

CURRICULUM VITAE

A. GENERAL INFORMATION

- | | | |
|-----|--|---|
| 1. | Name: | BELLO, Afeez Adefemi |
| 2. | Date and Place of Birth: | 11 th Oct., 1976, Ilobu |
| 3. | Gender | Male |
| 4. | Nationality | Nigerian |
| 5. | State of Origin | Osun |
| 6. | Local Government Area | Irepodun |
| 7. | Marital Status: | Married |
| 8. | Names and Ages of Children: | Abdullah (22), Aisha (20), Abdur-Rahman Ahmad (17), Fatima (15), Muhammad (13), Maryam (12) |
| 9. | Name and Relationship of Next of Kin: | Bello Monsuru (Brother) |
| 10. | Permanent Contact Address: | Ibigbami's Compound, Ilobu, Osun State. |
| 11. | Email: | adejemisola@yahoo.com;
afeez.bello@uniosun.edu.ng |
| 12. | Registration with Research Gate | Yes |
| 13. | If Yes, Provide the link | https://www.researchgate.net/profile/Afeez-Bello-2 |
| 14. | If No, Why? | Link Provided |
| 15. | Registration with Google Scholar | Yes |
| 16. | If Yes, Provide the link | http://scholar.google.com/citations?hl=en&user=J0Uke7wAAAAJ
http://linkedin.com/in/afeez-bello-70128b53
https://openalex.org/authors/a5108236476 |
| | Linkedin Profile | |
| | OpenAlex | |
| 17. | If No, Why? | Link Provided |
| 18. | Cell Phone Number: | +2348062481383 |
| 19. | College/Faculty: | Science, Engineering and Technology/
Engineering |
| 20. | Department: | Civil Engineering |
| 21. | Position on First Appointment: | Lecturer II (3 rd December, 2007) |
| 22. | Present Position and Salary (grade level and step): | Professor (CONUASS 07 (7)) |
| 23. | Date of Present Position (Promotion/Regrading): | 1 st October, 2019 |
| 24. | Is your appointment confirmed? | Yes |
| 25. | If No, why Not? | Not applicable |
| 26. | Date of Confirmation of Appointment: | 15 th August, 2011 |

B. EDUCATIONAL BACKGROUND

1. Educational Institutions Attended with Dates

- Ahmadu Bello University, Zaria, Nigeria (2006 – 2010)
- University of Ibadan, Ibadan, Nigeria (2003 – 2005)
- Ladoke Akintola University of Technology, Ogbomoso, Nigeria (1995 – 2001)
- Ilobu Grammar School, Ilobu, Osun State, Nigeria (1991 – 1993)
- Ansar-Ud-Deen Grammar School, Erin Osun (1988 - 1990)

2. Academic and Professional Qualifications

- Ph.D Civil Engineering (2010)
- M.Sc Civil Engineering (2005)
- B. Tech (Hons) Civil Engineering (**Second Class Upper**) (2001)
- Professional Engineer: Council for the Regulation of Engineering in Nigeria (COREN) (R. 14, 823) (2008)
- Member, Nigerian Society of Engineers (17, 234) (2007)

3. Other Relevant Qualifications Nil

4. Honours, Awards and Distinctions

- i. Letter of Appreciation by the Management of Osun State University, Osogbo, Nigeria, for the renovation of blown off roof, University Library of College of Education at Ipetu Ijesha, Bukateria and Administrative Block and Library of the College of Law, Ifetedo (2nd October, 2020)
- ii. Letter of Commendation by the Registrar of Osun State University, Osogbo, Nigeria, for the stupendous and judicious spending and qualitative renovation of Engineering Building of Osun State University by Direct Labour Committee (20th November, 2019)
- iii. Letter of Commendation by the Vice Chancellor of Osun State University, Osogbo, Nigeria, for the meritorious and selfless services being rendered by Direct Labour Committee (21st January, 2020)

- iv Distinguished Personality Award, Department of Civil Engineering by Association of Civil Engineering Students, Osun State University, Osogbo (2015)
- v Best Lecturer, Department of Civil Engineering by Association of Civil Engineering Students, Osun State University, Osogbo (2013)
- vi Best Lecturer, Department of Civil Engineering by Association of Civil Engineering Students, Osun State University, Osogbo (2011)
- vii Most dedicated Teacher, Al-Monsur Model College, Ifon Osun (2004)
- viii Best Student in 200 Level Civil Engineering Department, LAUTECH (1996 – 1998)
- ix Best Student in Mathematics, Ilobu Grammar School, Ilobu (1993)

5. Research Fellowships with dates

- 1) Principal Investigator, Tertiary Education Trust Fund, Federal Government of Nigeria (₦2,000,000) (2011)
- 2) Principal Investigator, Tertiary Education Trust Fund, Federal Government of Nigeria (₦1,940,000) (2013)
- 3) Principal Investigator, Tertiary Education Trust Fund, Federal Government of Nigeria (₦1,740,000) (2015)
- 4) Tertiary Education Trust Fund, Federal Government of Nigeria with grant number (UNIOSUN/TetFund/24/02) (₦4,000,000) (2025) (Co – Researcher)
- 5) Tertiary Education Trust Fund, Federal Government of Nigeria with grant number (UNIOSUN/TetFund/24/09) (₦4,842,800) (2025) (Co – Researcher)
- 6) Tertiary Education Trust Fund, Federal Government of Nigeria with grant number (UNIOSUN/TetFund/24/03) (₦3,981,800) (2025) (Co – Researcher)

