

Engr. Dr. Benjamin Anyaegbuna obtained his first degree in Mechanical Engineering from the University of Nigeria, Nsukka, in 1990. He holds a Master of Engineering (M.Eng) and Ph.D. degrees in Mechanical Engineering, with a focus in thermo-fluids, both from the University of Ilorin, Nigeria.

Benjamin is an engineer with broad cross-disciplinary interests and experience that cuts across engineering consultancy, construction, power plant engineering, project management, and energy. He has been involved in the successful managing and delivery of various complex, multiphase, and high-end engineering projects for the Central Bank of Nigeria (CBN), Elf Petroleum (Total Nigeria), and other clients in Nigeria. He is a certified project manager with the Project Management Professional (PMP) certification from the Project Management Institute, USA since 2014. He was part of the engineering consulting team for The Ark Legacy Project, Canaanland, Ota, a 100000-capacity auditorium project that upon completion will be the largest covered auditorium in the world.

He is a fellow of both the Nigerian Society of Engineers (NSE) and the Nigerian Institution of Mechanical Engineers (NIMechE); and a registered engineer with the Council for the Regulation of Engineering in Nigeria (COREN). He is active within the engineering community and has served in various capacities with the NSE, Ikeja Branch and NIMechE, Lagos Chapter. At the national level of the NSE and NIMechE, he has served as member, Certificate Verification Committee, and currently member, Professional Development Committee, NIMechE.

Selected Publications:

- **Anyaegbuna, B. E.,** Onokwai, A. O., Iweriolor, S., Igharvwe, D. E., Fayomi, S. O. (2024). Numerical Analysis on Mechanical Ventilation Impact on Indoor Air Quality in a Basement. *Scientific African*, (2024), doi:<https://doi.org/10.1016/j.sciaf.2024.e02310>.
- Olusanya, O. O., Onokwai, A. O, **Anyaegbuna, B. E.,** Iweriolor, S., Omoniyi, E. B. (2024). Modelling and optimization of operating parameters for improved steam energy production in the food and beverage industry in a developing country. *Frontiers Energy Research*, 12(2024). 1417031.doi: 10.3389/fenrg.2024.1417031.
- **Anyaegbuna, B. E.,** Olayemi, O., Adegun, I. K., Onokwai, O. A., Anyaegbuna, I. D. (2022). Development and performance evaluation of locally fabricated thermal conductivity apparatus. *FUOYE Journal of Engineering and Technology* 7 (Issue 3). 2022.

- Okunade, S., **Anyaeqbuna, B. E**, Fayomi, O. S. A., Onokwai, O. A. (2024). Short Overview of Energy Potential Trials and Triumphs of Institution. *IEEE Explore*. <https://doi.org/10.1109/SEB4SDG60871.2024.10629729>
- Olayokun, O. E., **Anyaeqbuna, B. E**, Onokwai, A. O., O. E., Faola, D. I., Muslim, I. O. (2024). Review of Biomass as a Renewable Energy for Sustainable Environment. *IEEE Explore*. <https://doi.org/10.1109/SEB4SDG60871.2024.10629775>
- Samuel, G. I., **Anyaeqbuna, B. E.**, Onokwai, A. O., Fayomi, O.S. (2024). A Review on Development and Synthesis of Carbon Rich Filler on Dross Alloy for Building Ceiling. *IEEE Explore*. <https://doi.org/10.1109/SEB4SDG60871.2024.10630092>
- Adetola, L. B., **Anyaeqbuna, B. E.** and Fayomi, O. S. I. (2024). "A Review of Surface-Active Coatings for Sprinkler Pipes in Building Services Application," 2024 International Conference on Science, Engineering and Business for Driving Sustainable Development Goals (SEB4SDG), Omu-Aran, Nigeria, 2024, pp. 1-6, doi: 10.1109/SEB4SDG60871.2024.10630170.