

## CURRICULUM VITAE

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### 01. PERSONAL DATA

**Name:** Taofeek Ayotunde Yusuf  
**Date of Birth:** 4.04.1981  
**Place of Birth:** Ibadan  
**Nationality:** Nigerian  
**Permanent Home Address:** T12, Idowu Street, Temidire/Agric Area, off Sawia Motor Park, Olorunsogo Akanran Road, Ibadan, Oyo State  
**Correspondence Address:** Mechanical Engineering Department, University of Agriculture, P.M.B 2373 Makurdi Benue State Nigeria.  
**Phone (Mobile):** (+234)8066506595  
**E-Mail:** yustaofeekay@yahoo.com  
**Marital Status:** Married  
**Present Employment:** University of Agriculture, Makurdi-Nigeria  
**Date of First Appointment:** 03-09-2012  
**Appointment Confirmed:** 13-10-2014  
**Present Rank:** Lecturer I (CONUASS 04/01)

### 02. EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES

(i) Federal University of Agriculture, Abeokuta (FUNAAB)	2011 – 2014
(ii) National Teachers Institute (NTI), Abeokuta Centre	2011 – 2012
(iii) Federal University of Agriculture, Abeokuta (FUNAAB).	2001 – 2008
(iv) School of Science, Oke Bola Ibadan, Oyo State.	1996 – 1999
(v) Methodist Secondary Grammar School, Elekuro Ibadan.	1993 – 1996
(vi) Olosunde Community Primary school, Ibadan	1987 – 1993

### 03. QUALIFICATIONS OBTAINED WITH DATES

(i) M.Eng (Mechanical Engineering)	2014
(ii) Post Graduate Diploma in Education (PGDE)	2012
(iii) B.Eng (Mechanical Engineering)	2008
(iv) West African Senior Secondary Certificate (WASSC)	1999

### 04. OTHER TRAINING COURSES

(i) A-3 Day Mandatory Continuing Professional Education Course for Prospective Corporate members, Nigerian Society of Engineers, 19th-21st March, 2014  
**Role:** Participant/Graduate

(ii) Mechanical Design for Building Services/Construction Site Inspection& Meetings,

SOAD Engineering Consult, Abeokuta, August-October, 2013

**Role:** Graduate Mechanical Engineer Trainee

#### **05. PRIZES/COMMENDATIONS RECEIVED**

- (i) 1st Prize Winner, 12th Annual International Essay Competition, CMO Lagos **2018**
- (ii) Commendation for hardwork, initiatives/positive quota to TAIDOB College **2012**
- (iii) HOD's Prize, Best Graduating Pioneer Student in Mechanical Engrg, FUNAAB **2008**

#### **06. SCHOLARSHIPS RECEIVED**

- (i) Newcastle University International Postgraduate Scholarship (*unutilized*) **2014**
- (ii) Yoruba Tennis Club Scholarship Awards **2004**
- (iii) Federal Government Scholarship Awards **2003**

#### **07. COMPUTER LITERACY**

- Proficiency in Computing, Al-Aleem Computers, Abeokuta, Ogun State **2003**
- Data Analysis using SPSS softwares
- Microsoft office packages (Excel and words)
- AutoCAD application to Mechanical Building Services

#### **08. TEACHING/COGNATE EXPERIENCE**

##### **[A] Teaching Experience**

##### **a. University Courses Taught to date**

- Automatic control (EMD 712)
- Applied Mechanics I (Statics)-EME 209
- Applied Mechanics II (Dynamics)-EME 206
- Introduction to Complex Analysis (EMA 201)
- Technology and National Development (EGS 301)

##### **b. A-level/Secondary Schools Subjects Taught to date**

- Mechanics
- Pure Mathematics
- Pre-calculus and Calculus
- Further and General Mathematics

##### **[B] Cognate Experience**

##### **a. University**

- (i) **Lecturer I**, University of Agriculture, Makurdi **2017-Date**
- (ii) **Lecturer II**, University of Agriculture, Makurdi **2014-2017**
- (iii) **Graduate Assistant**, University of Agriculture, Makurdi **2012-2014**

##### **b. Cambridge Advanced level/Secondary School**

- (iii) **Senior Tutor**, School of Remedial/Advanced Studies, TAIDOB **2010-2012**

