

CURRICULUM VITAE

01. PERSONAL DATA

- i. Name: ANYANWU Benedict Uche
- ii. Date of Birth: 31st October, 1983
- iii. Age: 39
- iv. Place of Birth: Ibadan
- v. Sex: Male
- vi. Marital Status: Married
- vii. Nationality: Nigerian
- viii. Town and State of Origin: Asaba, Delta State
- ix. Contact Address: C/O Mechanical Engineering Department,
COLENG, FUNAAB, Abeokuta
- x. Phone Number: +2348035479477; +2347069374440
- xi. E-mail Address: anyanwubu@funaab.edu.ng
- xii. url: <https://unaab.edu.ng/staff/anyanwu-benedict-uche/> ;
sites.google.com/funaab.edu.ng/engr-ben-anyanwu/
www.linkedin.com/in/dr-ben-anyanwu-2a4a57130

02. EDUCATIONAL BACKGROUND

i. Educational Institutions Attended (With Dates)

- a. University of Ibadan, Ibadan, Oyo State, Nigeria. 2017- 2021
- b. University of Ibadan, Ibadan, Oyo State, Nigeria. 2014- 2016
- c. Nnamdi Azikiwe University, Awka, Anambra State, Nigeria. 2001-2006
- d. Osadenis High School, Asaba, Delta State, Nigeria. 1994-1999

ii. Academic Qualifications (With Dates)

- a. Ph.D. in Mechanical Engineering 2021
- b. M.Sc. in Mechanical Engineering 2016
- c. B.Eng. in Metallurgical & Materials Engineering 2006
- d. Senior Schools Certificate Examination (SSCE) 1999

iii. Professional Qualifications (With Dates)

- a. Member, International Association of Engineers (Reg. No: 127231). 2013
- b. Registered Engineer, Council for Regulation of Engineering in Nigeria (Reg. No: R.22807). 2012
- c. Corporate Member, Nigerian Society of Engineers (Reg. No: 26552). 2011
- d. Professional Member, Materials Science and Technology Society of Nigeria (Reg. No: P/1120). 2011

iv. Prizes, Honours and Awards.

- a. University of Ibadan Postgraduate College Award for Scholarly Article Publications from Ph.D. Thesis. 2021
- b. Nigerian Tertiary Education Trust Fund (TETFund) Ph.D. Field work / Bench-work Scholar at Tshwane University of Technology, Pretoria, South Africa. 2019 - 2020
- c. FUNAAB Award of Appreciation for outstanding contribution to the success of the 23rd, 24th and 25th Combined Convocation Ceremonies of the University. 2018
- d. German Alumni Association Secondary Schools Scholarship Award. 2007

03. WORK EXPERIENCE

I. Work Experience Within the University System

- a. Federal University of Agriculture, Abeokuta, Nigeria.

Position: Lecturer I, Mechanical Engineering Department. 1st October 2020 – To Date

Duties: Teaching, Research (Undergraduate / Postgraduate Supervisions) and Extension

- i. Courses Taught, Examined and Graded

Course Code / Title	Units
MCE 811 / Experimental Stress Analysis	3
MCE 505 / Tribology	3
MCE 318 / Metallurgy I	2
MCE 341 / Engineering Mathematics I	3
MCE 205/ Fluid Mechanics I	3
MCE 102 / Introduction to Mechanical Engineering	1

b. Federal University of Agriculture, Abeokuta, Nigeria.

Position: Lecturer II, Mechanical Engineering Dept. 29th Sept., 2017 –31st Dec. 2019

Duties: Teaching, Research (Undergraduate Supervisions) and Extension

i. Courses Taught, Examined and Graded,

Course Code / Title	Units
MCE 811 / Experimental Stress Analysis	3
MCE 505 / Tribology	3
MCE 524 / Production Management	3
MCE 532 / Engineering Materials and Economics	3
MCE 315 / Theory of Elasticity	3
MCE 318 / Metallurgy I	2
MCE 341 / Engineering Mathematics I	3
MCE 205/ Fluid Mechanics I	3
MCE 102 / Introduction to Mechanical Engineering	1

c. Federal University of Agriculture, Abeokuta, Nigeria.

