

# PROFILE OF PROFESSOR ADENIYI OLAYANJU

ORCID: 0000-0002-4771-1171; SCOPUS AUTHOR ID: 57203874557; and WEB OF SCIENCE RESEARCHER ID: AAO-9235-2020

- i) **Brief Biography:** Adeniyi OLAYANJU is a Professor of Sustainable Agricultural Mechanization from the Federal University of Agriculture Abeokuta (FUNAAB) Ogun State Nigeria, the Immediate Past Vice – Chancellor of Landmark University, Kwara State; the Pioneer Vice-Chancellor of Philomath University Abuja; a Former Dean of Students Affairs, FUNAAB and the Pioneer Dean of Engineering, Oyo State College of Agriculture and Technology, OYSCATECH, Igboora.

He is a product of the University of Ibadan. He had part of his training at the Central Institute of Agricultural Engineering, CIAE, Bhopal MP, India and China Bamboo Research Centre CBRC, Hangzhou, China. He was a Principal Research Engineer at the Federal Institute of Industrial Research: Oshodi, Lagos and currently a Global Partner - Africa to the Human Biology (Global Hidden Hunger) Program of University of Toronto, Canada. He delivered the 51st Inaugural Lecture of FUNAAB titled: Man, Material and Machine - The Tricycle of Agricultural Mechanization.

- ii) **Passport-Sized Photograph:**



- iii) **Personal Information**

<b>Name in Full:</b>	<b>Engr. Professor Adeniyi OLÁYANJÚ</b>
<b>Date of Birth:</b>	<b>August 12, 1968</b>
<b>Place of Birth:</b>	<b>Ibadan, Oyo State</b>
<b>Age:</b>	<b>55years</b>
<b>Sex:</b>	<b>Male</b>
<b>Marital Status:</b>	<b>Married</b>
<b>Nationality:</b>	<b>Nigerian</b>
<b>Town and State of Origin:</b>	<b>Ibadan, Oyo State.</b>

- iv) **Department of Agricultural and Bioresources  
Engineering, College of Engineering, FUNAAB, Abeokuta, Ogun State**

v) **E-mail Address:** [olayanju.adeniyi@funaab.edu.ng](mailto:olayanju.adeniyi@funaab.edu.ng)

vi) **Phone Number:** 07037595882; 08109011102

- vii) **Rank: Professor**
- viii) **Designation: FUNAAB-SDGs Resource Person**
- ix) **Researchgate Address: [https://www.researchgate.net/profile/Olayanju\\_Tajudeen](https://www.researchgate.net/profile/Olayanju_Tajudeen)**
- x) **Linked Address: <https://www.linkedin.com/in/olayanju-adeniyi-6a8a5888/>**
- xi) **Google Scholar Profile: <https://scholar.google.com/citations?user=X2MNH2EAAAAJ&hl=en&authuser=2>**
- xii) **ORCID Number: <https://orcid.org/0000-0002-4771-1171>**
- xiii) **Qualifications**
  - Ph.D., Agricultural Engineering, (Crop Processing & Storage) - June, 2002
  - M.Sc, Agricultural Engineering, (Crop Processing & Storage) - Oct, 1997
  - B.Sc, Agricultural Engineering, (2<sup>nd</sup>Class Upper Division) - Oct, 1992
  - West African School Certificate, (WASC) - June, 1985
- xiv) **Membership of Professional Bodies**
  - Registered Engineer, Council for the Regulation of Engineering in Nigeria, COREN,
  - Fellow, Nigerian Institution of Agricultural Engineers, FNIAE
  - Fellow, Institute of Management Consultants, FIMC
  - Member, Nigerian Society of Engineers, MNSE
  - Member, Nigerian Institute for Food Science and Technology, MNIFST
- xv) **Award Received**
  - Pan African Leadership Award – Icon of Educational and Human Capital Development by Initiative for Positive Influence on African Youth, Accra Ghana - 2021
  - Pan-Regional Leadership Honour – African Patriotic Leader by Trans-African Youth Initiative (TAYI) Accra Ghana - 2020
  - Certificate of Recognition by African Union – As Champion to populate the African Union Network of Science (AUNS) -2018
  - Exemplary Leadership Award in Honour of selfless Service and awesome contributions to the Birth of the Nigerian Society of Engineers, Omu-Aran Branch - 2018
  - LMU – CLR award towards the Recognition of the Agrarian Mandate of LMU -2018
  - Revolutionary Leadership Award by LMU CBS Students - 2018
  - Effective Manager of the Year Award by LMU CSE Students - 2018
  - Global Leadership and Generational Impact Award by David Oyedepo Student Legacy - 2017
  - FUNAAB PGSA Award of Excellence in Recognition of Outstanding Performance in Driving academic Leadership and Selfless Service to the Development of Postgraduate Students - 2017
  - First Bank, Kwara Business Unit Legacy Award for Grant Patronage - 2017