- (iv) **Graduate Tutor 1**, TAIDOB College, Asero Estate Abeokuta **2009-2012**
- (v) **Coordinator**, Mathematics/Computer Units, TAIDOB College Abeokuta **2012**
- (vi) **Chairman**, Academic Time Table, TAIDOB College, Abeokuta **2010-2012**

**c. Industrial**

- (vii) **Graduate Technical Officer (Mechanical)**, PHCN Plc, Anambra State **2008-2009**
- (viii) **Supervised Industrial Trainee**, Sahara Engineers, Ibadan **2006**
- (ix) **Supervised Industrial Trainee**, Ogun State Water Corporation. **2005**

**[C] Student Supervision**

Degree of Study	Completed	On-going	Total	Details
Undergraduate (B.Eng)	7	4	11	See Annex I
Post Graduate Diploma (PGD)	1	2	3	See Annex II
Masters (M.Eng)	0	0	0	Nil
Doctoral (Ph.D)	0	0	0	Nil
<b>Total</b>	<b>8</b>	<b>6</b>	<b>14</b>	

**09. SERVICE TO THE UNIVERSITY/COMMUNITY**

**[A] Service to the University**

**(i) College of Engineering**

Participant, Joint Maintenance of Lead Access Road July 2017

**(ii) Mechanical Engineering Department**

Member, Staff Welfare Committee June 2017-Date

**[B] Service to the Community/Certificate of Merits**

- (i) JAMB Internal Invigilator, TAIDOB College JAMB Centre, UTME **2011**
- (ii) The Chairman, EFCC CDS Group, NYSC Aguata LGA Anambra State. **2008-2009**
- (iii) INEC NYSC Adhoc Staff, Anambra State Senatorial Election, Agulueze-chukwutown, Aguata Local Government. **2008**
- (iv) The Second Pioneer Secretary General, Nigerian University Engineering Students' Association (NUESA), FUNAAB Chapter. **2005-2006**
- (v) The Pioneer PRO, NUESA, FUNAAB **2003-2005**

**10. PUBLICATIONS**

**Dissertation and Theses**

**T.A Yusuf (2014).** *Evaluation of Water-extract from Fermented Ground Maize for its Potential as Coolants for Engine and machining Operations, M.Eng. Dissertation*, Federal University of Agriculture Abeokuta .

**T.A Yusuf (2012);** *Impact of Class Size on Students' Attitude to study in secondary schools in Ogun State (A case Study of selected Secondary Schools in Abeokuta)*. **PGDE Project**, National Teachers' Institute, Kaduna

**T.A Yusuf (2008);** *Investigation of Causes of Accidents in Manufacturing Industries*. **B.Eng. Project**, Federal University of Agriculture Abeokuta. Abstract available at <http://journal.unaab.edu.ng/index.php/theses/thesis/view/3929>

### **Scholarly Reviewed Book**

**B1.T.A Yusuf (2015).** *The Merits of Engineering and the Engineers* (1<sup>st</sup> Ed.), Wasladot Digital Prints. Abeokuta, 2015; Pp 67.ISBN: 978-978-399-5