C: WORK EXPERIENCE OUTSIDE THE UNIVERSITY SYSTEM WITH DATES:

- (i) Zakarryau Model College, Ilobu, Osun State (2002-2003)
- (ii) Al- Monsur Model College, Ifon Osun, Osun State (2002)
- (iii) Metropolitan College, Onitsha, Anambra State (2001)
- (iv) Onitsha North Local Government Headquater, Onitsha (2001)
- (v) Integrated Builders Ltd (1999)

D: WORK EXPERIENCE IN OTHER UNIVERSITY

(i) Department of Civil Engineering, University of Ilorin, Ilorin, Kwara State, Nigeria

- Sabbatical Appointment as Professor (October 02, 2025 to September 30, 2026)

(ii) Department of Civil Engineering, LAUTECH, Ogbomoso, Nigeria

External Examiner for M.Sc Students (2025)

(iii) Department of Civil Engineering, University of Ibadan, Nigeria

External Examiner for M.Sc Students (2021; 2022)

(iv) Department of Project Management Technology, Federal University of Technology, Akure, Ondo State

- External Examiner for Postgraduate Students (2019)

(v) Department of Civil Engineering, Olabisi Onabanjo University, Ago Iwoye (Ibogun Campus) Nigeria

- Sabbatical Appointment as Associate Professor
(September 25, 2017 to September 24, 2018)

(vi) Department of Civil Engineering, LAUTECH, Ogbomoso, Nigeria

(a) External Examiner for M.Sc Students (2015)

(b) Assistant Lecturer (27th April, 2005 – 2007)

Duties: Teaching and Research

- Administrative work
 - Departmental Examination Officer
 - 100 Level Students' Advisor, Civil Engr'g Dept.

Teaching and handing the following courses:

Course Code	Course Title	Unit	No. of Lecturers	% Involvement
CVE 202	Theory of Structures	03	2	50%
CVE 307	Soil Mechanics	03	2	50%
CVE 405	Foundation Engineering	03	2	50%
CVE 401	Project Methodology	02	3	30%

(b) Teaching Assistant (15th April, 2004 – 26th April, 2005)

Duties: Tutorials, Marking Assignments and Quizes

E: WORK EXPERIENCE IN OSUN STATE UNIVERSITY, OSOGBO, NIGERIA:**Department of Civil Engineering:**

(a) Professor		(2019 - Date)		
CVE 507	Geotechnical Engineering I	04	01	100%
CVE 514	Geotechnical Engineering II	03	01	100%
CVE 200	SWEP I	02	01	100%
CVE 300	SWEP II	02	01	100%
CVE 400	SIWES	06	01	100%
CVE 501	Final Year Project I	03	01	100%
CVE 502	Final Year Project II	03	01	100%

▪ Postgraduate

CVE 607	Geotechnical Engineering I	03	01	100%
CVE 608	Geotechnical Engineering II	03	01	100%
CVE 703	Advanced Soil Mech & Found Eng	03	01	100%
CVE 723	Geotechnical and Physico- chemical properties of soil	03	01	100%
CVE 727	Site Investigation Lab & Field Studies	03	01	100%
CVE 724	Earth Retaining Structures & Ground Improvement	03	01	100%
CVE 726	Advanced Geotech Analysis and Design	03	01	100%
CVE 728	Rock Mechanics	03	01	100%

(a) Associate Professor (2016 - 2019)

Duties: Teaching, Research and Community service

▪ Undergraduate

Course Code	Course Title	Unit	No. of Lecturers	% Involvement
CVE 307	Soil Mechanics I	03	01	100%

CVE 405	Soil Mechanics II	02	01	100%
CVE 505	Geotechnical Engineering I	04	01	100%
CVE 514	Geotechnical Engineering II	03	01	100%
CVE 200	SWEP I	02	01	100%
CVE 300	SWEP II	02	01	100%
CVE 400	SIWES	06	01	100%
CVE 501	Final Year Project I	03	01	100%
CVE 502	Final Year Project II	03	01	100%

▪ **Postgraduate**

CVE 607	Geotechnical Engineering I	03	01	100%
CVE 608	Geotechnical Engineering II	03	01	100%
CVE 703	Advanced Soil Mech & Found Eng	03	01	100%
CVE 723	Geotechnical and Physico- chemical properties of soil	03	01	100%
CVE 727	Site Investigation Lab & Field Studies	03	01	100%
CVE 724	Earth Retaining Structures & Ground Improvement	03	01	100%
CVE 726	Advanced Geotech Analysis and Design	03	01	100%
CVE 728	Rock Mechanics	03	01	100%

(b) Senior Lecturer

(2013-2016)

Duties: Teaching, Research and Community service

Course Code	Course Title	Unit	No. of Lecturers	% Involvement
CVE 202	Strength of Materials	03	02	50%
CVE 307	Soil Mechanics I	03	01	100%
CVE 310	Foundation Engineering	03	01	100%
CVE 405	Soil Mechanics II	02	01	100%
CVE 505	Geotechnical Engineering I	04	01	100%
CVE 514	Geotechnical Engineering II	03	01	100%