The Legend Award of Excellence by TACSFON, FUNAAB -2016  
 Engineering Academic Staff of the Year Award by FUNAAB NUESA - 2015  
 Enigma Award for Excellence by Nig Univ Engrg Stud Ass.FUNAAB - 2013  
 Award of Honour, by Nig. Ass. of Fd Sc and Tech Students, NAFSTS, FUNAAB - 2013  
 Antigravity Award for Most Friendly Lecturer by NUESA, FUNAAB -2008  
 National Award on Design of Process Equipment/Plant by RMRDC - 2005  
 Award of Honour, by Nig. Ass. of Fd Sc and Tech Students, NAFSTS, FUNAAB - 2013  
 Antigravity Award for Most Friendly Lecturer by NUESA, FUNAAB - 2008  
 National Award on Design of Process Equipment/Plant by RMRDC -2005  
 National University Commission Researcher Awards - 2005  
 Best Worker of the Year, Fed Inst of Ind.Res, (FIIRO)Lagos - 1999 & 1998  
 Best Graduate / Graduate of the Year Awards, Nigerian Society of Engineers - 1996/1997

**xvi) Research Conducted:**

Development of Ofada Rice Threshing and Cleaning Machine. FUNAAB Project -2011  
 Biodiesel Production from Renewable Resources using Designed Transesterification Reactor Plant in a Batch Process. An – IFSERAR, FUNAAB Project. - 2010  
 The Development of a Vegetable Oil Expeller/Filter Press (FIIRO Research Project)  
 The Development of a Palm Oil Refining Plant. (FIIRO Research Project)  
 Setting up of a Pilot Hydroponics System / Soilless Farming in Land Mark University. A Bic Concept / LMU Collaborative Project.  
 Establishment of A - 4ha Cassava Demonstration Farm and Cassava Processing Quality Management in Landmark University. A- FUNAAB/CAVA (Cassava Adding Value to Africa) II Subgrant Project.

**xvii) Conferences Attended:**

1. Achieving the Sustainable Development Goals through Humanities, Management and Social Sciences' Research. A Keynote Address Delivered at the Maiden Conference of College of Humanities, Management and Social Science of Mountain Top University, Lagos on Wednesday, 27<sup>th</sup> April 2022.
2. Leadership and Service - The Way Forward: From Bottom-Up Module. A Presentation at the Public Lecture and award Night Organized by the Merit Time International, Abuja on Thursday, 29<sup>th</sup> March, 2022.
3. Engineering: The Bedrock of Sustainable Development. An Engr Prof Ofi Distinguished Lecture Organized by the Nigerian Institution of Mechanical Engineers, Ibadan Branch on Thursday 10<sup>th</sup> March, 2022.
4. Building Competencies – The Place of Knowledge Impartation, Skill Acquisition and Experience. A Mentorship Programme Organized By the Alumni of Ikolaba Grammar School on November 19 2021.
5. The SDGs and Food Security: From Zero Hunger to Global Hidden Hunger Challenge. A Global Partnership Presentation at the Human Biology Program of the University of Toronto on Friday 25th September, 2021