### **Journal Articles**

- J1. **Yusuf, T.A;** Gundu, D.T; Oseni, M.I; Bolaji, B.O. & Ismaila, S.O (2013): Evaluation of Corn Water for Corrosion Inhibitors Extract. *International Journal of Engineering and Science* 2 (8): 31-35. Available online at [www.theijes.com/papers/v2-i8/part.3/f0283031035.pdf](http://www.theijes.com/papers/v2-i8/part.3/f0283031035.pdf)
- J2. S.O. Ismaila, B.O. Bolaji, O.R. Adetunji, N.O. Adekunle, **T.A Yusuf** & H.O. Sanusi (2013). On Vehicular Emissions of Petrol and Diesel Engines. *Annals of Faculty of Engineering-International Journal of Engineering, Hunnedora, Romania*. 11 (3): 177-180. Available at <http://annals.fih.upt.ro>
- J3. **T.A Yusuf**, S.O. Ismaila, S.I. Kuye & O.D Samuel (2015). Evaluation of the Cost and Effect of Industrial Accidents. *European Journal of Scientific Research*, 132 (2): 184-190. Available online at [http://www.europeanjournalofscientificresearch.com/issues/EJSR\\_132\\_2.html](http://www.europeanjournalofscientificresearch.com/issues/EJSR_132_2.html).
- J4\*. **T.A Yusuf**, C. AOnifade & O.S Bello (2016). Impact of Class Size on Learning, Behavioral and General Attitudes of Students in Secondary Schools in Abeokuta, Ogun State Nigeria. *Journal of Research Initiatives* 2 (1): 1-18 published by Fayetteville State University, USA. Available at: <http://digitalcommons.uncfsu.edu/jri/vol2/iss1/12>
- J5. **Taofeek Ayotunde Yusuf**, Bukola Olalekan Bolaji, Salami Olasunkanmi Ismaila, Johnson Kayode Adewumi (2016). Determination of Thermo Physical Properties of Water-Extract from Fermented Ground Maize (WEFGM) as Possible Alternative to Water Use as Cutting Fluid. *Silpakorn University Science and Technology Journal, Thailand*, 10(2): 51-60. Available online at <http://www.journal.su.ac.th/index.php/sustj/article/view/573>
- J6\*. **T.A. Yusuf**, M.I. Oseni & G.O. Adejoh (2016). Correlation of Relationship between Course of Study and Academic Performance of Undergraduate Engineering Students in Universities. *Journal of Language, Technology & Entrepreneurship in Africa*, 7(2): 72-81. Available online at <http://www.ajol.info/index.php/jolte/article/view/149962>
- J7+. **T.A. Yusuf**, O.M. Sanusi & H.O. Adeyemi (2016). A Model for Determining the Safety Level of Occupational Work Using Accidents and Injuries Measurement Parameters: a Review. *Journal of Engineering Studies and Research, University*

- of Bacau, Romania, 22 (3): 71-76. Available online at [www.pubs.ub.ro/?pg=revues&rev=jesr&num=201603&vol=22&aid=4631](http://www.pubs.ub.ro/?pg=revues&rev=jesr&num=201603&vol=22&aid=4631).
- J8. **T.A Yusuf** (2017). A Study on the Factors Influencing Preferred Use of Water Over the Branded Engine Coolant Among Automobile Users. *International Journal of Trend in Research and Development*, Volume 4(6): 68-70
- J9+. **T.A. Yusuf**, B.O. Bolaji & S.O. Ismaila (2017). Analytical Test of Water-Extract from Fermented Ground Maize as an Alternative Base for Engine Coolants. *Walailak Journal of Science and Technology, Walailak University, Thailand*, 14 (2):75-82. Available online at <http://wjst.wu.ac.th/index.php/wjst/article/view/1775>
- J10+. **T.A. Yusuf**, L.E. Dan-laaka & P.O. Ogwuche (2017). Characterization of Selected Properties of Composites of Waste Paper With Untreated Bamboo Stem Fibre And Rice Husk. *Acta Polytechnica, Czech Technical University in Prague, Czech Republic*, 57 (4):295–303. Available online at <http://ojs.cvut.cz/ojs/index.php/apdoi:10.14311/AP.2017.57.0295>
- J11+. **T.A. Yusuf**, J. Z. Atsehekaa & M. L. Baka (2018). Evolution of a Synthetic Fluid from Water Extract from Fermented Ground Maize (WEFGM) As An Alternative To Water-Based Cutting Fluids: Properties Analysis. *Journal of New Technology and Materials, Larbi Ben M'hidi University, Oum El-Bouaghi, Algeria*, 08 (01): 15-21. Available online at <https://www.asjp.cerist.dz/en/article/54764>.
- J12+. Olusola Femi Olusunmade, Sunday Zechariah, **Taofeek Ayotunde Yusuf** (2018). Characterization of Recycled Linear Density Polyethylene/Imperata cylindrical Particulate Composites, *Acta Polytechnica, Czech Technical University in Prague* 58 (3):195–200. Available online at <http://ojs.cvut.cz/ojs/index.php/ap>
- J13+. Hezekiah O. Adeyemi, **Taofeek A. Yusuf**, Martins O. Osifeko (2018). Forecasting Unsafe Level of Work Stations with Injuries Frequency Measurement Criterion: A Fuzzy Logic Approach. *International Journal of Engineering Technology and Sciences (IJETS), Universiti Malaysia Pahang*, 5 (1): 95 – 105.
- J14+. **Yusuf, Taofeek Ayotunde**, Onifade, C.A (2018). Correlation Effects of Gender and Entry Qualifications on the Performance of Undergraduate Engineering Students in Universities. *Journal of Research Initiatives*, 4(1): 1-7. Published by Fayetteville State University, USA. Available online at <https://digitalcommons.uncfsu.edu/jri/vol4/iss1/4/>

