

CURRICULUM VITAE

1. Personal Information

Full Name: NKESHITA Fidelis Chukwumah

Nationality: Nigerian

Contact Address: Department of Civil Engineering, College of Engineering,
Federal University of Agriculture, Abeokuta, Nigeria

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Present Position: Senior Lecturer

2. Educational Background

i. Federal University of Agriculture, Abeokuta, Nigeria
Ph.D. Water Resources and Environmental Engineering (2025)

ii. University of Ibadan, Nigeria (2014–2016)
M.Sc. Civil Engineering (Public Health and Environmental Engineering)

iii. Ahmadu Bello University, Zaria (1998–2004)
B.Eng. Water Resources and Environmental Engineering

3. Awards and Recognitions

TETFUND Research Projects Intervention, Federal University of Agriculture, Abeokuta (2022, 2025).

4. University and Professional Experience

- i. Senior Lecturer, Federal University of Agriculture, Abeokuta (Oct. 2025–Date)
- ii. Lecturer I, Federal University of Agriculture, Abeokuta (Oct. 2021–Sept. 2025)
- iii. Lecturer II, Federal University of Agriculture, Abeokuta (Sept. 2018–Sept. 2021)
- iv. Laboratory Scientist, Federal University of Agriculture, Abeokuta (2010–2018)
- v. Field Engineer, Pacific Consultants Ltd., Uyo (2007–2010)

Major responsibilities: Teaching and research

5. Teaching and Supervision

Courses taught include Hydraulics, Hydrology, Civil Engineering Practice,
Advanced Surface Hydrology, Strength of Materials and Engineering Drawing.

Students supervised/co-supervised:

2022/2023: 6 undergraduate students

2023/2024: 8 undergraduate students

2024/2025: 7 undergraduate students

2025/2026: 10 undergraduate and 3 Ph.D. students

6. Research Areas

Water resources engineering, wastewater treatment systems, microbial fuel cells, environmental engineering, hydrological modelling, groundwater quality assessment, pollution control and sustainable environmental technologies.

7. Professional Memberships

Corporate Member, Nigerian Institution for Water Engineers (MNIWE)

Corporate Member, Nigerian Society of Engineers (No. 29409).

Registered Engineer, COREN (R.32843)

8. Selected Publications

1. Badejo, A.A., **Nkeshita, F.C.**, Olanipekun, A.J., Bada, B.S., David, A.O., Ndambuki, J.M. & Kupolati, W.K. (2025): *Evaluating the Performance of an Electrocoagulation Process Using Response Surface Methods for Textile Wastewater Treatment*. **Engineering and Technology Journal**, 43(9): 766–774. Published by University of Technology–Iraq, Baghdad, Iraq. DOI: <https://doi.org/10.30684/etj.2025.161784.1974>. Society-based Journal.
2. ***Nkeshita, F.C** & Adeniran, A.A (2025): A Mini-Review on Constructed Wetlands for Removing Emerging Contaminants: A Sustainable Solution for Developing Countries. **APWEN Journal of Engineering, Science and Technology**. 8(1):176-186. Published by Association of Professional Women Engineers, A Division of the Nigeria Society of Engineers. Society-based Journal.
3. ***Nkeshita, F.C.**, Adeniran, A.A., Sotayo, O.O. & Oyejide, S.A. (2025): The Influence of pH on Bioelectricity and Treatment of Locust Bean Wastewater in Microbial Fuel Cells. **APWEN Journal of Engineering, Science and Technology**. 8 (1); 102-108. Published by The Association of Professional Women Engineers, A Division of the Nigeria Society of Engineers. Society-based Journal.
4. *Igba, U.T., Oyebisi, S.O., Abiola, O.S., Odunfa, S.O., **Nkeshita, F.C.** and Olanrewaju, O.O. (2023): The Economic Benefit of using Waste Crushed Glass to Replace Sea Sand and RoadSide Sand in Concrete. **Nigerian Journal of Engineering Science and Technology Research**, 9 (1); 49-57. Published by the Modibbo Adama University of Technology Yola. Available online at http://www.njestr.com.ng/article.php?_open&_eid=NJE-739424. University-based Journal.
5. *Badejo, A. A., **Nkeshita, F. C.**, Adelasoye, O. J., & Adeyanju, O. P. (2022): Reduction of Colour from Indigo Dye-Rich Wastewater by Electro-Coagulation Using Iron (Fe) and Aluminum (Al) Electrodes. **Arid Zone Journal of Engineering, Technology & Environment (AZOJETE)**, 18(4); 659–668. Published by the Faculty of Engineering, University of Maiduguri, Maiduguri, Nigeria. Available online at: www.azojete.com.ng. Faculty-based Journal.
6. Adekunle, A. A., **Nkeshita, F. C.**, Owosho, S. S., & Igba, U. T. (2022): Modeling Indoor Formaldehyde Exposure in a University Hostel Building Using Artificial Neural Networks. **Journal of Civil Engineering**, 15(1); 13-22. Published by the Nigerian Institution of Civil Engineers (NICE). ISSN 2811-2806. Available online at: <https://nicenigerian.org/Adminpanel/PdfFills/pdffile17.pdf>. Society-based Journal.