(c) Lecturer I**(2010-2013)**

Duties: Teaching and Research and Community service

Course Code	Course Title	Unit	No. of Lecturers	% Involvement
MEE 201	Engineering Materials	03	01	100%
CVE 202	Strength of Materials	03	01	100%
CVE 307	Soil Mechanics I	03	01	100%
CVE 309	Surveying and Photogrammetry	03	01	100%
CVE 310	Foundation Engineering	03	01	100%
CVE 405	Soil Mechanics II	02	01	100%

Administrative work

- Coordinator / College Representative, Management Committee of the Centre for Human Resources Development and Life Long Learning
- Member, Publication Committee, Annals of Science, Engineering and Technology Journal, College of Science, Engineering and Technology, Osun State University (2010-2013)
- 200 Level Students' Advisor, Civil Engr'g Dept., Osun State University (2008-2011)
- 200 Level Students' Advisor, Electrical/ Electronics Dept., Osun State University Osogbo (2008 to 2010)
- Electrical/Electronics Students Association Staff Adviser, 2009-2010
- Examination Officer, Civil Engineering Dept., Osun State University, Osogbo (2008 to 2011)
- Examination Officer, Electrical/Electronics Engr'g, Osun state University, Osogbo (2008 to 2010)
- Civil Engineering Students' Association Staff Adviser, 2009-2012
- Member, Curriculum drafting committee, Civil Engineering Department, Osun State University, Osogbo.
- Member, Curriculum drafting committee, Electrical/Electronics Department, Osun State University, Osogbo.
- Member, Local Organizing Committee, Conference of Meteorological Society of Nigeria.
- Secretary, Space Allocation Committee, College of Science, Engineering and Technology, Osun State University.

- Member, Student Welfare Committee College of Science, Engineering and Technology, Osun State University.
- Departmental SIWES Coordinator (2010-2012)
- Coordinator, Summer Programme, Department of Civil Engineering.
- Member, Committee on Alternative Power Supply, College of Science Engineering and Technology, Osun State University.
- Coordinator, Department of Civil Engineering, Osun State University (August, 2013-July, 2014)
- Congregation Representative at Senate (2012- 2014)

(d) Lecturer II

(3rd December, 2007 – 2010)

Duties: Teaching and Research

Teaching and handling the following courses:

Course Code	Course Title	Unit	No. of Lecturers	% Involvement
MEE 101	Engineering Drawing	02	2	50%
MEE 102	Workshop Practice	02	2	50%
MEE 201	Engineering Materials	03	1	100%
CVE 202	Strength of Materials	03	1	100%
CVE 307	Soil Mechanics	03	1	100%

F: CO-CURRICULAR PROFESSIONAL EXPERIENCE

- **Chairman, Project Technical Review Committee, Osun State University, Osogbo (June 13, 2025 to Date)**

To strengthen due process; ensuring value for money saddled with responsibility of considering submissions on infrastructure maintenance and new projects that are to be funded through Internally Generated Revenue (IGR)

- **Chairman, Direct Labour Committee, Osun State University, Osogbo (2019 to 2021)**

Project handled

- ✓ Renovation of College of Law Building, Library and Health Centre, Ifetedo (₦11,906,750 was approved) and ₦11,737,950 was expended while the remaining balance was returned into the University purse.

- ✓ Renovation of Blown off roof, leakages at the College of Education Library and Bukateria Ipetu Ijesha (₦495,200 was approved) and ₦392,550 was expended while the remaining balance returned into the purse of the University.
- ✓ Renovation of ceiling of Engineering Building (₦10, 928,400 was approved) and ₦8,862,120 was expended while the remaining balance was returned to the University cover.
- ✓ Conversion of old library to Post graduate lecture rooms at Okuku campus (₦2,345,550)
- ✓ Rehabilitation of Provost chalet and Studio apartment at Ipetu Ijesa campus (₦2,824,700 was approved) ₦1,872,120 was expended while the remaining balance was returned to the University cover.
- ✓ Negotiation for the sale of Uniosun cooperative Investment and Credit Society (CICS) Hostel facility.
- ✓ Rehabilitation of College building, Health centre and Library of Ipetu – Ijesa campus (over ₦7M was spent)
- ✓ Rehabilitation of College building, Ejigbo campus (over ₦4M was spent)
- ✓ Construction and cladding of Radio and Television studio, Ikire campus (over ₦4M was spent)
- ✓ Construction of Portal Cabins across Six Campuses (₦6,286,750 was approved) but ₦5,558,450 was expended while the remaining balance was returned to the University cover.

