



CURRICULUM VITAE



Prof. Adamu Umar Alhaji
Department of Mechanical Engineering
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Education

Year of Award	Degree Type	Institution
2001	Ph.D Industrial Engineering	University of Benin
1993	PGD in Management	BUK
1992	MEng Production Engineering	ATBU
1987	BEng Mechanical Engineering	ABU Zaria

Areas of Research Interest

Quality engineering and total quality management, Casting and foundry practice and materials, Energy conservation and reclamation, Design and construction of jigs and fixtures, Quality costing, Management of productivity, Stress concentration in engineering design, Safety Engineering, Automation of manufacturing system, Appropriate technology, Selection and Economics of Materials, Technology Policy and Development, Materials Engineering, Production and Industrial Engineering, Software Solutions to Engineering Problems.

Appointments

Date	Position	Employer
01/10/11	Professor	Bayero University Kano
01/10/05	Associate Professor	Bayero University Kano
01/10/00	Senior Lecturer	Bayero University Kano
01/10/97	Lecturer II	Bayero University Kano



01/10/94	Lecturer I	Bayero University Kano
01/10/92	Assistant Lecturer	Bayero University Kano
01/10/90	Graduate Assistant	Bayero University Kano

Professional Qualification (Membership/Affiliation)

1. Corporate Member, *Nigerian Society of Engineers* [MNSE], 1994. [6396]
2. Member, *Institute of Production Engineers*. [M.I Prod. E], 1995
3. Affiliate Member, *American Society of Mechanical Engineers*, [AM.ASME], 1991.
4. Registered Engineer [R 8066], *Council for the Regulation of Engineering in Nigeria*. [COREN R.8066] 1999.
5. Member, *Institute of Mechanical Engineers*. [M.I Mech. E], 2005

Publications

a. Journal Papers (15 most recent)

- 1 A.M. Adnan, A.A. Umar, and M. Makoyo (2016) □Design of Material Requirement Planning (MRP) for Kunun-Tsamiya Production in Dala Foods Nigeria Limited, Kano□*Proceedings of 2nd National Conference on Bridging the Gap Between Academia and Industry in Nigeria □ Refocusing the Engineering Discipline Organised by Faculty of Engineering Bayero University Kano. November.*
- 2 Umar,A.A, Garba, M.A and Ishaq, M.T (2014) The Influence of Hardening on the Mechanical Properties of 12mm Reinforcement Steel Rods Produced by Katsina Steel Rolling Mill. *Proceedings of 1st National Conference on Bridging the Gap Between Academia and Industry in Nigeria □ Refocusing the Engineering Discipline Organised by Faculty of Engineering Bayero University Kano. November.* Pp 498.
- 3 Garba, D.K, Alhaji A.U and Agboola, O.F (2014) □Development of High Impact Resisting Material Using Nigerian Steel 65 Mn Steel as a Base Material” *Global Journal Of Engineering, Design And Technology.*
- 4 Umar,A.A, Garba, M.A and Ishaq, M.T (2014) Study of the Effect of Tempering on the Mechanical Properties of 12mm Reinforcement Steel Rods Produced by Katsina Steel Rolling Mill. *Proceedings of National Conference on Bridging the Gap Between Academia and Industry in Nigeria □ Refocusing the Engineering Discipline Organised by Faculty of Engineering Bayero University Kano. November.* Pp 487.
- 5 Garba, D.K, Alhaji A.U and Agboola, O.F (2013) □Determination of Suitable Locally Produced Steel in Nigeria as a Base Material for the Production of High Impact Resisting Panel Material” *Global Journal of Engineering, Design and Technology.*