6. Bamboo Value Chain Development in Nigeria: A Presentation made at the Bamboo Stakeholders meeting organized by Federal Ministry Industry, Trade and Investment, Abuja on the August 23 2021
7. Experimental Biology: A Panacea for Emergency Health Challenges and Sustainable Development. A Keynote Address at the 20th Annual Scientific Conference of NISEB on August 9, 2021
8. Landmark United Nation SDGs Drive- Towards A Sustainable Agrarian Revolution. A Presentation made to the United Nation at the 11th LUCRID and Solution 17 Webinar held on August 2, 2021
9. Exploring the Synergy between Landmark Strategy Goals (LSG1-12) and the UN-Sustainable Goals (SGD1-17). A presentation made at the 10th LUCRID Webinar held on Tuesday 27th July, 2021
10. Synergy between Agricultural Production, Technological Innovation and Management Efficiency; A Panacea to Economic Stability, Post Pandemic. A Keynote Address at the 2nd OYCATECH Biennial Conference held on Tuesday July 12, 2021
11. The 17 SDGs: Exploring Research, Outreach, and Stewardship Components of the Goals. A keynote address delivered at Humboldt Kolleg, Ogbomosho 2021 on June 29 2021.
12. Covid -19 has done more Harms than Good to the Quality of Higher Education in Africa – A Presentation at NUC Inter-Group Debate on Quality Assurance on Behalf of Nigerian Vice- Chancellors, June 12, 2021
- 13.. Engineering Innovation as a Catalyst for Rapid Economic Growth. A Keynote Address delivered at the 3 rd International Conference on Science, Engineering and Technology, College of Engineering, FUNAAB on May 24, 2021
14. Enabling Sustainable Food Systems Through the Agricultural Value Chain in Nigeria, Presented at the Food Systems Submit 2021 Dialogues on March 17 2021.
15. Engineering for Sustainable Development: Delivering on the SDGs. Presented at the World Engineering Day Programme of the Nigeria Society of Engineers Omu Aran Branch on March 4, 2021
16. Food Security in Post Covid – 19 Era; Role of Agricultural Engineers in the SDGs. Presented at the NIAE South West Zonal Meeting held on December 18 2020
17. Persistence Tension Among Academic and Professional Engineers: A fundamental dilemma between Science and Art in the professional education presented at Annual Dinner and Award Organizedby the Nigerian Society of Engineers on December 17, 2020
18. Energizing Innovation and Research in Nigeria. A Virtual Presentation at the Nigerian Energy Forum Webinar on December 3, 2020.
19. Innovative Bamboo Utilization for Sustainable Cities and Communities: The Landmark SDGs11 Story Presented at the ABDN Webinar on World Bamboo Day September 18, 2020
20. Provision of Infrastructural Facilities: A Basic Requirement for World- Class Ranking Presented at the 2nd LUCRID Webinar held on August 19, 2020
21. Post Covid-19: Sensitization of African Students on Digital Transformation of Education in a New Normal. A Virtual Presentation at the African Young Brains (Great Leaders Great Nations Summit 2.0) Themed: Rethinking Education beyond the New Normal in Africa Held on July 4, 2020

22. Work – Life Balance: Scaling Hurdles and Road to the Top. Paper Presented at the Personality Lecture Series of AESS, University of Ibadan. October 24, 2019.
23. Extension and Commercialization of Agricultural Mechanization Technologies: Issues, Constraints and the way forward. Keynote Address Delivered at the Annual Mechanization Stakeholders’ Meeting held at the Conference Hall of National Centre for Agricultural Mechanization, Km 20, Ilorin – Lokoja Highway on January 28, 2020.
24. Recent Advances in Biotechnology: Bio-economic Transformation and Achievement of Sustainable Development Goals. A Keynote Address Delivered at the First International Workshop/Symposium on Biotechnology held at the Precious Cornerstone University, Garden of Victory, Olaogun, Ibadan on 24th February 2020
25. Landmark University Approach to Forming Ties with Industries, Building International Academic Ties, and Outlook for Research and Innovation on the African Continent. An Interview with the Future of African Education Content Hub on Africalive.Net. May 16, 2020.
26. Research and Publication for Improved University Ranking. A Virtual Presentation at the Maiden Webinar of CRIC, Mountain Top University, Ibafo Ogun State, August 4, 2020.Agr

