



Profile of ADEKUNLE Nurudeen Olatunde

Dr. Nurudeen Olatunde ADEKUNLE graduated from University of Ilorin, Kwara State, Nigeria in 1995 with Second class honours degree in Mechanical Engineering. He proceeded for his Master degree at University of Ibadan after a year of mandatory National Youth Service. He obtained Master's Science degree in Mechanical Engineering in 1999. He joined Comtek Nigeria Ltd., Ibadan. in 1996 where he worked for three years and rose to the position of Factory Manager. He later joined the Polytechnic Ibadan as Assistance Lecturer between 2000 and 2002. He got registered as professional engineer with Council for Regulation of Engineering in Nigeria (COREN) in 2009. He joined academic and research work in 2004 after gaining employment as Assistance Lecturer in the department of Mechanical Engineering of University of Agriculture, Abeokuta Nigeria. He was awarded Ph.D in Mechanical Engineering in October, 2014.

He was promoted to the post of Lecturer II in October 2009, Lecturer I in October 1, 2010 and Senior Lecturer in October 2018. His research interests include; Solid Mechanics, Design and Production, Composite Engineering, Energy Generation and Ergonomics.

He was department postgraduate research coordinator between 2014 and 2018, SWEP Coordinator for Mechanical Engineering between 2013 and 2018, SIWES Chairman for the College of Engineering between 2017 and 2020. He is the current Acting Head of Department, Mechanical Engineering, College of Engineering, Federal University of Agriculture, Abeokuta.

He has supervised over twenty (20) undergraduate students and ten (10) master degree students as at September, 2023.

.He has over thirty (30) publications in learned journals and conference proceedings, some of which are listed below.

Some Journal Articles in Corrosion, Materials and Industrial Engineering

(1) **Adekunle, N. O.**, Ismaila S. O., Kuye S. I., Adetunji R., Olamide O. O. & Tomori O. (2023): Design and Production of Asbestos Free Brake Pad Using Cashew Nutshell. *LAUTECH Journal of Engineering and Technology* 17 (1); 8-17, Published by Faculty of Technology, Ladoko Akintola University of Technology.

- (2). Ismaila, S.O., Odunlami, S.A., Kuye, S.I., Olayanju, T.M.A., Musa, A.I., **Adekunle, N.O.**, Adeaga O.A., Anyanwu, B.U. & Kwarteng A.A. (2022): Anthropometric Seat Design for Bus Drivers in Southwestern Nigeria. *Mindanao Journal of Science and Technology* 20 (1); 125-142, Published by Mindanao University, The Philippines. (*Scopus Indexed*)
- (3) Adetunji, O.R., Oyelowo, M.A., **Adekunle, N.O.**, Adeogun, A.I. & Okediran I. K. (2022): Corrosion tests of metal pipes in drinking water systems using electrochemical methods. *Ochrona przed Korozją* 65 (2); 43-49, Published by Wydawnictwo SIGMA-NOT, Poland. (*Scimago and Scopus Indexed*).
- (4) **Adekunle N. O.**, Aiyedun P. O., Olamide O. O., Oladejo K. A., Kuye S. I. and Giwa O. (2022). Development of Asbestos-Free Organic Brake Pad using African Star Apple (*Chrysophyllum albidum*) Seed Shell. *Adeleke University Journal of Engineering and Technology [AUJET]* 5(2); 87 – 97. Published by Materials Science and Technology Society of Nigeria.
- (5) **Adekunle N. O.**, Olamide O. O., Aiyedun P. O., Kuye S. I., and Oladejo K. A., (2022). Design and Production of Asbestos-Free Brake Pads using Wild Sorghum Grass (*Sorghum bicolor*). *Adeleke University Journal of Engineering and Technology [AUJET]* 5 (2); 98 – 107. Published by Faculty of Engineering, University of Bacau, Romania.
- (6) Kuye, S.I., Oyeniran, T.O., **Adekunle, N. O.**, Anyanwu, B.U. & Olamide, O.O. (2021): Potential of *Manihot Esculenta* (Cassava) Peels for Electricity and Heat Co-Generation in Nigeria. *Nigerian Journal of Materials Science and Engineering* 11(1); 14 – 19, Published by Materials Science and Technology Society of Nigeria.
- (7) Ismaila, S.O., Salami, Y.A., Kuye, S.I., Dairo, O.U. & **Adekunle. N.O.** (2020): Ergonomic Evaluation of Packaging Workers' Posture in a Food Manufacturing Company. *Journal of Engineering Studies and Research* 26(1); 31-40, Published by Faculty of Engineering, University of Bacau, Romania.
- (8) **Adekunle, N.O.**, Oladejo, K. A., Ismaila. S.O. & Alabi, A.O. (2020): Development of Quick Return Mechanism for Experimentation Using Solidworks. *Journal of Engineering Studies and Research* 26(3); 19-27, Published by Faculty of Engineering, University of Bacau, Romania.
- (9) Ismaila, S.O., Alabi, A., Adewumi, B.A., **Adekunle, N.O.**, Kuye, S. I. & Oriolowo, T. K. (2020): Ergonomic Risk Assessment of Maintenance Job in A Gas Power Station. *Sigurnost (Safety)* 62 (1); 47 – 60, Published by Institute of Safety Research and Development, Croatia. (*Scopus Indexed*).
- (10) Oladejo, K. A, **Adekunle, N. O.**, Adetan, D., Abu, R. & Oriolowo, K. T. (2020): Development and Application of A Computer Program for Four-Bar Linkage and Slider-Crank Mechanisms. *Journal of Engineering Studies and Research* 26(3); 28-38, Published by Faculty of Engineering, University of Bacau, Romania.