Position: Laboratory Scientist I, Mechanical Engineering Department. October, 2014 –29th September, 2017.

Duties:

- i. Demonstrates Practicals in the following Undergraduate Courses: MCE 305 (Fluid Mechanics), MCE 309 (Strength of Materials), MCE 310 (Mechanical Measurement & Instrumentation), MCE 403 (Heat Transfer), MCE 407 (Refrigeration & Air-conditioning), MCE 409 (Internal Combustion Engines), MCE 506 (Fluid Machinery), MCE 515 (Corrosion and Wear).
- ii. Supervises Undergraduate Students on SIWES I activities.
- iii. Assist Undergraduate and Post-graduate Students on their projects.
- iv. Any other duties as assigned by the Head of Department

d. Federal University of Agriculture, Abeokuta, Nigeria

Position: Technologist II, Mechanical Engineering Department. July 2010- Sept. 2014

Duties:

- i. Demonstrates Practicals in the following Undergraduate Courses: MCE 305 (Fluid Mechanics), MCE 309 (Strength of Materials), MCE 310 (Mechanical Measurement &

Instrumentation), MCE 407 (Refrigeration & Air-conditioning), MCE 409 (Internal Combustion Engines), MCE 506 (Fluid Machinery), MCE 515 (Corrosion and Wear).

- ii. Supervises Undergraduate Students on SIWES I activities.
- iii. Assist Undergraduate and Post-graduate Students in their projects.
- iv. Any other duties assigned by the HOD.

II. Previous Work Experience Outside the University System

- a. Sykes EnergiProjekts Ltd, 18B Olorumbe Street, Wemabod Estate, Ikeja, Lagos.

Mobile: 01-7397054, 08034441774, 08026732467. March, 2008 – June, 2010

Position: Ag. Project Engineer

Duties:

- i. Ensures that Specific Construction Activities such as the erection and welding vertical steel tanks; fitting and welding of pipelines; Installation of pipe fittings (valves, elbows, flanges, etc.); Installation of fluid machineries (pumps); Galvanic cathodic protection of tanks and pipelines, are all done in accordance to design and specification.
- ii. Prepare comprehensive work schedules and projects milestone with respect to a given project.
- iii. Prepare Bill of Quantities and Proposals for new jobs.
- iv. Serves as link between construction workers (Welders, Pipe fitters, Carpenters etc) and the Management
- v. Ensure that a given or set of project duration is not exceeded and the project is commissioned at the appropriate time

- b. Abofem Construction Ltd., 60 Matthew Street, Ado-Ekiti. March, 2007- February, 2008.

Position: Asst. Site Supervisor (NYSC)

Duties:

- i. Ensure that Construction activities such as foundation pilling, steel concrete reinforcement, plumbing, HVAC installations etc., are done according to design and specifications;
- ii. Control and maintenance of project materials / equipment
- iii. Preparation of Bill of Quantities, Job Schedules and Proposals.

- c. Kaydee Industries Ltd, Km 11/12, Asaba-Benin Express Way, Asaba. July, 2004- January, 2005.
 Position: Asst. Quality Control Officer (Industrial Trainee, IT)
 Duties:
- i. Control and Maintenance of Product's Quality.
 - ii. Collates feedback from end users and report same to the management
 - iii. Preparation of Bill of Quantities and Job Schedules