**xviii) Publications:**

**a Thesis**

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- i) **Olayanju, T.M.A.** (2002) [\*Design, Fabrication and Evaluation of a Beniseed \(Sesamum Indicum L.\) Oil Expeller.\*](#) An Unpublished PhD. Thesis at the Department of Agricultural Engineering, University of Ibadan, Nigeria
- ii) **Olayanju, T.M.A.** (1997) [\*Design, Fabrication and Evaluation of an Orange Juice Extractor.\*](#) An Unpublished M.Sc Dissertation at the Department of Agricultural Engineering, University of Ibadan, Nigeria
- iii) **Olayanju, T.M.A.** (1992) [\*Design and Development of a Groudnut Oil Expeller.\*](#) An Unpublished B.Sc Project at the Department of Agricultural Engineering, University of Ibadan, Nigeria

**b. Book Section**

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- i) **Olayanju, T.M.A.** (2016) [\*Man, Material and Machine: The Tricycle for Agricultural Mechanization.\*](#) In: FUNAAB INAUGURAL LECTURE SERIES. Professor Adeniyi OLÁYANJÚ, 51. Federal University of Agriculture, Abeokuta, pp156.
- ii) Adewumi, J. K. and **Olayanju, T.M.A.** and Adewuyi, S. A. (2007) [\*Support for Small Rice Threshers in Nigeria.\*](#) A DFID-PrOpCom Nigeria Monograph 56pp

iii) **Olayanju A.** (2018) [Landmark – Towards Attaining a Leading World – Class Status](#). An Edited Compendium of Landmark Faculty Executive Advance Presentations.

iv) **Olayanju A.** (2020) [Post Covid-19: Sensitization of African Students on Digital Transformation of Education in a New Normal](#) in Rethinking Education Beyond the New Normal in Nigeria. The African Young Brains (Great Leaders Great Nations Summit 2.0)

v) **Olayanju A.** (2021) [Driving a Robust Research Base for Global Relevance](#) An Edited Compendium of Landmark Faculty Executive Advance Presentations.

vi) **Olayanju A.** (2022) [Achieving the United Nations SDGs Through Research, Outreach and Stewardship](#) A Compendium of Professor Olayanju's United Nations – Sustainable Development Goals Initiative and Impact.

### **c. Journal Articles**

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1. Ismaila, O.S, Odunlami, S.A, Kuye, SI, **Olayanju, T.M.A.** Musa, A.I and Adekunle N.O (2022) [Anthropometric Seat Design for Bus Drivers in Southwestern Nigeria](#) Mindanao Journal of Science and Technology 20 (1)

2. Yakubu, A., Jegede, P. Wheto, M Shoyombo, J.A. Adebambo, A.O. Popoola, M.A. Osaiyuwu, H.A., Olafadehan, A.O, Alabi, O.O. Ukim, C.I. Vincent, S.T. Mundi, H.L. **Olayanju, A.** Adebambo O.A. (2022) [Multivariate characterisation of morpho-biometric traits of indigenous helmeted Guinea fowl \(\*Numida meleagris\*\) in Nigeria](#). PloS one 17 (6), e0261048

3. Adekiya, A. O. Aremu, C. **Olayanju, A.** Ejue, W.S. Olayiwola, I.E. Ndupuechi, D.I. Suleiman, O.K. Ajiboye B. (2022) [Response of quality, yield and growth of amaranth \(\*Amaranthus hybridus\*\) and soil chemical properties on application of organic and inorganic nutrients](#). Research on Crops 23 (1).

4. 3. Adekiya, A. O. Ayeni, J.F. **Olayanju, A.** Aremu, C. Akpor, O.B. Olaniran, A.F. Ejue, W.S. Ndupuechi, D.I. and Suleiman, O.K. (2022) [Potentials of soilless substrates from biochar and rice husk as a replacement for cocopeat in Nigeria on tomato \(\*Solanum lycopersicum\*\)](#). Research on Crops 23 (1).

