CURRICULUM VITAE

01. PERSONAL

i.	Name in Full:	ANYANWU Benedict Uche
ii.	Sex:	Male
iii.	Marital Status:	Married
iv.	Nationality:	Nigerian
v.	Town and State of Origin:	Asaba, Delta State
vi.	Contact Address:	Department of Mechanical Engineering, College of Engineering, Federal University of Agriculture, Abeokuta.
vii.	Phone Number:	+2348035479477, +2347069374440
viii.	E-mail Address:	anyanwubu@funaab.edu.ng
ix.	Specialization/Rank	Materials and Corrosion Engineering / Senior Lecturer

02. Educational Institutions Attended / Academic Qualifications Obtained (with dates)

a.	University of Ibadan, Ibadan, Oyo State, Nigeria / Ph.D. Mechanical Engineering (Materials Technology Option)	2021
b.	University of Ibadan, Ibadan, Oyo State, Nigeria. M.Sc. Mechanical Engineering (Materials Technology Option)	2016
c.	Nnamdi Azikiwe University, Awka, Anambra State, Nigeria. B.Eng. Metallurgical & Materials Engineering	2006

03. Prizes, Honours, Scholarships, National and International Recognition

a.	Principal Investigator, Development of a low- cost modified 1400^{o}C retort furnace from locally sourced materials for laboratory use: Institutional Based Research (IBR) Grant, by Tertiary Education Trust Fund (TETFund).	March 2025 to February 2026
c.	Award of Honour as Head of Department, Mechanical Engineering, presented by Nigerian Institution of Mechanical Engineering Students Association (NiMECHSA), FUNAAB.	2025
d.	Co-Investigator, Design and development of a medic chair for the measurement of vital signs: Institutional Based Research (IBR) Grant, by Tertiary Education Trust Fund (TETFund).	November 2023 to October 2024
e.	Award of Honour as Patron, presented by the Nigerian Universities Engineering Students Association (NUESA), FUNAAB.	September 2023
f.	Co-Investigator, Design, construction and performance evaluation of a solar-powered, smart egg incubator with an artificial intelligent based candling system: Institutional Based Research (IBR) Grant, by Tertiary Education Trust Fund (TETFund).	January 2023 to December 2023
g	University of Ibadan Postgraduate College Award for Scholarly Article Publications.	2021
h	TETFund Scholar to the Dept. of Chemical, Metallurgical and Materials Engineering, Tshwane University of Technology, Pretoria, South Africa for PhD. Benchwork.	2019 – 2020

04. STUDENTS' SUPERVISED TO COMPLETION WITHIN THE PERIOD

Undergraduate	M.Eng.	Ph.D.
54	8	Nil

05. SPECIAL ASSIGNMENTS / COMMUNITY SERVICE

I	Acting Head, Department of Mechanical Engineering.	December 23, 2024 to date
Ii	Member, University Senate.	December 23, 2024 to date
Iii	Member, Postgraduate School Board.	December 23, 2024 to date
Iv	COLENG Representative in University Sports Committee.	June 2023 to date
V	External Examiner PG Program, Department of Chemical, Metallurgical and Materials Engineering, Faculty of Engineering and The Built Environment, Tshwane University of Technology, Pretoria, South Africa	October 2023 to Date
Vi	Peer Reviewer – Federal University of Technology (FUTA) Journal of Engineering and Engineering Technology.	April 2026 to date
Vii	Peer Reviewer – WSEAS Transactions on Information Science and Applications.	January 2025 to date
Viii	Peer Reviewer – Hybrid Advances, Elsevier Ltd.	December 2021 to date