### **Conference Papers**

- C1+. **Taofeek Ayotunde Yusuf**, Monday Benjamin & Olusola Femi Olusunmade (2018). Performance Evaluation of a Machine Coolant Developed from Groundnut oils Emulsified in Water Extract from Fermented Ground Maize, *Book of Abstract, 1<sup>st</sup> International Engineering Conference, Faculty of Engineering, Ikole Campus, Federal University Oye-Ekiti*, O.A Oyelaran (Ed), p21.

\*journals on engineering education

+journals after last promotion

## **11. MEMBERSHIP OF PROFESSIONAL BODIES/CONFERENCES ATTENDED**

### **[A] Membership of Learned Societies**

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|--|-------------|
| i. <b>Mechanical Engineer</b> , COREN  | <b>2015</b> |
| ii. <b>Corporate Member</b> , The Nigerian Society of Engineers (NSE)          | <b>2014</b> |
| iii. <b>Certified Teacher</b> , Teacher Registration Council of Nigeria (TRCN) | <b>2014</b> |

## **[B] Conferences and Workshop Attended**

- i. International Engineering Conference & Annual General Meeting of the Nigerian Society of Nigeria, International Conference Centre, Abuja, 9th-13th Dec, 2013  
**Role:** Participant/Graduate
- ii. World Engineering Conference on Sustenance Infrastructure (WECSI) jointly organized by World Federation of Engineering Organizations (WFEO) and the Nigerian Society of Engineers (NSE), International Conference Centre, Abuja, 3rd-7th November, 2014  
**Role:** Participant/Graduate
- iii. Sunshine 2015: National Engineering Conference, Exhibition and Annual General Meeting of the Nigerian Society of Engineers, International Culture and Event Centre, Akure, Ondo State Nigeria, 16-20 November, 2015  
**Role:** Participant/Member
- iv. 1<sup>st</sup> International Automobile Workshop in Benue State jointly organized by AUTO 360 Nigeria Ltd and United States Automobile Experts, km 5, Gboko Road, Makurdi Nigeria, 21-24th June, 2016.  
**Role:** Participant/Member
- v. 1<sup>st</sup> International Engineering Conference (Ikole 2018) on Engineering and Technology Approach for Sustainable National Development organized by Faculty of Engineering, Ikole Campus, Federal University of Oye-Ekiti, Ekiti State Nigeria, 25-26 July, 2018.  
**Role:** Participant/Paper Presenter  
**Paper presented:**  
Performance Evaluation of a Machine Coolant Developed from Groundnut oils Emulsified in Water Extract from Fermented Ground Maize

## **12. PROPOSED/CURRENT RESEARCH AND EXTENSION**

Development and Evaluation of radiator coolant formulated using glycols/biofluid extract mix.

## **13. CONTRIBUTIONS TO KNOWLEDGE**

As attested to by the various published research outputs which are available for open access online.

## **14. REFEREES**

Engr. Prof. J.S. Ibrahim	Mechanical Engineering Department, University of Agriculture, P.M.B 2373, Makurdi, Mobile No: +2347034224395 E-mail: rovenmakurdi@yahoo.com
Engr. Prof. B.O Bolaji	Department of Mechanical Engineering Faculty of Engineering, Ikole Campus, Federal University Oye-Ekiti, Nigeria PMB. 373, Oye-Ekiti, Ekiti State, Nigeria. Mobile: +2348109232572; +2348150918379

	E-mail: bukola.bolaji@fuoye.edu.ng
Engr. Prof. S.O Ismaila,	Mechanical Engineering Department, Federal University of Agriculture, P.M.B 2240, Abeokuta, Ogun State. Mobile No: +234 8032852655 E-mail: ismailasalami@yahoo.com