5.. Adekiya, A.O Aremu, C. O. Agbede, T.M, **Olayanju, T.M.A.** Ejue, S. Adegbite, K. A. Olayiwola, I.E Ajiboye, B. O. and Oni, A.T. (2021) [Soil productivity improvement under different fallow types on Alfisol of a derived savanna ecology of Nigeria](#). Heliyon, 7. e06759. ISSN 2405-8440

6. Balogun, A. O. Adediran, A.A Akinwande A. **Olayanju, T.M.A.** (2021) [Application of Digital Logic Method in the Selection of Suitable Polymeric Materials for Ceiling Tiles Production.](#) IOP Conference Series: Materials Science and Engineering, 1107 (1). 012186. ISSN 1757-8981
7. Sobowale, S.S., Oluwole, O.B., Olatidoye, O.P. Eweje, O.A. **Olayanju, T.M.A.** and Adebo, O.A. (2021) [Design and construction of a mechanized charcoal-fueled corn roaster.](#) AgricEngInt, 22 (4). pp. 93-101.
8. Adediran, A.A, Akinwande, A. Balogun, A. O, Adesina, O. S. and **Olayanju, T.M.A.** (2021) [EXPERIMENTAL STUDY ON THE MECHANICAL BEHAVIOUR OF FIRED SAND-CLAY AND GLASS POWDER-CLAYBRICKS.](#) Acta Metallurgica Slovaca, 27 (1). pp. 4-10.
9. Adediran, A.A, Balogun, A. O., Akinwande, A., Mwema, F. M., Adesina, O. S. and **Olayanju, T.M.A.** (2021) [Effect of Surface Modification on the Properties of Polypropylene Matrix Reinforced with Coir Fibre and Yam Peel Particulate.](#) The Scientific World Journal. ISSN 8891563
10. Adewumi, A. D., Ojediran, J. O., Oladele, S.O, Olumuyiwa, M., Okonkwo, C. E. and **Olayanju, T.M.A.** (2021) [Energy Requisite and Drying Capacity of a Superheated Steam Dryer.](#) Materials Science and Engineering, 1107 (1). 012045. ISSN 1757-8981
11. Ojediran, J. O., Adewumi, A. D., Oladele, S.O, Moses, O. **Olayanju, T.M.A.** and Okonkwo, C.E. E. (2021) [Evaluating the Drying Characteristics of Paddy Rice Using Superheated Steam Dryer.](#) Materials Science and Engineering, 1107 (1). 012044. ISSN 1757-8981
12. Akaluzia, R.O., Edoziuno, F.O., Adediran, A.A, Odoni, B.U., Edibo, S., **Olayanju, T.M.A.** (2021) [Evaluation of the effect of reinforcement particle sizes on the impact and hardness properties of hardwood charcoal particulate-polyester resin composites.](#) Materials Today: Proceedings. pp. 1-8.
13. Mwema, F.M., Adediran, A.A, Akinlabi, E.T. Adeleke, A.A. and **Olayanju, T.M.A.** (2021) [Fractal characterization of conductive Ag/flexible 3D printed PLA.](#) IOP Conference Series: Materials Science and Engineering, 1107. 012050.
14. Mwema, F.M., Adediran, A.A, Akinlabi, E.T, Adeleke, A.A. and **Olayanju, T.M.A.** (2021) [Fractal characterization of conductive Ag/flexible 3D printed PLA.](#) IOP Conference Series: Materials Science and Engineering, 1107 (1). 012050. ISSN 1757-8981
15. **Olayanju, T.M.A.**, Okonkwo, C.E., Ojediran, J. O., Hussain, S.Z, Dottie, E.P. and Ayoola, A.S. (2021) [Interactive effects and modeling of some processing parameters on milling, cooking, and sensory properties for Nigerian rice using a one-step ricemilling machine.](#) Heliyon, 7. e067392. ISSN 2405-8440

