E. Drying characteristics and mathematical analysis of parboiled paddy rice dried in a superheated steam dryer. International Journal of Agricultural and Environmental Information Systems **[Scopus Indexed ]**
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3. **Ojediran, J.O**., Okonkwo, C. E., Adeyi, A. J., Adeyi, O. Olaniran, A. F., George, N. E. & T. A. Olayanju Mathematical modeling of the moisture ratio during drying of Yam (*Dioscorea rotundata*) in a hot air dryer.
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**Signed 10/01/2022**