04. SPECIAL ASSIGNMENTS / COMMUNITY SERVICE

Departmental Assignments

- i. Examination Officer 2018 – To date
- ii. Course Adviser to 300 Level Students 2020/2021 Session
- iii. Course Adviser to 300 Level Students 2019/2020 Session
- iv. Course Adviser to 300 Level Students 2018/2019 Session
- v. Course Adviser to 200 Level Students 2017/2018 Session
- vi. Course Adviser to 100 Level Students 2016/2017 Session
- vii. Currently supervising four (4) undergraduate students and one postgraduate student's research for the 2020/2021 academic session.
- viii. Supervised a total of four (4) undergraduate students' projects to completion in the 2019/2020 academic session
- ix. Supervised a total of four (4) undergraduate students' projects to completion in the 2018/2019 academic session
- x. Supervised a total of five (5) undergraduate students' projects to completion in the 2017/2018 academic session
- xi. Co-supervised a total of four (4) undergraduate students' projects to completion in the 2016/2017 academic session
- xii. Compiled Mechanical Engineering Departmental Handbook, Volume 1 in 2011
- xiii. Compiled the Self Study Report for Mechanical Engineering Department towards Council for the Regulation of Engineering in Nigeria (COREN) Accreditation Exercise in 2012 and 2017 respectively.

- xiv. Compiled the Self Study Report for Mechanical Engineering Department towards the National Universities Commission (NUC) Accreditation Exercise in 2014 and 2019 respectively.
- xv. Compiled Mechanical Engineering Departmental Handbook, Volume 2 in 2017
- xvi. Assisted in compiling the Bench Minimum Academic Standard (BMAS) for Mechatronics Engineering Department Programme, FUNAAB, in 2011.
- xvii. Anchored the Mechanical Engineering 2016/2017 PG-Students Orientation Programme held in the College on May, 2017.
- xviii. Compiled the Mechanical Engineering Departmental Laboratory Manual in 2017.
- xix. Anchored the Mechanical Engineering 2017/2018 PG-Students Orientation Programme held in the College on May, 2018.
- xx. Conducted the Departmental Result Verification exercise for fresh students in 2016/2017, 2017/2018 sessions.

College Assignments

- xxi. Acting COLENG Sports Secretary. 2021- To Date
- xxii. Member, COLENG Equipment Support Committee. 2nd October, 2019 - To Date
- xxiii. Member, College of Engineering Induction Committee. 2nd October, 2018 - To Date
- xxiv. Member, College of Engineering Conference Committee. 2nd October, 2018 - To Date
- xxv. Member, College of Engineering College Board. October, 2017 – To Date
- xxvi. Member, College Committee on Examination Results (COCER). Oct., 2017 – To Date
- xxvii. Compiled the College of Engineering Handbook in 2017.
- xxviii. Member, Committee for the planning and execution of the 2nd COLENG / NSE Graduate Membership Induction Ceremony for 2015/2016 Engineering Graduates in 2017.
- xxix. Member, Committee for the planning and execution of the 3rd and 4th COLENG / NSE Graduate Membership Induction Ceremony for 2015/2016 and 2016/2017 Engineering Graduates in 2018.
- xxx. Member, Committee for the planning and execution of the 5th COLENG / NSE Graduate Membership Induction Ceremony for 2017/2018 Engineering Graduates in 2019.
- xxxi. Member, Committee for the planning and execution of 6th COLENG / NSE Graduate Membership Induction Ceremony for 2018/2019 Engineering Graduates in 2021.
- xxxii. Member, Committee for the planning and execution of 7th COLENG / NSE Graduate Membership Induction Ceremony for 2019/2020 Engineering Graduates in 2022.

University Assignments

- xxxiii. Member, FUNAAB Ceremonials Committee (CERECOM) July 2016 - December, 2017
- xxxiv. Member, Committee for the planning and execution of the 23rd, 24th & 25th combined Convocation Ceremony in October, 2017.
- xxxv. Member, Committee for the planning and execution of the 2016/2017 Session Matriculation Ceremony for new intake
- xxxvi. Member, Committee for the planning and execution of the 53rd and 54th Inaugural Lectures in 2017

Community Service

- xxxvii. Chairman, Tenants in Blocks D1, E1 and F1, Road 3, Mats Estate, Gbonagun, Obatonko, Abeokuta. September, 2014 – October, 2019.
- xxxviii. Member, FUNAAB Staff Football Team. October 2012 – To Date
- xxxix. Member COLENG, FUNAAB, Football Team. October 2012 – To Date.
- xl. Represented COLENG in the Men's Table Tennis Championship in the FUNAAB Staff Unity Games. October, 2012.

