CURRICULUM VITAE

1 PERSONAL DATA:

Name:	**WAHEED** Mufutau Adekojo
Sex:	Male
Nationality:	Nigerian
Contact Address:	Mechanical Engineering Department Federal University of Agriculture, Abeokuta P. M. B. 2240, Abeokuta
Phone Number:	0806 120 2421
E-Mail Address:	waheedma@funaab.edu.ng; akindoye@gmail.com;
Area of Specialization:	Mechanical Engineering/Thermo-Fluids/Energy Studies
Research Focus:	o Renewable Energy • Wind Energy and Design of Wind Turbine; • Solar Energy/Drying Technology: Cooling, Heating, Drying Technique; • Bio-Fuels: Biodiesel, Bioethanol, Briquettes. • Fluid Dynamics, Heat and Mass Transfer
Present Post with Date:	Professor since 2008

2 EDUCATIONAL BACKGROUNDS AND ACADEMIC QUALIFICATIONS:

(i) Academic Qualifications (with Dates)*:*

(a) Dr. Eng. Sc. (Doctor of Engineering Science) in Mechanical Engineering, Aachen University of Technology (RWTH) Aachen Germany, July 2001.

(b) M. Eng. (Mechanical Engineering), the University of Ilorin, July 1995

(c) B. Eng. Second Class (Honours) Upper Division (Mechanical Engineering), the University of Ilorin, August 1990.

(ii) Prizes, Honour, National and International Recognition:

(a) German academic exchange service (Deutscher Akademischer Austauschdienst, DAAD) Scholarship for PhD in Mechanical Engineering at Aachen University of Technology (RWTH), Aachen, Germany October 1996 – July 2001

(b) Commonwealth Fellowship at the Department of Mechanical Engineering, University of Bath, United Kingdom, January – June, 2008

(c) World Bank Grant to Participate on the Workshop on Partnership for Skills in Applied Sciences, Engineering and Technology (PASET) Organised by Government of Senegal in Partnership with the World Bank held between June 9 and 12, 2014 at King Fahd Palace Hotel, Dakar, Senegal.

(d) Training on Internal Quality Assurance in West Africa (TrainIQAfrica), High Level Information Meeting, University of Duisburg-Essen, Duisburg, Germany, 3 – 7 November, 2014.

(e) EducationUSA Leadership Institute, StudyColorado (Exchange Visitor Program), Industry and Private Sector Linkages and Innovation - Energy Sector Partnerships, Denver, Colorado, , July 28 – August 8, 2015 and International Institute of Education, Washington, DC, August 9 – 12, 2015.

(f) Visiting Researchers Support Programme Grant by the University of South Africa, Pretoria, December 2021 – November, 2022

(g) Research Fellow, INTI International University, Malaysia, December 2023 – date.

(h) Professor Extraordinarius, Department of Mechanical, Bioresources and Biomedical Engineering, College of Science, Engineering and Technology, Florida Campus, University of South Africa, Pretoria.

3 PUBLICATIONS

(i)	Number of Books/Monographs	- 11
(ii)	Number of Published Journal Articles	– 158
(iii)	Number of Conference Proceedings/Posters	- 40
	Total Number of Publications	**- 209**

4 GRADUATE SUPERVISION TO COMPLETION

- Undergraduate – over **150**
- PGD **3**
- Masters - **27**
- PhD **40**
- PhD Thesis Assessed and Examined to Date Outside my Home University – **38**

5 Academic Leadership Activities

(i) Served as External Examiner to 14 Universities including 9 for Undergraduate Programme and 10 for Postgraduate Programmes

(ii) Served as Expert to More than 5 Universities on Appointment Interview

(iii) Served in Several NUC and COREN Accreditation Exercises

(iv) Served as an Assessor for Professorial Appointment for More than 22 Universities

(v) Reviewer of Journal Papers for more than 60 Journal Outlets including 55 High Impact Scopus Indexed International Journal Outlets

(vi) Guest Editor, Frontier in Energy Research

6 SOME SELECTED PUBLICATIONS

1) Samuel, O. D., **Waheed, M. A.,** Taheri-Garavand, A., Verma, T. N., Dairo, O. U Bolaji, B.O., Afzal, A. (2021). Prandtl number of optimum biodiesel from food industrial waste oil and diesel fuel blend for diesel engine, Fuel, 285: 119049. **URL: https://doi.org/10.1016/j.fuel.2020.119049**

2) **Waheed, M.A.,** Akogun, O. A. and Enweremadu (2022). An Overview of Torrefied Bioresource Briquettes: Quality Influencing Parameters, Enhancement through Torrefaction and Applications. Bioresources and Bioprocessing, 9:122. https://doi.org/10.1186/s40643-022-00608-1.

3) **Waheed**, **M. A.,** Akogun, O. A. and Enweremadu, C. C. (2023) Influence of Feedstock Mixtures on the Fuel Characteristics of Blended Cornhusk, Cassava Peels, and Sawdust Briquettes. Biomass Conversion and Biorefinery. https://doi.org/10.1007/s13399-023-04039-6.

4) **Waheed, M. A.,** Olamide, O. O., Adingwupu, A. C. and Enweremadu, C. C. (2024) Syngas production in a downdraft gasifier using food waste: a case study, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 46:1, 888-901, https://doi.org/10.1080/15567036.2023.2292240

5) Oyedepo, S. O., **Waheed, M. A.**, Abam, F. I., Dirisu, J. O., Samuel, O. D., Ajay, O. O., Somorin, T., Popoola, A. P. I., Kilanko, O., and Babalola, P. O. (2025). A Critical Review on Enhancement and Sustainability of Energy Systems: Thermo-economic and Thermo-environmental Analysis Perspectives Sources. Frontiers in Energy Research, 12:1417453. doi: 10.3389/fenrg.2024.1417453