16. Ojediran, J. O., Okonkwo, C.E., Olaniran, A.F, **Olayanju, T.M.A.**, Adewumi, A.D., Erinle O, Alhassan, E.A. and Idahosa, E.O (2021) [Mathematical modeling of the moisture ratio during drying of Yam \(\*Dioscorea rotundata\*\) in a hot air dryer.](#) IOP Conference Series: Materials Science and Engineering, 1107 (1). 012062. ISSN 1757-8981
17. Aboyeji, C.M, Dahunsi, S. O., Olaniyan, D.O, Dunsin, O, Adekiya, A.O and **Olayanju, T.M.A.** (2021) [Performance and quality attributes of okra \(\*Abelmoschus esculentus\* \(L.\) Moench\) fruits grown under soil applied Zn-fertilizer, green biomass and poultry manure.](#) Scientific Reports, 11 (1). ISSN 2045-2322
18. Aboyeji, C.M, Dahunsi, S. O., Olaniyan, D.O, Dunsin, O, Adekiya, A.O and **Olayanju, T.M.A.** (2021) [Performance and quality attributes of okra \(\*Abelmoschus esculentus\* \(L.\) Moench\) fruits grown under soil applied Zn-fertilizer, green biomass and poultry manure.](#) Scientific Report, 11. p. 8291.
19. Edoziuno, F.O., Adediran, A.A, Odoni, B.U., Utu, Ochuko G and **Olayanju, T.M.A.** (2021) [Physico-chemical and morphological evaluation of palm kernel shell particulate reinforced aluminium matrix composites.](#) Materials Today proceedings, 38 (2). pp. 652-657.
20. Akinwade, A. A., Adediran, A.A, Balogun, Ayokunle O., Abel, B.A., Daniel, T.P., Kazeem, R.A. and **Olayanju, T.M.A.** (2021) [Study of the Effects of Waste Glass Additives on the Properties and Compliance level of Fired Ceramic Masonry Bricks.](#) IOP Conference Series: Materials Science and Engineering, 1107. 012053.
21. Akinwade, A. A., Adediran, A.A, Balogun, Ayokunle O., Abel, B.A., Daniel, T.P., Kazeem, R.A. and **Olayanju, T.M.A.** (2021) [Study of the Effects of Waste Glass Additives on the Properties and Compliance level of Fired Ceramic Masonry Bricks.](#) IOP Conference Series: Materials Science and Engineering, 1107 (1). 012053. ISSN 1757-8981
22. Adekiya, A.O, Olaniran, A. F, Adenusi, T.T, Aremu, C. O., Ejue, W.S., Iranloye, Y.M, Gbadamosi, A. A. and **Olayanju, T.M.A.** (2020) [Effects of cow dung and wood biochars and green manure on soil fertility and tiger nut \(\*Cyperus esculentus\* L.\) performance on a savanna Alfisol.](#) Scientific Reports. pp. 1-10.
23. Ojediran, J. O., Okonkwo, C.E., **Olayanju, T.M.A.**, Hussain, S.Z, Olaniran, A. Adewumi, A.D. (2020) [Effect of polishing duration on physical, milling, cooking, and sensory properties of a novel mix-colored Nigerian parboiled rice.](#) Cereal Chemistry, 97 (6).
24. Komolafe, C.A, Waheed, M. A., Kuye, S.I., Adewumi, Babatunde A, Oluwaleye, I.O and **Olayanju, T.M.A.** (2020) [Sun drying of cocoa with firebrick thermal storage materials.](#) International Journal of Energy Research.