05. TRAINING ATTENDED (With Dates)

- i. A 3-Day Collaborative Academic Resuscitation and Transformation (UI-CART) Project in Science and Technology: Capacity Building Workshop for early Career and Postgraduate Researchers in Science and Technology, held at the Faculty of Science, University of Ibadan, Oyo State, Nigeria from May 14 – 16, 2019.
- ii. A 5-Day Learning Technologies Workshop on the 21st Century Innovative Instructional Methods, Tools and Techniques organized by the African Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE), FUNAAB on 13th -17th August, 2018.
- iii. A 2-Day Step-down Capacity Building Workshop for Departmental SIWES Coordinators, FPY Coordinators and College Representatives on Enhancing Work Integrated Education in Nigeria: The Scenario we have, the future we want, organized by the Directorate of Students Industrial Work Experience Scheme (SIWESS), FUNAAB, on 17th-18th July, 2018.
- iv. A 5-Day Training on Data Analysis for Research using SPSS 23 organized by the Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) on 9th – 13th July, 2018.
- v. A 1- Day Capacity Building Workshop for Librarians and Researchers in the University on the use of Science-Direct and Mendeley Database, Organized by the Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE), FUNAAB, in conjunction

with the Nigerian Research and Education Network (NgREN) and Elsevier on Monday, 23rd April, 2018.

- vi. A step-down workshop on “Packaging R&D results and Inventions for the Market”
Organized by the Institute of Food Security, Environmental Resources & Agricultural Research (IFSERAR, FUNAAB) in collaboration with the Intellectual Property Technology Transfer Office (IPTTO), FUNAAB, Abeokuta, (2012)
- vii. A 3-Day Mandatory Continuing Professional Education Course for prospective Corporate Members, organized by the Nigerian Society of Engineers (NSE) Head Quarters, Ibadan. (September, 2011)
- viii. A 2-Day Refresher Course for Prospective Corporate Members organized by the Nigerian Society of Engineers (NSE) Abeokuta Branch. (September, 2011)

06. COMMENDATION / APPRECIATION

- i. Vice-Chancellor’s Commendation Letter for diligence and display of high sense of responsibility which led to the success of the 23rd, 24th and 25th combined convocation ceremony. 2017
- ii. Vice-Chancellor’s Appreciation Letter for providing support services to members of the committee on palliative measure on the Camp / FUNAAB Road. 2017
- iii. Dean, College of Engineering Appreciation Letter for support, sacrifice and invaluable contribution towards the success of the Induction / Oath taking ceremony of the 2015/2016 Engineering Graduates. 2017

07. MEMBERSHIP OF PROFESSIONAL BODIES (With Dates)

- i. Member, International Association of Engineers (Reg. No: 127231) 2013
- ii. Registered Engineer, Council for Regulation of Engineering in Nigeria (COREN) Reg. No: R.22807 2012.
- iii. Corporate Member, Nigerian Society of Engineers (Reg. No: 26552). 2011
- iv. Professional Member, Materials Society of Nigeria (Reg. No: P/1120). 2011

08. RESEARCH INTEREST AND COMPLETED PROJECTS

a. Research Interests

My research interests are in the area of mechanics of non-metallic and metallic materials. It focuses on enhancement or improvement of materials employed in construction / structural and automobile applications, ceramic and glass technology. Minor areas of interest are in cutting fluids formulations and machining, lubrication oils for friction and wear reduction in machine parts, briquette production etc.

b. Research Completed (with dates)