And a host of others

- **Member, Tenders Analysis Committee**, Osun State University, Osogbo (2019 till date)
- **Consultant**, Independent valuation on the Hostel and Materials offered for sale to the University by UNIOSUN Credit Society (2019).
- **Geotechnical Consultant**, Geotechnical investigative studies for Lecture Rooms for Ikire Campus of Osun State University (2020)
- **Geotechnical Consultant**, Geotechnical investigative studies for Lecture Rooms for Ejigbo Campus of Osun State University (2020)
- **Geotechnical Consultant**, Geotechnical investigative studies for Lecture Rooms for Ifetedo Campus of Osun State University (2020)
- **Geotechnical Consultant**, Geotechnical investigative studies for Lecture Rooms for Ipetu-Ijesa Campus of Osun State University (2020)
- **Geotechnical Consultant**, Geotechnical investigative studies for Faculty Building for Ipetu-Ijesa Campus of Osun State University (2020)

- **Geotechnical Consultant**, Geotechnical investigative studies for Faculty Building Ikire Campus of Osun State University (2020)
- **Geotechnical Consultant**, Geotechnical investigative studies for Multipurpose Iconic building for Okuku Campus of Osun State University (2017)
- **Geotechnical Consultant**, Geotechnical investigative studies for Multipurpose Iconic building Osun State University, Osogbo Main Campus (2017)
- **Highway Consultant**, Access road to Faculty of Environmental Sciences Building, Osun State University, Osogbo (2016)
- **Highway Consultant**, Access road to the main Campus of Osun State University, Osogbo (2016)
- **Geotechnical Consultant**, Osun State University Master Plan (2016)
- **Geotechnical Consultant**, Geotechnical investigative studies for inter campus road construction for Ifetedo Campus of Osun State University (2016)
- **Geotechnical Consultant**, Geotechnical investigative studies for Centre for Entrepreneurship, Osun State University, Osogbo Main Campus (2015)
- **Geotechnical Consultant**, Geotechnical investigative studies for Computer Based Test Centre, Osun State University, Osogbo Main Campus (2015)
- **Geotechnical Consultant**, Geotechnical investigative studies for Twin Lecture Theatre, Osun State University, Ejigbo Campus (2014)
- **Geotechnical Consultant**, Geotechnical investigative studies for Joint Office, Osun State University, Osogbo Main Campus (2014)
- **Geotechnical Consultant**, Geotechnical investigative studies for Centre for Entrepreneurship, Osun State University, Okuku Campus (2013)
- **Geotechnical Consultant**, Geotechnical investigative studies for UNIOSUN Central Mosque, Osun State University, Osogbo Campus (2013)
- **Geotechnical Consultant**, Geotechnical investigative studies for Twin Lecture Theatre, Osun State University, Ipetu Ijesha Campus (2013)
- **Geotechnical Consultant**, Geotechnical investigative studies for Twin Lecture Theatre, Osun State University, Osogbo Main Campus (2013)
- **Geotechnical Consultant**, Geotechnical investigative studies for Faculty of Environmental Sciences Building, Osun State University, Osogbo Main Campus (2014)
- **Geotechnical Consultant**, Geotechnical investigative studies for 500 Seater Lecture Theatre, Osun State University, Okuku Campus (2013)

- **Consultant**, Design of Access Road to Faculty of Environmental Science, Osun State University, Osogbo Campus (2003).
- Supervision of Administrative building, Federal Polytechnics, Ede.
- Supervision of Technical report on Iwo/Osogbo road rehabilitation (2010)
- Supervision of Technical report on access road leading to the main campus, Osogbo (2010)
- Presentation of Technical Paper at Nigeria Society of Nigeria, Osogbo Branch (27th January, 2011)

G: MEMBERSHIP OF PROFESSIONAL BODIES

Member, Nigerian Society of Engineers with Registration **No. 17, 234**

Registered member, Council for the Regulation of Engineering in Nigeria (**R 14,823**)

H: SERVICE:

i. University Level.

- a. Chairman, Students' Welfare Committee, Faculty of Engineering (2013-2014)
- b. Congregation Representative to University Senate (2012 -2014)
- c. Departmental SIWES Coordinator (2010- 2014)
- d. Departmental SWEP Coordinator (2010-2014)
- e. Coordinator, Summer Programme, Departments of Civil and Electrical/Electronics Engineering.
- f. Member, Committee on Alternative Power Supply, College of Science Engineering and Technology, Osun State University.
- g. Secretary, Space Allocation Committee, College of Science, Engineering and Technology
- h. Faculty of Engineering SIWES Coordinator (2011-2014)
- i. Faculty of Engineering SWEP Coordinator (2011-2014)
- j. Departmental Undergraduate Project Co-ordinator (2011-2014)
- k. Member, Faculty of Engineering and Environmental Sciences Board of Studies (2013 to 2015)
- l. Member, Faculty of Engineering and Environmental Sciences Review Panel (2013 to 2015)
- m. Member, Faculty of Engineering and Environmental Sciences Research Committee (2013 to 2015)
- n. Chairman, Faculty of Engineering and Environmental Sciences Examination Malpractice Committee (2013 to 2015)
- o. Coordinator, Department of Civil Engineering (August, 2013 – July, 2013)
- p. Acting Head, Department of Civil Engineering (August, 2014 – July, 2015)
- q. Chairman, Valuation Committee for Rehabilitation of Ikire Campus, Osun State University (2014).
- r. Ag. Dean, Faculty of Engineering and Environmental Sciences (31st July, 2015 - 2017)

