

UZOEJINWA, BENJAMIN BERNARD

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PERSONAL DATA

Sex	Male
Local Government Area	Bende
State of Origin	Abia state
Marital Status	Single
Nationality	Nigerian
Language	English/Nigerian language
Date of Birth	28-12-1980

BIOGRAPHY

Uzoejinwa Benjamin Bernard is a lecturer in the Department of Agricultural and Bioresources Engineering, University of Nigeria, Nsukka. He had his Master's Degree in Power Systems and Machinery Engineering at the University of Nigeria, Nsukka. He also received a Bachelor of engineering in the same citadel of higher learning, with a first class honours, in Agricultural and Bio-resources engineering in 2008. He is currently a PhD student of Power engineering and engineering thermo-physics at the school of energy and power engineering, Jiangsu University, China. He is also a professional member of NIAE, NSE, RAESON and ISTRO-Nigeria.

CAREER OBJECTIVE

To develop technical, research and leadership skills and apply them to nation and institutional building

QUALIFICATION (Language of Instruction is English in all the degrees)

Jiangsu University, China PhD in view (Power engineering and engineering thermo-physics)	2016-2019
University of Nigeria, Nsukka, Nigeria Master of Engineering in Agricultural and Bioresources Engineering (Power Systems and Machinery Engineering, GPA: 4.88/5.00)	2013
B.Eng (Hons) Agricultural and Bioresources Engineering First Class Honours, University of Nigeria, Nsukka	2008

RESEARCH INTEREST

Power systems and machinery engineering, Biosystems engineering, Fuel cell systems and fuel cell technology, Biofuels, Bioenergy, Waste-to-energy technology, Renewable energy and environmental engineering, Food engineering.

AWARDS

- Jiangsu University Presidential Scholarship - 2016
- Dr. D. K. Olukoya's Award for Academic Excellence, - 2012
- National Youth Service Corps' Award for Excellent Performance, - 2010
- Certificate of Merit for the Best Final Year Student in the Department of Agricultural and Bioresources Engineering, University of Nigeria, - 2008
- University of Nigeria Certificate of Merit for First Class Honours Students, - 2008

ACADEMIC AND COMMUNITY SERVICES

- Member, Departmental examination results computation committee, University of Nigeria, Nsukka - 2013 to date
- Secretary, Community Development Union, Nkpa, Bende LGA - 2010 to date

WORK EXPERIENCE

1. **Current employer:** University of Nigeria, Nsukka.
(Department of Agricultural and Bioresources Engineering)

Position: Lecturer II

Duration: October 2010 to Date

Job Responsibilities:

To impart knowledge and relevant skills on students

To carry out quality research and community development services

To foster national and international development through quality research

To supervise and properly guide students during their degree projects

Projects executed, supervised or participated:

- Investigation of the potentials of poultry and piggery wastes for electricity using MFCs of different configurations, completed August, 2016
- Determination of potentials of wild cocoyam, melon shell and sawdust for bioethanol production using *S. cerevisiae*, completed August, 2016
- Development and testing of a capacitive digital wood moisture meter, completed August, 2016
- Development and testing of a double-chambered MFC for electricity generation, completed November, 2015
- Development and testing of a small scale batch reactor system for bioethanol production, completed August, 2015.
- Development and performance evaluation of a solar dryer for a bush mango (*Irvingia Gabonensis*) in Nsukka rural communities; completed, June, 2015.
- Design, construction and performance evaluation of solar-powered automatic irrigation system”, completed March, 2014.

- Extraction and characterization of Oil from African Pear Seed (*Dacryodes edulis*)”, completed May, 2013.
- Design, construction and performance evaluation of a biodiesel production plant, completed 2012.
- Determination of Physio-Chemical Properties of Oleander Seed Oil for Biodiesel Production, completed 2011
- Design, construction and performance evaluation of a biodiesel production plant, completed 2011.
- Development and Comparative Testing of a Proctor Type Cone Penetrometer, completed 2011.

2. Previous employer: Federal Government of Nigeria, National Youth Service Corps Programme (During this programme, I was posted to Government Secondary School, Katanga, Warji, Bauchi State for a National service assignment)

Position: Mathematics and Elementary Science Tutor

Duration: March 2009 to March 2010

Reason for leaving: End of the National service assignment

Job Description:

- Science teaching in high school (Mathematics, chemistry and physics)
- Organisation of career guidance and counselling workshops for high school students
- Organisation of education enlightenment programs and campaigns against HIV/AIDS.
- Millennium Development Goals’ Awareness Creation

Achievements:

- Led a team that successfully represented the school in a Mathematics Competition held at the state capital at that time
- Introduced creative and innovative Science and Mathematics clubs

PERSONAL SKILLS:

- Proficient with Microsoft word, Microsoft Excel, Microsoft PowerPoint
- Proficient with Genstat, SPSS, AutoCAD, Solid works, Labview and Matlab
- Good leadership and management skills
- Result-oriented and target-driven
- Good communication, logical and analytical skills
- Problem solving skill, team spirit and excellent teaching charisma