- i. Effects of Nanocellulose Reinforced Metal Matrix Composite Coatings on Corrosion Resistance and Thermo-mechanical properties of A36 Mild Steel (2021)
- ii. Corrosion Inhibition of 1082 Mild Steel with Lard oil in Alkaline Media (2021)
- iii. Corrosion Inhibition of 1082 Mild Steel with Tallow oil in Alkaline Media (2021)
- iv. Design and Fabrication of a low cost 1200°C Laboratory Electric Muffle Furnace (2019)
- v. Strength Characteristics of Cow bone ash-Kenaf Fiber-Palm kernel Shell Composite Brake Pad (2019)
- vi. Effect of Kenaf Core Fibers (*Hibiscus cannabinus*) as one of the Dispersing Phases in Brake Pad Composite Production (2019)
- vii. Development of metal matrix composite coatings by thermal spray on ASTM A36 mild steel for improved corrosion resistance performance (2018)
- viii. Effect of Kenaf Fibers on Low Density Fiber Board (Engineered wood) 2018
- ix. Design, Fabrication and Performance Evaluation of a Low-cost Maize Shelling Machine (2017)
- x. Production of briquette using different materials: sawdust, cassava and corn cob (2017)

b. Research in Progress

- i. Strength Characterization of Polymers Reinforced with Palm Kernel Shell, Coconut husk and Bone Ash
- ii. Corrosion Inhibition of 1082 Mild Steel with Lard oil in Acid Media
- iii. Corrosion Inhibition of 1082 Mild Steel with Mango seed / Cashew nut oil in Alkaline Media
- iv. Corrosion Inhibition of 1082 Mild Steel with Tallow oil in Acid Media

09. PUBLICATIONS

A. Articles Published in Learned Journals

- i. Olasunkanmi S. Ismaila, Samson A. Odunlami, Sidikat I. Kuye, Tajudeen M.A. Olayanju, Adekunle I. Musa, Nurudeen O. Adekunle, Oyetunde A. Adeaga, **Benedict .U. Anyanwu** and Augustine A. Kwarteng (2022). Anthropometric Seat Design for Bus Drivers in Southwestern Nigeria. *Mindanao Journal of Science and Technology*. 20 (1); 125-142. Published by the University of Science and Technology, Southern Philippines. E-ISSN: 2449-3686, P-ISSN: 2244-0410. <https://mjst.ustp.edu.ph/index.php/mjst>
- ii. **Anyanwu B.U**, O.O. Oluwole, O.S.I. Fayomi, A.O. Olorunnisola, A. P. I. Popoola, S.I. Kuye (2021). Processing and development of corrosion resistance surface-active thin film nanocellulose composite coatings for mild steel protection. *Protection of Metals and Physical Chemistry of Surfaces, Springer Nature*. Vol. 57, No. 6, pp. 1206–1213. DOI: 10.1134/S2070205121060034
- iii. **Anyanwu B.U**, O.O. Oluwole, O.S.I. Fayomi, A.O. Olorunnisola, A.P.I. Popoola, S.I. Kuye (2021). Synthesis, corrosion and structural characterization of kenaf nanocellulose on Zn-ZnO-xC_n electrolytic coatings of mild steel for advanced applications. *Case Studies in Chemical and Environmental Engineering*, 3: 1-5. Publication by Elsevier Ltd. <https://doi.org/10.1016/j.cscee.2020.100017>
- iv. Ojo Sunday Isaac Fayomi, Sode Adedamola Ayodeji, **Benedict Uche Anyanwu**, Mojisola Olubunmi Nkiko and Khadijah Tolulope Dauda (2021). Effect of Electrodeposition Mechanism and α -Si₃N₄/ZrBr₂ Doped Composite Particle on the Physicochemical and Structural Properties of Processed NiPZn Coatings on Mild Steel for Advance Application. *Key Engineering Materials* ISSN: 1662-9795, Vol. 900, pp 61-73. doi:10.4028/www.scientific.net/KEM.900.61
- v. O.S.I. Fayomi, A.A. Sode, **B.U. Anyanwu**, A.A. Ayoola, M.O. Nkiko, K.M. Oluwasegun, D.O. Alkhuele & D.E. Ighravwe (2021). Experimental studies and influence of process factor on zinc-nickel based coating on mild steel. *Advances in Materials and Processing Technologies*, Taylor and Francis. DOI: 10.1080/2374068X.2021.1896863