- s. Member, Committee of Provost, Deans and Directors (August, 2015 till date)
- t. Member, Committee of Deans of Engineering and Technology of Nigeria Universities (August, 2015)
- u. Cognate Dean, Faculty of Basic and Applied Sciences (August, 2015 till date)
- v. Member, Appointment and Promotion Committee (Academics, Technical, Library Administrative) (August, 2015 till date)
- w. Member, Students Disciplinary Committee, Osun State University, Osogbo (August, 2015 till date)
- x. Member, Post graduate Board, Osun State University (August, 2015 till date)
- y. Chairman, Faculty of Engineering and Environmental Sciences Review Committee (2015 till date)
- z. Chairman, Journal Committee, UNIOSUN Journal of Engineering and Environmental Sciences (2019 till date)
- aa. Chairman, Direct Labour Committee, Osun State University, Osogbo (May 2, 2019 - 2021)
- bb. Acting Dean, Faculty of Engineering, Osun State University, Osogbo (October, 2019 - August 14, 2020)
- cc. Cognate Dean, Faculty of Agricultural Science, Osun State University (2020)
- dd. Dean, Faculty of Engineering and Environmental Science, Osun State University, Osogbo (August 15, 2020 – June 16, 2021)
- ee. Chairman, Investigation Committee on Commercialization of Academic Activities in the College of Management & Social Sciences, Okuku (2020)
- ff. Chairman, Investigation Committee on the Inflation of price of Mower by the Direct of Works, Osun State University (2020).
- gg. Chairman, Investigation Committee on Discrepancies in Results from College of Management & Social Sciences, Okuku (2021)
- hh. Deputy Vice Chancellor, Administration & Development (June 16, 2021 – June 13, 2025)**
- ii. Acting Vice Chancellor (November 04, 2021 – January 03, 2022)**
- jj. Chairman, Project Technical Committee (June 13, 2025 to date)**

ii. Community

- **Chief Imam**, Osun State University, Osogbo.
- **Member**, Infrastructural Development Committee, Ilobu Development Union, Ilobu, Osun State.
- **Chairman**, Research and Documentation Committee, Integrated Water Resources Management (IWRM), State of Osun (2015)
- Supervision of Technical report on Iwo/Osogbo road rehabilitation

- Supervision of Technical report on access road leading to the main campus, Osogbo
- Presentation of Technical Paper at Nigeria Society of Engineers, Osogbo Branch (27th January, 2011)

iii. National :

- **Member**, Council for the Regulation of Engineering in Nigeria (COREN) Accreditation Panel to the Faculty of Engineering, Nnamdi Azikwe University, Awka, Anambra State, March 2018
- **Member**, National University Commission (NUC) Accreditation Panel to the Faculty of Engineering, University of Bauchi, November 2017
- **Member**, National University Commission (NUC) Accreditation Panel to the Faculty of Engineering, University of Abuja, June 2017
- **Member**, Committee of Deans of Engineering and Technology of Nigerian Universities (August, 2015 to date)
- **Member**, Local Organizing Committee (LOC) for Nigerian Meteorological Society (NIMET) for the International Conference on Climate Change and Sustainable Development, December 6-11, 2009 at Osogbo, Nigeria.
- National Youth Service Corps (7th January, 2002 – 6th January, 2003)

iv. International:

- **Reviewer**; British Journal of Science, UK
- **Reviewer**; Journal of Engineering and Environmental Sciences, Osun State University, Osogbo
- **Reviewer**; Journal of Civil Engineering, Ladoke Akintola University of Technology, Ogbomoso, Oyo State.
- **Reviewer**; Reviewer, Annals of Science, Engineering and Technology, Osun State University, Osogbo
- **Reviewer**; Journal of Geology and Mining Research (<http://www.academicjournal.com>)
- **Reviewer**; Journal of Civil Engineering and Construction Technology
- **Reviewer**; Journal of Engineering, Federal University of Technology, Minna (FUTMINNA), Niger State.
- **Reviewer**; Nigerian Journal of Engineering, Ahmadu Bello University, Zaria.
- **Editorial member**; Journal of Civil Engineering, Ladoke Akintola University of Technology, Ogbomoso, Oyo State.

I: COURSES TAUGHT DURING THE CURRENT ACADEMIC SESSION

▪ Undergraduate

Course Code	Course Title	Unit	No. of Lecturers	% Involvement
CVE 405	Soil Mechanics II	02	01	100%
CVE 507	Geotechnical Engineering I	04	01	100%
CVE 514	Geotechnical Engineering II	03	01	100%
CVE 200	SWEP I	02	01	100%
CVE 300	SWEP II	02	01	100%
CVE 400	SIWES	06	01	100%
CVE 501	Final Year Project I	03	01	100%
CVE 502	Final Year Project II	03	01	100%

▪ Postgraduate

CVE 607	Geotechnical Engineering I	03	01	100%
CVE 608	Geotechnical Engineering II	03	01	100%
CVE 703	Advanced Soil Mech & Found Eng	03	01	100%
CVE 723	Geotechnical and Physico- chemical properties of soil	03	01	100%
CVE 727	Site Investigation Lab & Field Studies	03	01	100%
CVE 724	Earth Retaining Structures & Ground Improvement	03	01	100%
CVE 726	Advanced Geotech Analysis and Design	03	01	100%
CVE 728	Rock Mechanics		01	100%