- (11) Odesola, I. F., **Adekunle N.O.** & Akinwonmi R.A. (2020): Performance Evaluation of a Photovoltaic Pumping System in FUNAAB Community. *International Journal of Engineering Research & Technology* 9(06), 444-449. Published by ESRSA Publication Pvt. Ltd, India.
- (12) Olayanju, T. M. A., Dahunsi, S. O., Okonkwo, C. E., Aremu, C., Omole D.O., **Adekunle N. O.**, Ola, I. A. & Asiru, W. B. (2019). Coefficient of Static Friction of Beniseed for Mild Steel, Plywood, Concrete and Glass Structural Surfaces. *International Journal of Mechanical Engineering and Technology* 10(2); 369-375, Published by IAEME Publications, India. (*Scopus Indexed*).
- (13) **Adekunle, N. O.**, Oladejo, K. A., Kuye, S. I. & Aikulola, A.D. (2019): Development of Asbestos-Free Brake Pads Using Bamboo Leaves. *Nigerian Journal of Environmental Sciences and Technology* 3(2); 342-251, Published by Faculty of Environmental Sciences, University of Benin.
- (14) Kuye, S. I., **Adekunle, N. O.**, Nwaokocha, C. N. & Giwa S.O. (2018): Analysis of The Motion Of a Pipe Conveying a Fluid with an Inviscid Flow. *LAUTECH Journal of Engineering and Technology* 12(2); 21-32, Published by Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Ogbomoso.
- (15) **Adekunle, N.O.**, Aiyedun, P.O., Kuye S.I. & Lawal I. O. (2018): Improvement on the Strength of 6063 Aluminum Alloy by Means of Warm Rolling Operation. *Nigerian Journal of Environmental Sciences and Technology* 2 (1); 11 – 18, Published by Faculty of Environmental Sciences, University of Benin.
- (16) **Adekunle, N. O.**, Aiyedun, P. O., Kuye, S. I. & Adetunji, R. O. (2018): Evaluation of the Corrosion Rate of Aluminum 6063 in Petrol, Kerosene and Water. *Nigerian Journal of Environmental Sciences and Technology* 2(1); 19 – 27, Published by Faculty of Environmental Sciences, University of Benin.
- (17) **Adekunle, N. O.**, Oladejo, K. A. & Momoh, O. J. (2018): Analysis of Heat Transfer through Fins. *Nigerian Research Journal of Engineering and Environmental Sciences* 3(1); 65-74, Published by Department of Chemical Engineering, University of Benin.
- (18) **Adekunle, N. O.**, Kuye, S. I., Ismaila, S. O., Oladejo, K. A. & Adebayo, H. (2018): Influence of Quenchants on Toughness and Hardness Properties of 6063 Alloys. *Nigerian Research Journal of Engineering and Environmental Sciences* 3(1); 258-267, Published by Faculty of Environmental Sciences, University of Benin.
- (19) Kuye, S. I., Abudu, A., Adetunji, O. R., **Adekunle, N. O.**, Adisa, A. F. & Adeyemi, H. O.(2018): Inhibitive Action of Water Extract of *Spondias Mombin* on Corrosion of Low Carbon Steel in 0.5M Sulphuric Acid. *FUOYE Journal of Engineering and Technology* 3(1): 42-47, Published by Federal University Oye-Ekiti, Available online at engineering.fuoye.edu.ng/journal.