- vi. Kuye, Sidikat I.; Oyeniran, Timothy O.; Adekunle, Nurudeen O.; **Anyanwu, Benedict U.** and Olamide, Olalekan 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
- vii. Fayomi O.S.I, K.O. Babaremu, I.G. Akande, O. Agboola, **B.U. Anyanwu (2021)**. Potential of bio-wastes in the development of composites for manufacturing application. *Materials Today: Proceedings*, Elsevier. 38 (5). pp. 2353-2357. <https://doi.org/10.1016/j.matpr.2020.06.539>.
- viii. **B.U. Anyanwu**, D.A. Fadare, O.S.I. Fayomi, P.O. Aiyedun & O. Agboola (2020). “Exploring the Potential of Animal Fats and Vegetable Oils as Potential Metal Cutting Fluids”. International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN(P): 2249-6890; ISSN(E): 2249-8001, Vol. 10, Issue 3, pg. 1139-1146
- ix. **Anyanwu B.U**; Adebomi O. A; O.S. Fayomi; S. I Kuye; U.T. Igba and O.O. Oluwole (2019). Effects of kenaf core and bast fibers as dispersing phases on low density fiberboards (engineered wood). *Journal of Physics: Conf. Series*, IOP Publications. Vol. 1378, 022024. doi:10.1088/1742-6596/1378/2/022024.
- x. **Anyanwu B.U**; G.O. Olayinka; D.T. Ezeokeke; O.S. Fayomi; O.O. Oluwole (2019). Effect of Kenaf Core Fibre (*Hibiscus cannabinus*) as one of the Dispersing Phases in Brake Pad Composite Production. *Journal of Physics: Conf. Series*, IOP Publications. Vol. 1378, 042046. doi:10.1088/1742-6596/1378/4/042046
- xi. Igba U.T, J.O Akinyele, S.O Ehikhuenmen, S.O Oyebisi, P.O Omotainse and **B.U Anyanwu (2019)**. A comparative study on the strength characteristics of Grade 25 and Grade 30 rice husk ash blended cement concrete. *Materials Science and Engineering, Conf. Series*, IOP Publications. Vol. 640, 012042. doi:10.1088/1757-899X/640/1/012042
- xii. Salami .O. Ismaila, Olusegun .G. Akanbi, Sarah .O. Oderinu, **Benedict .U. Anyanwu**, Kamal .O. Alamu (2015). Design of Ergonomically Compliant Desks and Chairs for Primary Pupils in Ibadan, Nigeria. *Journal of Engineering Science and Technology*, 10 (1); 35-46. Published by

- xiii. Olokode O.S, P.O. Aiyedun, S.I. Kuye, **B.U. Anyanwu**, F.T. Owoeye, T.A. Adekoya, and J.N. Nwonah (2013). Optimization of the Quantity of Wood Ash Addition on Kaolinitic Clay Performance in Porcelain Stoneware Tiles. *The Pacific Journal of Science and Technology*, 14 (1): 48-56. Publication of Akamai University, USA. <http://www.akamaiuniversity.us/PJST.html>.
- xiv. Olokode O.S, T. A. Adekoya, S.I. Kuye and **B.U. Anyanwu** (2013). Comparison between Kaolin and Quartzitic Clay performance in the Effect of Wood Ash Addition on the Mechanical and other Properties of Porcelainised Stoneware Tiles. *Journal of Natural Sciences, Engineering and Technology, JNSET*, 12: 108-118. Publication by the Federal University of Agriculture Abeokuta.
- xv. Owoeye F.T, O.S. Olokode, P.O. Aiyedun, S.I. Kuye, **B.U. Anyanwu**, H.O. Balogun and J.N. Nwonah (2013). Evaluation of the Efficiency of Ceramic Membrane Pots in Treatment of Food Beverages. *The Pacific Journal of Science and Technology*, 14(1): 89-97. Publication of Akamai University, USA. <http://www.akamaiuniversity.us/PJST.html>.
- xvi. **Anyanwu B.U**, O.S. Olokode, P.O. Aiyedun, F.T. Owoeye and Y.T. Oyeleke (2012). Potentials of Ukwa Tree (*Sterculiasetigera*) as a source of Raw Material for Pulp and Paper Making. *The Pacific Journal of Science and Technology*, 13(1): 145-151. Publication of Akamai University, USA. <http://www.akamaiuniversity.us/PJST.htm>.
- xvii. Olokode O.S, Fakolujo S.O, Aiyedun P.O, Lee W.E, **Anyanwu B.U**, Owoeye F.T (2012). Assessment of Ajebo Abeokuta kaolin clay deposit for potential porcelain stoneware tiles. *Journal of Natural Sciences, Engineering and Technology, JNSET*, 10(2): 90-98. Publication by the Federal University of Agriculture Abeokuta.
- xviii. Owoeye F.T, O.S. Olokode, P.O. Aiyedun, H.O. Balogun and **B.U. Anyanwu** (2012). Preparation and Characterization of Ceramic Microfiltration Membrane for Water Treatment. *The Pacific Journal of Science and Technology*, 13(2): 28-38. Publication of Akamai University, USA. <http://www.akamaiuniversity.us/PJST.html>.