J: GRADUATE STUDENTS SUPERVISION

(1) SALAMI Lukman Olaide (Ph.D.) - (completed)

Topic: Performance Assessment of Combined Waste Polymer-Enhanced Bitumen on Warm Mix Asphaltic Concrete

(2) AMEEN, Ifedolapo (Ph.D.) - (completed)

Topic: Effect of Bamboo Leaf Ash on the Engineering and Microstructural Properties of Stone Dust-Stabilized Lateritic Soil for Pavement Construction

- (3) ADEYEMO Kazeem Adekunle (Ph.D.) -**(completed)**

Topic: Influence of *Cytobacillus firmus* Suspension on the Hydraulic Barrier Performance of Soil underlying Active Municipal Solid Waste Dumpsite

- (4) ADELOWO Tofunmi Caleb EDP/19/20/H0014 (Ph.D.) - (on-going)

Topic: Stabilization and solidification characteristics of Bamboo Leaf Ash treated Heavy metals contaminated lateritic soil

- (5) RAJI, Zhuliqarnain A. (Ph.D.) - (on-going)

Topic: Effect of *Bacillus thuringiensis* on the Hydraulic Barrier Performance of Soil taken from Abandoned Waste Dumpsites within Osun State, Southwestern Nigeria

- (6) ADEYANJU, Daud Olayinka (Ph.D.) - (on-going)

Topic:

- (7) MUTIU, Fawas Adekilekun (Ph.D.) - (on-going)

Topic: Investigation of the Influence of Cement Kiln Dust and Cow Bone Ash on Engineering Properties of Cold Mix Asphalt

- (7) AMEEN, Ifedolapo **(M.Sc) - concluded**

Topic: Stabilization of lateritic soil with Bamboo Leaf Ash Admixed Lime

- (8) RAJI, Zhuliqarnain **(M.Sc) - concluded**

Topic: Effect of diesel engine oil on flexible pavement

- (9) YUSUFF, Ridwan **(M.Sc) -concluded**

Topic: Settlement and Bearing Capacity Analysis of Foundational material of some selected Building in Ibeju Lekki Area of Lagos State

- (10) ADEYANJU, Daud **(M.Sc) -concluded**

Topic: Road Network analysis based on quantitative and qualitative approach

- (11) LAWAL, Olufemi Oladimeji **(M.Sc) -concluded**

Topic: Performance Assessment of Ceramic Tile Waste in Asphalt Mixture

K: PUBLICATIONS.

i Books (authored/co-authored)

- (1) **Bello, A. A.** (2013) "Introductory Soil Mechanics I" Tony Terry Prints, Lagos, Nigeria, ISBN: 978 - 912 - 567 - 5, 1 - 176

ii Books (edited/co-edited)

Nil

iii	Monographs:	Nil
iv	Chapters in books	Nil

v Articles in learned journals

- (2) Agbede, O.A. and **Bello, A.A.** (2005). Optimization Model of Okuku Dam-Reservoir Water supply system. *International Journal of Environmental Issues*. 3(1):193-202. Publisher: Development Universal Consortia, **Nigeria**
- (3) **Bello, A.A.** and Ige, J.A. (2007). Assessment of Okuku Laterites as road construction Materials. *International Journal of Science and Technological Research*. 4(1&2):116-124. Publisher: Development Universal Consortia, **Nigeria**
- (4) **Bello, A.A;** Ige, J.A and Tajudeen, S. (2007).Geotechnical Characterization of Lateritic soils in Parts of Ejigbo Local Government Area Southwestern Nigeria. *LAUTECH journal of Engineering and Technology*. 4(2): 34–38. **Publisher: Faculty of Engineering, LAUTECH, Ogbomoso, Nigeria [Onshore]**
- (5) **Bello, A.A.** (2007).Geotechnical Evaluation of some Lateritic soils as foundation Materials in Ogbomoso North Local Government, Southwestern Nigeria. *Science Focus*. 12(2):70-75. **Publisher: Faculty of Science, LAUTECH, Ogbomoso, Nigeria [Onshore]**
- (6) Mustapha, S; **Bello, A.A** and Dahunsi, B.I.O. (2009). Flexible pavement assessment of Highway in Isokan Local Government Area, Southwestern Nigeria. *Nigerian Journal of Engineering*. 15:97-109. Publisher: **Faculty of Engineering, Ahmadu Bello University, Zaria, Nigeria [Onshore]**
- (7) **Bello, A. A.** and Adegoke, C.W. (2010) ‘Evaluation of Geotechnical Properties Of Ilesha East Southwestern Nigeria’s Lateritic Soils’ Pacific Journal of Science and Technology, **USA** 11(2):617-624. (also online @<http://www.akamaiuniversity.us/PJST.htm>). **Publisher: Akamia University, USA [Offshore]**
- (8) **Bello, A. A.** (2010) ‘Unconfined Compressive Strength of Reddish Brown Tropical Soil’ Lautech Journal of Engineering and Technology. 6(1): 156-164. **Publisher: Faculty of Engineering, LAUTECH, Ogbomoso, Nigeria [Onshore]**
- (9) Osinubi, K. J. and **Bello, A. A.** (2010) ‘Evaluation of Hydraulic conductivity of Abandoned Dumpsite soils for use in waste containment application’ Journal of Engineering Research, Faculty of Engineering, University of Lagos, 15(4):10-35. **Publisher: Faculty of Engineering, UNILAG, Nigeria [Onshore]**

