

CURRICULUM VITAE

I. Personal Information

- (a) **Name:** Babatunde Olayinka **OYEFESO**
(b) **Date of Birth:** 18 January, 1982
(c) **Department:** Agricultural and Environmental Engineering
(d) **Telephone Number:** +234802-595-0339
(e) **E-mail Address:** bo.oyefeso@ui.edu.ng

- II. (a) **First Academic Appointment:** Lecturer II
(b) **Present Appointment (with date):** Lecturer II, 18 May, 2018.
(c) **Date Last Put Up for Promotion:** Not Applicable

III **University Education (with dates):**

- (a) University of Ibadan, Ibadan, Nigeria. 2002 - 2007
(b) University of Ibadan, Ibadan, Nigeria. 2008 - 2010
(c) University of Ibadan, Ibadan, Nigeria. 2011 - 2016

IV **Academic Qualifications (with dates and granting bodies):**

- (a) B.Sc., (First Class Hons.) Agricultural and Environmental Engineering 2007
(b) M.Sc., Agricultural and Environmental Engineering 2010
(c) Ph.D., Agricultural and Environmental Engineering 2016

V **Professional Qualification and Diploma (with dates)**

- Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN), Agric. Engrg. R.35,346 2016

VI **Scholarships, Fellowships and Prizes (with date)**

- (a) Dean's Honours List, Faculty of Technology, University of Ibadan, Ibadan. 2003 – 2007
(b) Best Graduating Student, Agricultural and Environmental Engineering, University of Ibadan, Ibadan, Nigeria. 2007
(c) 1st Runner up, Graduate Engineer of the Year Competition, Nigerian Society of Engineers (NSE), Ibadan branch. 2007
(d) Among the Best Six, 'NIM-NYSC Proficiency in Management' 2008

VII **Honours, Distinction and Membership of Learned Societies**

- (a) Member, American Society of Agricultural and Biological Engineers (ASABE). Membership No.: 1028527 2006
(b) Member, Nigerian Institution of Agricultural Engineers (M 1924) 2015
(c) **Registered Engineer**, Council for the Regulation of Engineering in Nigeria (COREN). Agricultural Engineering R.35346 2016

VIII Work Experience

Oyo State College of Agriculture and Technology Apr. 2015 – May 2018
Department of Agricultural and Bio-Environmental Engineering
(Post-Harvest Technology Option), Faculty of Engineering and Technology,
P.M.B. 10, Igboora, Oyo State, Nigeria.
Lecturer II (CONPCASS 9, Step 2)

Courses Taught:

- Engineering Mathematics I (ABE 105);
- Engineering Mathematics II (ABE 106);
- Construction and maintenance of processing and storage facilities (ABE 108);
- Post-Harvest technologies and storage (ABE 210);
- Primary Processing methods and equipment (PHT 304);
- Crop Handling and Storage (PHT 401);
- Quality Control and Loss Assessment (PHT 405);
- Processing and Handling Machinery (AEP 403);
- Crop Drying and Storage (AEP 408)
- Research Methods (AET 410).

Animal Care Services Konsult Nig. Ltd. Apr. 2011–Mar. 2015
Ogere-Remo, Ogun state, Nigeria.

Head, Agro Equipment Unit Jan.2013–Mar. 2015

Pen Design and Construction
Poultry Cage Installation and Maintenance
Marketing of Poultry Equipment

Project Monitoring and Management Officer Oct. 2012-Jan. 2013

- Management of on-going capital projects such as construction of pens
- Management of the facilities of the organization

Maintenance Officer April 2011 - October 2012

- Participated in installation and maintenance of feedmill machines
- Participated in the installation, operation and maintenance of submersible pumps in boreholes
- Supervised the disposal of waste generated within the organization
- Supervised the maintenance of generators with CI engines

Government Girls' Secondary School (Senior) Nov. 2007 - Oct. 2008

Independence Way, Kaduna, Kaduna State.