- xix. Aiyedun P.O, O.S. Olokode, S.O. Fakolujo and **B.U. Anyanwu** (2012). An Evaluation of Strength Characteristics of Osiele Clay. *The Pacific Journal of Science and Technology*, 13(1): 78-82. Publication of Akamai University, USA. <http://www.akamaiuniversity.us/PJST.html>.
- xx. Olokode O.S, Fakolujo S.O, Aiyedun P.O, Jaji Z.O, Owoeye F.T, **Anyanwu B.U** (2012). Experimental Study on the Morphology of Keratin based material for asbestos free brake pad. *Journal of Basic & Applied Sciences*, 8 (2) 302-308. Publication by *SET Publishing, Washington Crt, Brampton ON, Canada*. ISSN: 1814-8085 / E – ISSN: 1927-5129/12. <https://setpublisher.com/downloads/jbasv8n2a08/>
- xxi. F.T. Owoeye, O.S. Olokode, P.O. Aiyedun and **B.U. Anyanwu** (2012). “Comparative Analysis of Corrosion of Aluminium Plates in Different Concentrations of Lime Solution.” *The Pacific Journal of Science and Technology*, (Spring), 13(1): 105-111 <http://www.akamaiuniversity.us/PJST.htm>.
- xxii. Olokode, O.S., Aiyedun, P.O., Raheem, D.M., Owoeye F.T., **Anyanwu, B.U** (2012). “Production and Characterization of Clay-Cow Dung Insulating Fire Bricks”. *Global Advanced Research Journal of Engineering, Technology and Innovation* (ISSN: 2315-5124). Vol. 1 (7), pp. 162-167.
- xxiii. O.S. Fakolujo, O.S. Olokode, P.O. Aiyedun, Y.T. Oyeleke, **B.U. Anyanwu** and W.E. Lee (2012). “Studies on the Five (5) Selected Clays in Abeokuta, Nigeria.” *The Pacific Journal of Science and Technology*, (Spring), 13(1): 83-90 <http://www.akamaiuniversity.us/PJST.htm>.

B. Journals Already Accepted, but awaiting Publication.

- xxiv. **B. U. Anyanwu**, O. O. Oluwole, O. S. I. Fayomi, A. O. Olorunnisola, A. P. I. Popoola, S. I. Kuye, W. B. Wan Nik and K. M. Oluwasegun.
 Manuscript title: Assessing the impact of Zn-MgO-xCn Ternary Coatings on A36 Low Carbon Steels for Oil and Gas Pipeline Applications (Manuscript number 1166-21). Name of Journal: *Portugaliae Electrochimica Acta*. Date of Acceptance: 16th July, 2022.

- xxv. **B. U. Anyanwu**, O. O. Oluwole, O. S. I. Fayomi, A. O. Olorunnisola, S. I. Kuye, S.O. Owoeye and O.O. Olamide.

Manuscript title: Polarization Corrosion Effects of Nanocellulose Reinforced Zinc-Magnesium Oxide Coatings on A36 Steel in Acidic Media.