- 6 Abdullahi, I and Umar, A.A (2013) "Cost Appraisal of Groundnut Shell-Plastic Composite Roofing Sheet" *Proceedings of International Conference on Advances and Development in Engineering and Technology, Organized by Malwa Institute of Technology, Indore and Institute for Research and Development, Bhubaneswar, India.*
- 7 Yahaya, B and Umar, A.A (2011) "Development and Evaluation of a Back-up Stove for Kilishi Solar Dryer" *Journal of Engineering and Technology. March, Vol 6 No 1*
- 8 Yahaya, B and Umar, A.A (2011) "Development and Performance Evaluation of Kilishi Solar Dryer" *Journal of Engineering and Technology. March, Vol 6 No 1*
- 9 Abdullahi, I. and Umar, A.A [2011] "Modelling and Simulation of Groundnut Shell Plastic Composite Roofing Sheet for Wind and Traffic Loads" *Proceedings of International Conference on Innovations in Engineering and Technology. Organised by University of Lagos, Nigeria. August. Pp 484 to 495*
- 10 Umar, A.A and Saleh, M.H [2011] "Development of Software for Plumbing Systems Design in Buildings" . *Journal of Nigerian Institution of Mechanical Engineers. Vol. 2 No.2 pp 1-18*
- 11 Suleiman, B. and Umar, A.A [2010] "Extraction and Characterisation of Senna-Tora (Tafasa) Seed Oil for Engineering Applications" *Journal of Engineering and Technology. August, Vol 5 No 2 pp95-103*
- 12 Abdullahi, I. and Umar, A.A [2011] "Potentials of Unsaturated Polyester-Groundnut Shell Composite as Material in Building Industry" *Journal of Engineering and Technology. August, Vol 5 No 2 pp 78-84*
- 13 Umar, A.A and Ahmad, H.I [2010] "Proposal Writing and Methodology in Engineering Research: An Introduction" *Research Proposal Writing and Methodology in Engineering. Pp 1 to 13. ISBN 978-8203-36-0 pp 1-13*
- 14 Temitayo, I.A and Alhaji A.U [2010] "Characterisation of Wear Debris in Failed Bearings Grease of Heavy Duty Trucks". *Journal of Engineering and Technology. February, Vol 5 No 1 pp 110-115*
- 15 Amadu, O. and Umar, A.A [2007] "Design and Development of a Towable Gravity Evacuation Toilet Bowser for Light Aircrafts. *Continental Journal of Engineering Science. July, Vol 2 No 1 pp 36-48*

b. Conference Proceedings (15 most recent)

- 1 Umar, A. A [2017] "Industrial Safety and First Aid" *A Paper Presentation at Nigerian Society of Engineers Kano MPCE.*



- 2 Umar, A. A [2017] □Industrial safety and first aid [the occupational safety and health hazard perspective]” *A Paper Presentation at Nigerian Society of Engineers Kabuga Branch Technical Session.*
- 3 Umar, A. A [2007] □Developing Maintenance Culture among Technical Staff” *Technical Equipment Maintenance Culture, a Guide for Works Personnel in Local Governments. Pp 27 To 37.*
- 4 Umar, A. A [2007] □Planning Control and Co-Ordination in Local Government Projects” *Technical Equipment Maintenance Culture, a Guide for Works Personnel in Local Governments. Pp 52 To 62.*
- 5 Umar, A. A [1999] □Employing Productivity Measurement Techniques in Public Works and Infrastructure” . *Proceedings of the Workshop on the Effective Planning and Supervision and Management of Public Works.*

c. Books and Book Chapters

- 1 Introduction to Industrial Engineering. By *Adamu Alhaji Umar*
- 2 Introduction to Manufacturing Processes By *Adamu Alhaji Umar And Ibrahim Abdullahi*

Awards/Recognition

1. *Chairman’s Award for Services Rendered to Institution of Mechanical Engineers NIMechE, Kano Branch, 2014.*
2. *Chairman’s Award for Services Rendered to Nigerian Society of Engineers, Kano Branch, 2006.*
3. *Federal Government Postgraduate Scholar Award, 1991.*
4. *African Fellowship Award of the American University in Cairo, 1991.*
5. *Industrial Gases Prize for the Best Paper Presentation, Department of Mechanical Engineering, A B U, Zaria, 1987.*
6. *Lever Brothers Prize for the Best Investigation Project, Department of Mechanical Engineering, A B U, Zaria, 1987.*