Mathematics Teacher (NYSC – 10 months)

- Taught General Mathematics to 3 classes of SS 1 students

Technodev Nigeria Limited, Agege-Ogba, Ikeja, Lagos State. Nov. 2005 - May 2006
Industrial Trainee (6 months)

- Participated in the assembling of bulldozers and other ICEs
- Preventive and corrective maintenance of bulldozers

Allamit Nigeria Limited, Odo-ona, Apata, Ibadan
Industrial Trainee (3 months)

Mar. 2005 – June 2005

- Fabrication of agricultural equipment and processing machines such as seed planter, maize sheller, plate or burr mill, feed pelletizing machine etc.

IX Computer Skills

- Proficient in Windows and Microsoft Word, Excel and PowerPoint
- Knowledgeable in Fortran Programming and Computer Modelling

X Qualifications

- **Certificate of Advanced Digital Appreciation Programme (ADAPTI)** 2016
- **Proficiency Certificate in Management** 2008
(Nigerian Institute of Management - NIM)
- **UNICEF-certified Peer Education Trainer (PET)** 2008

XI Personal Profile

- Excellent social and interpersonal skills
- Excellent oral and written communication skills in Yoruba and English languages
- Excellent analytical and creative mind
- Eagerness to learn and share knowledge

XII Interests

- Interacting and sharing ideas
- Football playing
- Reading

XIII Awards

- **Among the Best Six, 'NIM-NYSC Proficiency in Management' Programme** 2008
- **Best Graduating Student, Agricultural and Environmental Engineering**
Faculty of Technology, University of Ibadan, Ibadan. 2007
- **Graduate Engineer of the Year Competition, 1st Runner up,**
Nigerian Society of Engineers (Ibadan branch). 2007
- **Dean's Honours List, Faculty of Technology,**
University of Ibadan, Ibadan. 2003 – 2007

XIV Publications and Current Research Activities

- **Oyefeso, B. O.** and Raji, A. O. 2018. Estimating mass and volume of Nigerian grown sweet and Irish potato tubers using their geometrical attributes. Adeleke University Journal of Engineering and Technology (AUJET), 1(1): 123–130.

- Raji, A. O., and **Oyefeso, B. O.** 2017. Elasticity of cocoyam cormel as influenced by moisture content and loading orientation when in transit and storage. *Agricultural Engineering International: CIGR Journal*, 19(4): 193–199.
- **Oyefeso, B. O.** and Raji, A. O. 2017. Moisture content profile as influenced by temperature and slice thickness during cocoyam cormel drying. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 172-176. Umudike, Abia State, Nigeria. 3-6, October.
- Bello R. O., Raji, A. O. and **Oyefeso, B. O.** 2017. Design and construction of lyophilizer system using locally available materials. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 166-171. Umudike, Abia State, Nigeria. 3-6, October.
- Aremu, A. K., Ojo-Ariyo A. M. and **Oyefeso, B. O.** 2017. Physical properties of two varieties of Bambara groundnut seeds as affected by moisture content. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 158-165. Umudike, Abia State, Nigeria. 3-6, October.
- Ilori, A. O., **Oyefeso, B. O.**, Ilori, F. O. and Akintola A. 2017. Solar energy as a tool for poverty reduction and economic recovery in Nigeria- A review. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 15-21. Umudike, Abia State, Nigeria. 3-6, October.
- Raji, A. O. and **Oyefeso, B. O.** 2016. Features extraction of agricultural products using computer image processing. *Proceeding of the 37th National Conference and Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 37(2): 656-664. Minna, Niger State, Nigeria. 4-7, October.
- Raji A. O. and **Oyefeso, B. O.** 2010. Mass and volume modelling of tacca (*Taccainvolucrata*) and cocoyam (*Xanthosoma sagittifolium* (L.) Schott) tubers using their geometrical attributes. *Proceedings of the 10th International Conference of the Nigerian Institution of Agricultural Engineers (NIAE)*. 31: 69-77. 8-10, October.