PROFESSIONAL MEMBERSHIP AND ACTIVITIES

- Member, Nigerian Society of Engineers, NSE, - 2013 to date
 - Member, Nigerian Institution of Agricultural Engineers, NIAE - 2011to date
 - Member, Renewable and Alternative Energy Society of Nigeria, RAESON - 2011
 - Member, International Soil Tillage Research Organization, ISTRO – 2011 to date
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PUBLICATIONS

- **B. B. Uzoejinwa**, A.O. Ani, U.C. Abada, A.O. Ezeama, J.E. Aleke (2016) Investigation of the potentials of poultry and piggery wastes for electricity generation using two configurations of microbial fuel cells. **International Journal of Scientific and Engineering Research (IJSER)**, Volume 7, Issue 8, August 2016, ISSN 2229-5518.
- **B. B. Uzoejinwa**, A. O Ani, U.C. Abada, B. O. Ugwuishiwu, C.J. Ohagwu , J. N. Nwakaire (2016) Small-scale food processing enterprises: measures for national development and addressing food security challenges in Nigeria. International journal of scientific and technical research in engineering (IJSTRE) www.ijstre.com Volume 1 Issue 5, August 2016, pp 72 -82.
- O. A. Ani, **B. B. Uzoejinwa** and N. F. Anochili. Design, Construction and Evaluation of a Vertical Plate Maize Seed Planter for Gardens and Small Holder Farmers. *Nig. J. of Technology*, Vol. 35(3), (2016): 647- 655.
- Eze, L. K and **Uzoejinwa, B.B.** (2015). Development and testing of a double-chambered microbial fuel cell for electricity generation. Unpublished B.Eng report, Department of Agricultural and Bioresources Engineering, University of Nigeria.
- A. O. Ani, **B. B. Uzoejinwa**, K. Idika , P. Nwosibe (2014). Food Losses in Nigeria: Present Status and the Way Forward. Proceedings of the Nigerian Institution of Agricultural Engineers (NIAE), held at Federal University of Technology Akure, October, 2014.
- A. O. Ani, **B. B. Uzoejinwa**, A. O. Ezeama, S. N. Ugwu, C. J. Ohagwu and E. U. Odigboh (2014). Soil Bin Facility for Soil-machine Interaction Studies. Proceedings of the International Soil Tillage Research Organization (ISTRO), Nigeria Chapter, held at Federal University of Technology Akure, 3-6 November, 2014.
- **Uzoejinwa, B.B.**, Ugwuishiwu, B.O, Ohagwu, C. J., Nwakaire, J.N., Ani, A.O., Ugwu, S.N. (2013). Small-Scale Food Processing Enterprises: A catalyst for National Development in Food Processing Industries in Nigeria. Proceedings of Nigerian Society of Engineers (NSE), Abuja, October, 2013.
- Nwakaire, J. N., Obi, O. F., **Uzoejinwa, B. B.**, Durugo, S. L. and Nwagugu, N.I (2011). Determination of Physio-Chemical Properties of Oleander Seed Oil for Biodiesel Production. Proceedings of the 11th International Conference and 32nd Annual General Meeting of the Nigerian Institution of Agricultural Engineers, Ilorin, Nigeria. Volume 32: 666 – 669.
- Nwakaire, J. N., Ugwuishiwu, B. O., **Uzoejinwa, B. B.**, Obi, O. F. and Nwagugu, N. I. (2011). Design Considerations of a Continuous Biodiesel Plant. Proceedings of the 11th International Conference and 32nd Annual General Meeting of the Nigerian Institution of Agricultural Engineers, Ilorin, Nigeria. Volume 32: 1003 – 1014.
- Nwakaire J.N, Ezeoha S.L, Ugwuishiwu B.O, Obi, O. F., Jeremiah, I.M and **Uzoejinwa, B. B.**, (2011). Design and Testing of an Improved Modified Fitch Apparatus. Proceedings of the 11th International Conference and 32nd Annual General Meeting of the Nigerian Institution of Agricultural Engineers, Ilorin, Nigeria. NIAE/2011/FPMP/114/117.
- Ozoemena A.O., Eneje J., **Uzoejinwa, B. B.** (2011). Development and Comparative Testing of a Proctor Type Cone Penetrometer. Proceedings of the International Soil

Tillage Research Organization (ISTRO), Nigeria Chapter, held at Ilorin, Nigeria, 2011. Pp 100 – 115.

- Ozoemena A.O., F.O.Okwudiuche, C.C. Anyadike a, N. Onuoha, **Uzoejinwa, B. B.** (2011). Applying the Concepts of Precision Agricultural to Tillage. Proceedings of the International Soil Tillage Research Organization (ISTRO), Nigeria Chapter, held at Ilorin, Nigeria, 2011. Pp 171 – 187.

HOBBIES

Research, reading and listening to leadership and national development talks

REFEREES

PROFESSOR W. I. OKONWO

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