7. ^f**Nkeshita, F.C., Adekunle, A., & Akinsanya, A. (2021):** Influence of Leachates on Geotechnical and Geochemical Properties of Termite Mound Soils. *Environmental Engineering – International Organization (EnvEng-IO)*, 8(1–2), Published by EnvEng-IO. Available online at <https://doi.org/10.37023/ee.8.1-2.4>
8. **Nkeshita, F.C., Adekunle, A.A., Owosho, S.S., Adewale, A.A. (2021):** Rainfall Forecasting for Odeda, South-Western Nigeria using a Seasonal ARIMA Time-Series Mode. *Journal of Engineering Research*, 27 (1): 1-10. . Published by the Faculty of Engineering, University of Lagos Akoka Yaba, Lagos. Available online at <http://jer.unilag.edu.ng/issue/view/222>. Faculty-based Journal.
9. ^f**Adekunle, A.A., Familusi, A.O., Amoo, B.A., Akinsanya, A.S., and Nkeshita, F.C. (2021):** Removal of Heavy Metals from Tie and Dye (Adire) Wastewater Using Low-Cost Adsorbents. *Tehnički Glasnik*, 15 (3): 443-447. Available online at <https://hrcak.srce.hr/file/381301>.
10. ^f**Nkeshita, F.C., Adekunle, A. A. and Adebayo, A. (2021):** Chemical Analysis of Water Sourced from Odo Ona River, Ibadan, South-western Nigeria. *Journal of Engineering Studies and Research*. 27 (2): 61-65. Published by the Engineering Faculty, University of Bacau, Romania. Available online at <https://pubs.ub.ro/?pg=revues&rev=jesr&num=202102&vol=27&aid=5302>.
11. **Nkeshita, F.C. Gbadewole, O., Adekunle, A.A. and Alayaki, F.M. (2021):** Heavy Metal Pollution and Ecological Risk Assessment of Sludge Deposits from Selected Wastewater Treatment Plants in Lagos, Nigeria. *Journal of Science Technology and Education*. 9 (2): 293-299. Published by Faculty of Technology Education, Abubakar Tafawa Balewa University Bauchi. Available online at <http://www.atbuftejoste.com/index.php/joste/article/view/1306>. Faculty-based Journal.
12. **Nkeshita, F.C., Adekunle, A.A. & Abegunrin, A. (2021):** Prediction of Indoor Total Volatile Organic Compound in a University Hostel Using a Neural Network Model. *Nigerian Journal of Technology*. 40 (2): 186-190. Published by Faculty of Engineering, University of Nigeria, Nsukka Available online at <https://www.nijotech.com/index.php/nijotech/article/view/2482>. Faculty-based Journal.
13. ^f**Nkeshita, F.C., Adekunle, A.A., Onaneye, R.B., Yusuf, O. (2020):** Removal of Pollutants From Abattoir Wastewater Using a Pilot-Scale Bamboo Constructed Wetland System. *Environmental Engineering-Inženjerstvo okoliša*, 7 (2): 70-74. Published by the Faculty of Geotechnical Engineering, University of Zagreb, Croatia. Available online at <https://hrcak.srce.hr/247262>.
14. **Badejo, A.A., Folorunsho, T.P., Nkeshita, F.C. & Nwosu, G. (2018):** Phytoremediation of Cadmium Using Water Hyacinth Planted in Surface Flow Constructed Wetland. *NIWE Water Journal*, 1 (1); 77-82. Published by the Nigerian Institution of Water Engineers (NIWE). Available online at: <http://www.niwe.org.ng>. Society-based Journal.
15. ^f**Adekunle, A.A., Badejo, A.A., Opafole, O.T., Bada, B.S. & Nkeshita, F.C. (2017):** Estimation of Water Requirements of Selected Field Crops in South-West and South-East Nigeria. *Journal of Agriculture and Sustainability*. 10 (2); 172–186, Published by Infinity Press. Available online at <http://infinitypress.info/index.php/jas/article/view/1578>