- (10) Osinubi, K.J. and **Bello, A.A.** (2011) 'Soil water characteristics curves for Reddish brown tropical soil' Electronic Journal of Geotech. Engineering. (EJGE), **USA**, 16, Bundle A, pp 1-25. **Publisher: World Wide Web of Geotechnical Engineers, USA [Offshore]**
- (11) **Bello, A.A.** and Osinubi, K.J. (2011) 'Attenuative capacity of compacted abandoned dumpsite soil' Electronic Journal of Geotech. Engineering. (EJGE), **USA**, 16, Bundle A, pp 71-91. **Publisher: World Wide Web of Geotechnical Engineers, USA [Offshore]**
- (12) **Bello, A. A.** (2011) 'Analysis of Shear Strength of Compacted Lateritic Soils' Pacific Journal of Science and Technology, **USA**, 12(1):425-433. (also online @ <http://www.akamaiuniversity.us/PJST.htm>). **Publisher: Akamai University, USA [Offshore]**
- (13) **Bello, A. A.** (2011) 'Influence of Compaction Delay on CBR and UCS of Cement Stabilized Lateritic Soil' Pacific Journal of Science and Technology, **USA**, 12(2):87-98. (also online @ <http://www.akamaiuniversity.us/PJST.htm>)> **Publisher: Akamai University, USA [Offshore]**
- (14) **Bello, A. A.** (2011) 'The use of Standard Proctor for the determination of Shrinkage Properties of Reddish Brown Tropical soil' Leonardo Journal of Science, **Romania** 19(2):51-62. also online @ <http://www.ljsacademicdirect.org>). **Publisher: Academic Direct, Romania [Offshore]**
- (15) **Bello, A. A.** (2012) 'Geotechnical Evaluation of Reddish brown Tropical Soil' Journal of Geotechnical and Geological Engineering, Springer publication, Heidelberg, **Germany**. 30(2):481-498. **Publisher: Springer [Offshore]**
- (16) **Bello, A. A.** (2012) 'Determination of Geotechnical Parameters of some residual soils in Ila Local Government Area as applicable to road design and construction.' Annals of Science, Engineering and Technology. 1(1): 37- 43. **Publisher: College of SET, UNIOSUN, Osogbo, Nigeria [Onshore]**
- (17) **Bello, A. A.** (2012) 'Compatibility of Three compacted Reddish Brown Tropical Soils with Municipal Solid Waste Leachate' Journal of Engineering Research, Faculty of Engineering, University of Lagos, 17(2):23-34. **Publisher, Faculty of Engineering, UNILAG, Nigeria. [Onshore]**
- (18) **Bello, A. A.** (2012) 'Regression Analysis between Properties of Subgrade lateritic soil' Leonardo Journal of Science, **Romania** 21(2):99-108. also online @ <http://www.ljsacademicdirect.org>). **Publisher: Academic Direct, Romania. [Offshore]**

- (19) **Bello, A. A.** (2012) 'Unsaturated hydraulic conductivity of compacted abandoned dumpsite soils' *Annals of Science, Engineering and Technology*. 2(1): 85- 104. **Publisher: College of SET, UNIOSUN, Osogbo, Nigeria [Onshore]**
- (20) **Bello, A. A.** (2013) 'Reliability Assessment of Reddish Brown Tropical Soil as a Liner Material, Geotechnical and Geological Engineering, Springer publication, Heidelberg, Germany. 31(1):35-45. **Publisher: Springer [Offshore]**
- (21) **Bello, A. A.** (2013) 'Hydraulic conductivity of Three Compacted Reddish Brown Tropical Soils, KSCE Journal of Civil Engineering, Geotechnical Engineering, Springer publication, 17(5):939-948. **Publisher: Springer [Offshore]**
- (22) **Bello, A. A. and Alamu, O. J** (2013) 'Reliability Analyses of Abandoned Dumpsite Soil as liner material, *International Journal of Civil Engineering and Applications*, 3(2):49-54 **(India). Publisher: Research India Publication [Offshore]**
- (23) **Bello, A.A. and Adegoke, C. W.** (2013) 'Regression Analysis of Compaction Delay on CBR and UCS of Lime Stabilized Yellowish Brown Lateritic Soil' *Electronic Journal of Geotech. Engineering. (EJGE)*, USA, 18, Bundle P, pp 3301-3314. **Publisher: World Wide Web of Geotechnical Engineers, USA [Offshore]**
- (24) **Bello, A.A. and Adegoke, C. W.** (2013) 'Soil water characteristics curves for Compacted Abandoned Dumpsite Soil' *Electronic Journal of Geotech. Engineering.* *Electronic Journal of Geotech. Engineering. (EJGE)*, USA, 18, Bundle P, pp 3315-3338. **Publisher: World Wide Web of Geotechnical Engineers, USA [Offshore]**
- (25) **Bello, A. A. and Adegoke, C. W.** (2013) 'Geotechnical Characterization of Abandoned Dumpsite Soil, *ARPN Journal of Earth Sciences*, ISSN 2505-403X, Asian Research Publishing Network, 2(3): 90 -100 also online @ <http://www.arpnjournals.com>). **Publisher: Asian Research Publishing Network [Offshore]**
- (26) **Bello, A. A.** (2013) 'Design Parameters for Abandoned Dumpsite Soil as Liner Material' *Leonardo Journal of Science*, **Romania** 23(2):29-40. also online @ <http://www.ljsacademicdirect.org>). **Publisher: Academic Direct, Romania [Offshore]**
- (27) **Bello, A. A., Awogboro, O.S. and Oriaje, A. T.** (2014) 'Influence of Compactive Efforts on Lateritic soil stabilized with Rice Hush Ash. *International Journal of Applied Engineering* 9(21) 9639-9653. **Publisher: Research India Publication, India . (<http://www.ripublication.com>) [Offshore]**
- (28) **Bello, A. A., Ige, J.A. and Ibitoye, G. I.** (2014) 'Geotechnical properties of Lateritic soil stabilized with Cement-Bamboo Leaf Ash Admixtures. *International Journal of Applied*