25. Idiegbeyan-ose, J, **Olayanju, T.M.A.**, Ndako, J.A., Adebisi, T. and Matiluko, O.E. (2020) [Establishment of Institutional Repository \(IR\) in a Developing Country: Lessons from Landmark University, Nigeria.](#) Library Philosophy and Practice (e-journal).
26. Adegbite, K. A., Adekiya, A.O, Adebisi, O. T. V., Alori, Elizabeth T., Ejue, W.S., **Olayanju, T.M.A.** and Aremu, C. O. (2020) [Baseline fertility status of a gravelly Alfisol in a derived savannah agro-ecological zone of Nigeria.](#) Open Agriculture, 5. pp. 573-581.
27. Oyewole, S. N., Gbabe, E. K., **Olayanju, T.M.A.**, Adebisi, A. O., Ogunbiyi, O. A., Abel, G. I., Ogundare, M., Odarabierin, I. G, Olayemi, F. F. and Okunola, Abiodun A. (2020) [Commercial utilization of inert atmosphere silo for maize storage.](#) Earth and Environmental Science, 445. 012046. ISSN 1755-1315
28. **Olayanju, T.M.A.**, Dairo, O. U., Sobukola, O. P., Odebiyi, O. and Dahunsi, S. O. (2020) [Development of small-scale downdraft gasifiers for biomass gasification.](#) Earth and Environmental Science, 445.
29. Adekiya, A.O, Ejue, W.S., **Olayanju, T.M.A.**, Dunsin, O, Aboyeji, C.M, Aremu, C. O., Adegbite, K. A. and Akinpelu, Olanike (2020) [Different organic manure sources and NPK fertilizer on soil chemical 3 properties, growth, yield and quality of okra.](#) bioRxiv.
30. Ojediran, J. O., Okonkwo, C.E., Adeyi, A., Adeyi, O., Olaniran, A. F, George, N and **Olayanju, T.M.A.** (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 (3). e03555. ISSN 24058440
31. Ojediran, J. O., Okonkwo, C.E., Adeyi, A., Adeyi, O., Olaniran, A., George, N and **Olayanju, T.M.A.** (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. ISSN 2405-8440
32. Adekiya, A.O, Agbede, T.M, **Olayanju, T.M.A.**, Ejue, W.S., Adekanye, T. A., Adenusi, T.T and Ayeni, J.F (2020) [Effect of Biochar on Soil Properties, Soil Loss, and Cocoyam Yield on a Tropical Sandy Loam Alfisol.](#) Hindawi The Scientific World Journal.
33. Adedeji, A. E., Olalusi, A. P. **Olayanju, T.M.A.** and Erinle, O.C (2020) [Effect of Drying Parameters on the Physical Properties of Extruded Fish Feed.](#) Earth and Environmental Science, 445. pp. 1-9.

34. Agbabiaka, O.G., Oladele, O.I., Akinwekomi, A. D., Adediran, A.A, Balogun, Ayokunle O., Olasunkanm, O.G. and **Olayanju, T.M.A.** (2020) [Effect of calcination temperature on hydroxyapatite developed from waste poultry eggshell.](#) Scientific African (8).
35. Atoyebi, O. D., Orogbade, B. O, **Olayanju, T.M.A.**, Okunola, A.A. and Oyetayo, A. J. (2020) [Effect of coir fibre and clayey soil on the strength of unglazed roofing tiles.](#) IOP Conf. Series: Earth and Environmental Science, 445. pp. 1-5.
36. Adekiya, A.O, Ogunboye, O.I, Ewulo, B.S and **Olayanju, T.M.A.** (2020) [Effects of Different Rates of Poultry Manure and Split Applications of Urea Fertilizer on Soil Chemical Properties, Growth, and Yield of Maize.](#) The Scientific World Journal. pp. 1-8.
37. Ogunboye, O.I, Adekiya, A.O, Ewulo, B.S and **Olayanju, T.M.A.** (2020) [Effects of Split Application of Urea Fertilizer on Soil Chemical Properties, Maize Performance and Profitability in Southwest Nigeria.](#) The Open Agriculture Journal, 14. pp. 36-42. ISSN 1874-3315/20
38. Onwuegbunam, D. O., Nayan, G Z, **Olayanju, T.M.A.**, and Onwuegbunam, N. E. (2020) [Effects of operating pressure, lateral length and irrigation period on the fuel consumption of a centrifugal pump in a pressurized drip irrigation system.](#) Earth and Environmental Science, 445.
39. Adebayo, R.F. Eluyela, F. D., Victor-Adisa, A., **Olayanju, T.M.A.**, Popoola, O.M, Rotdelmwa F., Olalekan, O., Asaleye, A.J and Dahunsi, S. O. (2020) [Electricity Supply and Business Performance in a Nigerian Private University.](#) International Journal of Energy Economics and Policy, 10 (3). pp. 497-503. ISSN 2146-4553
40. Imo, E. E., **Olayanju, T.M.A.**, Ibikunle, F. and Dahunsi, S. O. (2020) [Impact of small hydropower developments on rural transformation in Nigeria.](#) Earth and Environmental Science, 445.
41. Oladele, O.I, Makinde-Isola, B. A., Adediran, A.A, Oladejo, M. O., Owa, A. F. and **Olayanju, T.M.A.** (2020) [Mechanical and wear behaviour of pulverised poultry eggshell/sisal fiber hybrid reinforced epoxy composites.](#) Material Research Express, 7. pp. 1-12.
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