06. NUMBER OF PUBLICATIONS: 51

07. SELECTED PUBLICATIONS

1. **B.U. Anyanwu**, L.O. Jayesimi, J.J. Mogaji, K.L. Olaitan, S.O. Owoeye and A.D. Anibaba (2026). Investigation of the Potential of Tallow Oil- Expired Ibuprofen Mixture as Corrosion Inhibitor for A53 Mild Steel in 1M Sodium Hydroxide Solution. ***Bells University Journal of Applied Sciences and Environment (BUJASE)***, 5 (1): 92 - 97**.** A publication by Bells University of Technology, Ota, Ogun State, Nigeria.
2. **B.U. Anyanwu,** L.O. Jayesimi, S.E. Apeh, K.L. Olaitan, O.O. Olamide, S.O. Owoeye, O.A. Adewumi, O.O. Oluboba and B.J. Okon (2026). The Potentials of Lard-Expired Ibuprofen Blends as Corrosion Inhibitor on A53 Mild Steel in 1M HCl. ***APWEN Journal of Engineering, Science and Technology,*** 9 (1): 24 - 32. Publication by the Association of Professional Women Engineers of Nigeria: A subsidiary of the Nigerian Society of Engineers.
3. **Benedict U. ANYANWU,** Lawrence O. JAYESIMI, Enemona O. SANNI (2026). Strength Characterization of Clay Deposits at College of Engineering, FUNAAB Abeokuta and Environs. *UNIABUJA Journal of Engineering and Technology*, 3(2): 200-207. ISSN: 2714-3236 (Online); 2714-3228 (Print). Publication by the University of Abuja, Nigeria.
4. Adewale, I.A., Leong, W.Y., Adetunji, O.R., Adekunle N.O., Aderinlewo A.A. and **Anyanwu, B.U** (2026). Design and production of a motorcycle crankshaft from scrapped cast iron and palm kernel shell. ***International Journal of Cast Metals Research,*** 39(3):73-82. DOI:10.1080/13640461.2026.2721706. A publication of Taylor and Francis, United Kingdom.

5. Adetunji, O.R., Leong, W.Y., Alayande, I.O., Oyelami, A.T., Adetunji-Popoola, W.O. & **Anyanwu, B.U** (2026). Evaluating the potentials of sunflower leaf and sorghum bicolor stem sheath extracts as corrosion inhibitors for medium carbon steel in 0.5 M HCl. ***Ochrona przed Korozja (Corrosion Protection),*** 69(2): 200-205. DOI: 10.15199/40.2026.6.4. ISSN 0473-7733, e-ISSN 2449-9501. A publication of SIGMA-NOT Publishing House of Technical Periodicals and Books Company Ltd., Poland.
6. **B.U. Anyanwu**, S.O. Owoeye, F.O. Durodola, O.O. Nuga and L.O. Jayesimi (2026). Evaluation of FUNAAB Clay Deposits Enhanced with Aluminium Phosphate Cement for Linings and Walls in Retort Furnace Development. ***Bells University Journal of Applied Sciences and Environment (BUJASE),*** 5(1): 1-11. ISSN: 2645-2375(Print); 2645-2383(Online). A publication by Bells University of Technology, Ota, Ogun State, Nigeria.
7. **B.U. Anyanwu,** S.O. Owoeye, O.O.Olamide, K.L. Olaitan, F.O. Durodola, O.R, Adetunji and A.D. Anibaba (2024). Examining Zinc Oxide-Cellulose Nanoparticle Coatings Corrosion Resistance on Mild Steel in Sodium Chloride Media. ***Journal of Natural Sciences, Engineering and Technology, JNSET,*** 23 (1): 1-15. Publication by the Federal University of Agriculture Abeokuta Nigeria.
8. **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 (2023). Assessing the impact of Zn-MgO-xCn Ternary Coatings on A36 Low Carbon Steels for Oil and Gas Pipeline Applications. ***Portugaliae Electrochimica Acta.*** 41:301–313. Publication by the Portuguese Electrochemical Society. Available online at https://doi.org/10.4152/pea.2023410404
9. **Anyanwu B.U**; Oluwole O.O; Fayomi O.S.I; Olorunnisola A.O; Kuye S.I; Owoeye S.O and Olamide O.O (2022). Polarization Corrosion Effects of Nanocellulose Reinforced Zinc-Magnesium Oxide Coatings on A36 Steel in Acidic Media. ***International Journal of Basic Science and Technology*** 8(3): 168-177. Publication of Faculty of Science, Federal University Otuoke, Bayelsa State, Nigeria.
10. **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,*** 57(6): 1206–1213. Publication by Springer Nature. DOI: 10.1134/S2070205121060034
11. **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

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