Name of Journal: International Journal of Basic Science and Technology, Publication of Faculty of Science, Federal University Otuoke, Bayelsa State, Nigeria. Date of Acceptance: August 30th, 2021.

C. Referred Conference Proceedings

- xxvi. **Benedict U. ANYANWU**, Oluleke O. OLUWOLE, Ojo S.I. FAYOMI, Abel O. OLORUNNISOLA, Sidikat I. KUYE, Samuel O. OWOEYE, Olalekan O. OLAMIDE (2021). Corrosion Study of Electrodeposited Zinc-Magnesium Oxide-Biopolymer Coatings on A36 Mild Steel in 1M HCl Media. *Proceedings of the College of Engineering 3rd International Conference on Engineering Innovations as a Catalyst for Rapid Economic Growth (COLENG)*, Federal University of Agriculture Abeokuta, pp. 555-563. O.U. Dairo (Eds).
- xxvii. Samuel Oluyemi OWOEYE, Folasade DURODOLA, Olaitan OLAONIPEKUN, **Benedict ANYANWU**, Adedayo AKINADE and Jethro ODEYEMI (2021). Development of A Fire Extinguishing Robot with SMS Alert Feature. *Proceedings of the College of Engineering 3rd International Conference on Engineering Innovations as a Catalyst for Rapid Economic Growth (COLENG)*, Federal University of Agriculture Abeokuta, pp. 198-205. O.U. Dairo (Eds).
- xxviii. **Anyanwu B.U**, D.A Fadare, S.I. Kuye, O.R. Adetunji and P.O. Aiyedun (2018). Formulation of Selected Animal Fats and Vegetable Oils as Potential Metal Cutting Fluids- Part 1: Preliminary Characterization. *Proceedings of the International Conference of Mechanical Engineering, Energy Technology and Management (IMEETMCon)*, University of Ibadan, pp. 78-86. O.O Ajide (Eds).
- xxix. **Anyanwu B.U**, Fadare D.A, Adeleke O.A, Olarinre B and Aiyedun P.O (2016). Formulation of Selected Animal Fats and Vegetable Oils as Potential Metal Cutting Fluids in Turning Operation- Part 2: Performance Evaluation. *Proceedings of the International Conference of Mechanical*

Engineering, Energy Technology and Management (IMEETMCon), University of Ibadan, pp. 54 – 69. O.E Simolowo (Eds).

- xxx. Adeleke O.A., Fadare D.A., **Anyanwu B.U** and Olarinre B (2016). Evaluation of Energy and Carbon Emission Footprints in Metal Turning Operation. *Proceedings of the International Conference of Mechanical Engineering, Energy Technology and Management (IMEETMCon)*, University of Ibadan, pp.607 – 618. O.E Simolowo (Eds).

10. CONFERENCES ATTENDED (With dates)

- i. A 3- Day International Conference on Engineering Innovations as a Catalyst for Rapid Economic Growth (COLENG), organized by the College of Engineering, Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. 24-26 May, 2021.
- ii. A 3- Day International Conference on Engineering for Sustainable World (ICESW-2020), organized by the Department of Mechanical Engineering Covenant University, Canaan Land, Ota, Nigeria, 10-14 August, 2020.
- iii. A 3- Day International Conference on Engineering for Sustainable World (ICESW-2019), organized by the Department of Mechanical Engineering Covenant University, Canaan Land, Ota, Nigeria, 3-8 July, 2018,
- iv. A 3- Day International Conference of Mechanical Engineering, Energy Technology and Management, Organized by the Department of Mechanical Engineering, University of Ibadan, Ibadan, Nigeria. September 7-9, 2018.
- v. A 3- Day International Conference of Mechanical Engineering, Energy Technology and Management, Organized by the Department of Mechanical Engineering, University of Ibadan, Ibadan, Nigeria. September 4-7, 2016.

11. EXTRA CURRICULAR ACTIVITIES

- i. Playing Football
- ii. Reading
- iii. Walking

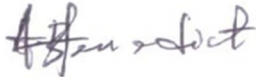
12. REFERENCES

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Date: 27th September, 2022.