- (20) Kuye, S. I., Amaechi, E., **Adekunle, N. O.**, Adetunji, O. R., Adisa, A. F. & Adeyemi, H. O. (2018): Evaluation of Inhibitive Performance of Acidic Extract of *Eichornia Crassipes* on Corrosion of Low Carbon Steel in 1M Sulphuric Acid Solution. *FUOYE Journal of Engineering and Technology* 3(1); 52-56, Published by Federal University Oye-Ekiti, Available online at engineering.fuoye.edu.ng/journal.
- (21) Olayanju, T.M.A.; Osueke, C.; Dahunsi, S.O.; Okonkwo, C.E.; **Adekunle, N.O.**; Olanrewaju, O.O.; Oludare, A (2018): Mechanical Behaviour of Moringa Oleifera Seeds under Compression Loading. *International Journal of Mechanical Engineering and Technology (IJMET)* 9(11); 848–859, Published by IAEME Publications, India. (*Scopus Indexed*).
- (22) Oladejo, K. A., Oriolowo, K. T., Abu, R., **Adekunle, N. O.** & Adetan, D. A. (2017): Analysis of the Influence of Cutting Tool Geometry on the Surface Texture of a Turned Carbon Steel. *Nigerian Research Journal of Engineering and Environmental Sciences* 2(2); 297-304, Published by Department of Chemical Engineering, University of Benin.
- (23) Oladejo, K. A., Samuel, A. O., Oriolowo, K. T., Adetan, D. A. & **Adekunle N.O.** (2017): An Automated Scotch Yoke Mechanism. *American Journal of Biomedical Science and Engineering* 3(1); 8-14, Published by American Association for Science and Technology.
- (24) Adetunji, O. R., Afolayan, A. A., **Adekunle, N. O.**, Adeosun, O. J. & Okediran, K. L (2016): Effect of tomato juice on electrochemical properties of brass, galvanized and stainless steel. *Advanced Engineering Forum* 15; 85-91.
- (25) Ismaila, S. O., Bolaji, B. O., Adetunji, O.R., **Adekunle, N. O.**, Yusuf, T. A. & Sanusi, H. O. (2013): On vehicular emissions of petrol and diesel engines. *Annals of Faculty Engineering Hunedoara – International Journal of Engineering* 11 (3); 177-180, Published by University Politehnika Timisoara, Romania.
- (26) Ismaila, S. O., Akanbi, O. G., **Adekunle, N. O.**, Adetunji, O. R. & Kuye, S. I. (2010): An Ergonomics Assessment of Passenger Seats in Buses in South Western Nigeria. *Sigurnost (Safety)* 52(4); 329-334, Published by Institute of Safety Research and Development, Croatia. (*Scopus Indexed*).
- (27) Olokode, O. S., Aiyedun, P. O., Kuye, S. I., **Adekunle, N. O.** & Lee, W.E. (2010): Evaluation of A Clay Mineral Deposit In Abeokuta, South-West Nigeria. *ASSET, Series B* 9(1); 132-136, Published by Federal University of Agriculture, Abeokuta. Available on line at <http://www.unaab.edu.ng/journal>.
- (28) Alamu, O. J., Adeleke, E. A., **Adekunle, N. O.** & Ismaila, S.O. (2009): Power and Torque characteristics of Diesel Engine Fuelled by Palm Kernel Biodiesel. *Leonardo Journal of Sciences* 14 (8); 66-73, Published by Academic Direct Publishing House.

(29) Alamu, O. J., Aiyedun, P. O. & **Adekunle, N. O.** (2009): Effect of Pass Reduction on Rolling Parameters using Reverse Sandwich Model Integrated into the Hot Rolling Bland and Ford's Theory" in *Advanced Materials Research* 62-64; 385-392. Published by Trans Tech Publications, Switzerland

(30) Ismaila, S. O., Akanbi, O. G., **Adekunle, N. O.** & Charles-Owaba, O. E.(2009): Current Trends of Vehicular Accidents. *Pacific Journal of Science and Technology* 10(2); 262-269. Published by University, USA.