XV **Dissertation and Thesis**

- 1) Oyefeso, B. O. (2010): Mass and volume modelling of some Nigerian tuber crops using their geometrical attributes. M.Sc. Project Report, University of Ibadan.
- 2) Oyefeso, B. O. (2016): Selected engineering properties and drying kinetics of cocoyam (*Xanthosoma sagittifolium* (L.) Schott) cormels. PhD Thesis, Department of Agricultural and Environmental Engineering, University of Ibadan.

XVI **Publications**

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| (a) | Books already published | NIL |
| (b) | Chapter in books already published | NIL |
| (c) | Articles that have already appeared in refereed conference proceedings | |
- Aremu, A. K., **Oyefeso, B. O.**, Ajao, T. O., Ojo, K. and Egbunu, J. O. (2018): Design, construction and performance evaluation of a rice destoner. *Proceedings of the 12th CIGR Section VI International Symposium (Postharvest Technology & Bioprocess Engineering)*. 21 IITA, Ibadan, Nigeria, 22–25 October, 2018.

- O.K. Fadele, A.K. Aremu, **B.O. Oyefeso** and A. Akintola (2018): Effects of moisture content, operation and design parameters on separation efficiency of Moringa seed shelling machine: optimization approach. *Proceedings of the 12th CIGR Section VI International Symposium (Postharvest Technology & Bioprocess Engineering)*, IITA, Ibadan, Nigeria, 22–25 October, 2018.
- **Oyefeso, B. O.** and Raji, A. O. (2017): Moisture content profile as influenced by temperature and slice thickness during cocoyam cormel drying. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 172-176. Umudike, Abia State, Nigeria. 3-6, October.
- Bello R. O., Raji, A. O. and **Oyefeso, B. O.** (2017): Design and construction of lyophilizer system using locally available materials. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 166-171. Umudike, Abia State, Nigeria. 3-6, October.
- Aremu, A. K., Ojo-Ariyo A. M. and **Oyefeso, B. O.** (2017): Physical properties of two varieties of Bambara groundnut seeds as affected by moisture content. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 158-165. Umudike, Abia State, Nigeria. 3-6, October.
- Ilori, A. O., **Oyefeso, B. O.**, Ilori, F. O. and Akintola A.(2017): Solar energy as a tool for poverty reduction and economic recovery in Nigeria- A review. *Proceeding of the 18th International Conference and 38th Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*. 38: 15-21. Umudike, Abia State, Nigeria. 3-6, October.
- Raji, A. O. and **Oyefeso, B. O.** (2016):Features extraction of agricultural products using computer image processing. *Proceeding of the 37th National Conference and Annual General Meeting of the Nigerian Institution of Agricultural Engineers (NIAE)*.37(2): 656-664. Minna, Niger State, Nigeria. 4-7, October.
- Raji A. O. and **Oyefeso, B. O.** (2010) Mass and volume modelling of tacca (*Tacca involucreata*) and cocoyam (*Xanthosoma sagittifolium* (L.)Schott) tubers using their geometrical attributes. *Proceedings of the 10th International Conference of the Nigerian Institution of Agricultural Engineers (NIAE)*. 31: 69-77. 8-10, October.

(d) **Patents**

NIL

(e) **Articles that have already appeared in learned journals**

- Raji, A. O., and **Oyefeso, B. O.** 2017. Elasticity of cocoyam cormel as influenced by moisture content and loading orientation when in transit and storage. *Agricultural Engineering International: CIGR Journal*, 19(4): 193–199.

XVII **Major Conferences Attended with Papers Read**

- 38th International Conference of the Nigerian Institution of Agricultural Engineers, Umudike, Abia State, Nigeria.
- 37th National Conference of the Nigerian Institution of Agricultural Engineers, Minna, Niger State, Nigeria.

- 10th International Conference and 30th Annual General Meeting of the Nigerian Institution of Agricultural Engineers, Enugu, Enugu State, Nigeria.
- 12th CIGR Section VI International Symposium, IITA, Ibadan, Nigeria, 22–25 October, 2018