1st August, 2018

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Signature

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Date

## Annex I: B.Eng Project

<b>1</b>	<b>Title of the Project</b>	<b>Comparative Study on performance evaluations of formulated WEFGM-based and water-based Synthetic Metalworking fluids using turning operations</b>
	Name of the Student	Nnorom Chibueze (12/22634/UE)
	Year of Commencement	2016/2017
	Status	Completed
	Type of Supervision	Sole
<b>2</b>	<b>Title of the Project</b>	<b>A study on Thermo-physical properties of formulated synthetic fluids using Water Extract from Fermented Ground Maize (WEFGM) and water as base fluids.</b>
	Name of Student	Atsehekaa, Zahemen Joshua (12/22600/UE)
	Year of commencement	2016/2017
	Status	completed
	Type of Supervision	sole
<b>3</b>	<b>Title of the project</b>	<b>Production and Evaluation of paper/Rice Husk Composite using Cassava Starch as Binder</b>
	Name of student	Dan-laaka, Lawson Erima (12/22607/UE)
	Year of Commencement	2016/2017
	Status	completed
	Type of Supervision	Sole
<b>4</b>	<b>Title of Project</b>	<b>Production and Evaluation of paper and Bamboo Stem composite using cassava starch as binder</b>
	Name of Student	Ogwuche, Ogwuche Peter (12/22641/UE)
	Year of Commencement	2016/2017
	Status	Completed
	Type of Supervision	Sole
<b>5</b>	<b>Title of Project</b>	<b>Performance Evaluation of Cutting Fluids Developed from Groundnut Oils emulsified in WEFGM and Water</b>
	Name of Student	Monday Benjamin (14/30925/DE)
	Year of Commencement	2017/2018
	Status	Completed
	Type of Supervision	Sole
<b>6</b>	<b>Title of Project</b>	<b>Production and Evaluation of Selected Properties of Acid-Treated Bamboo Fibre/waster paper Composites using cassava Starch as binder</b>
	Name of Student	Okechukwu, Uchenna John (13/25515/UE)
	Year of Commencement	2017/2018
	Status	Completed
	Type of Supervision	Sole
<b>7</b>	<b>Title of Project</b>	<b>Characterization of Cutting Fluids Produced from Groundnut Oils Emulsified in WEFGM and Water</b>
	Name of Student	Orihu, Onyekachi
	Year of Commencement	2017/2018
	Status	Completed
	Type of Supervision	Sole



<b>8</b>	<b>Title of Project</b>	<b>Performance testing a radiator coolant developed from ethylene-glycol based anti-freeze and WEFGM</b>
	Name of Students	Gumji, Lawrence I (14/28962/UE)& Tyopev, Stephen Yima (14/28974/UE)
	Year of Commencement	2018/2019
	Status	On-going
	Type of Supervision	Sole
<b>9</b>	<b>Title of Project</b>	<b>Evaluation of a Radiator Coolant Developed From Ethylene Glycol-Based Antifreeze and WEFGM</b>
	Name of Student	Abakpa, Alechenu Nelson (14/29008/UE)
	Year of Commencement	2018/2019
	Status	On-going
	Type of Supervision	Sole
<b>10</b>	<b>Title of Project</b>	<b>Characterization of A Radiator Coolant Developed From Ethylene-Glycol Based Antifreeze And WEFGM</b>
	Name of Student	Anejodoh, Victor Ojonimi (14/29505/UE)
	Year of Commencement	2018/2019
	Status	On-going
	Type of Supervision	Sole

## Annex II: PGD Project

<b>1</b>	<b>Title of Project</b>	<b>Development and Performance Evaluation of Twin Purpose Plastic Recycling Machine</b>
	Name of Student	Choji, Gyang Dalyop (15/8805/PGD)
	Year of commencement	2016/2017
	Status	Completed
	Type of supervision	Sole
<b>2</b>	<b>Title of Project</b>	<b>A study on level safety practices in selected workplaces in Nigeria</b>
	Name of student	Suleiman Zurqanain (16/9607/PGD)
	Year of commencement	2017/2018
	Status	On-going
	Type of supervision	Sole
<b>3</b>	<b>Title of the project</b>	<b>Development and Testing of a Fluid Thermal Conductivity/Capacity Apparatus</b>
	Name of student	Ocheme Job (17/10627/PGD)
	Year of Commencement	2018/2019
	Status	On-going
	Type of Supervision	Sole