Engineering Research, 9(21): 9639-9653. **Publisher: Research India Publication, India (<http://www.ripublication.com>) [Offshore]**

- (29) **Bello, A. A., Ige, J.A. and Adebajo, U. A. (2015) ‘Flexible Pavement Assessment of selected Highways in Orolu Local Government South Western Nigeria, British Journal of Applied Science and Technology, 7(1):46-61 DOI: 10, 9734/BJAST/2015/15172 (United Kingdom). Publisher: Science Domain International. [Offshore]**
- (30) **Bello, A. A., Ige, J.A. and Ayodele. H. (2015) ‘Stabilization of Lateritic soil with Cassava Peels Ash, British Journal of Applied Science and Technology, 7(6):642-650 DOI: 10, 9734/BJAST/2015/16120 (United Kingdom) Publisher: Science Domain International. [Offshore]**
- (31) **Bello, A. A. (2015) ‘Acceptable Zone for Reddish Brown Tropical Soil as Liner Material’ Pacific Journal of Science and Technology, USA, 16(1):21-32.(also online @ <http://www.akamaiuniversity.us/PJST.htm>). Publisher: Akamai University, USA [Offshore]**
- (32) **Bello, A. A., and Atilola, A. I. (2015) ‘Flexible Pavement Assessment of selected Highways in Ifelodun Local Government, Ikirun, South Western Nigeria, International Journal of Engineering and Technology, 5(8):475-484 (United Kingdom). Publisher: IJET Publications UK. [Offshore]**
- (33) **Bello, A. A., Olayiwola, J.T. and Awogboro, O.S. (2015) ‘Flexible Pavement Assessment of selected Roads in Ola-Oluwa Local Government, South Western Nigeria,’ Civil and Environmental Research, 7(10):20-24. Publisher: International Institute for Science, Technology and Education (IISTE), USA. [Offshore]**
- (34) **Bello, A. A., Ojelade, A.E and Oriaje, A.T. (2015) ‘Stabilization of soil with Cassava Peel Ash-Lime admixture,’Civil and Environmental Research, 7(11):17-21. Publisher: International Institute for Science, Technology and Education (IISTE), USA. [Offshore]**
- (35) **Bello, A. A., Awogboro, O.S. and Ajamagbiso, O.A. (2016) ‘Flexible Pavement Assessment of selected Roads in Odo-Otin Local Government, South Western Nigeria,’ Journal of Advances in Technology and Engineering Research, 2(3):66-80. Taf Publication, Barcelona, Spain [Offshore]**
- (36) **Abidoye, L. K and Bello, A. A. (2017) ‘Simple dielectric mixing model in the monitoring of CO₂ leakage from geological storage aquifer’ Geophysical Journal International,**

Published by Oxford University Press, 208: 1787-1795. Doi;10.1093/gji/ggw495 [Offshore]

- (37) **Bello, A. A.** and Siyanbola, S (2017) ‘Assessment of Volumetric shrinkage and Hydraulic conductivity of Lateritic soil-Bamboo leaf Ash Admixture as liner materials’NSE Technical Transaction, **Journal of The Nigerian Society of Engineer 52(2):114-124 [Onshore]**
- (38) **Bello, A. A.** and Olaore, G (2017) ‘Geotechnical properties of lateritic soils from Ipetu-Ijesa campus of Osun State University’ UNIOSUN Journal of Sciences. 2(1): 74-83 **Publisher: Osun State University [Onshore]**
- (39) **Bello, A. A.** and Yusuff R. O. (2018) ‘Characterization of Volumetric shrinkage and Hydraulic conductivity of Lateritic soil Corn cob Ash Admixture as liner materials ’ Journal of New Trend in Civil Engineering, 1(1): 32-39 **Publisher: Nigerian Institution of Civil Engineers, Osun Chapter [Onshore]**
- (40) Ishola, K., Olawuyi, O. A., **Bello, A. A.** and Yohanna, P. (2019) ‘Effect of Plantain Peel Ash on Strength Properties of Tropical Red Soil’ Nigerian Research Journal of Engineering and Environmental Sciences, 4(1): 447-459.
- (41) Adeyemo, K. A., Yinusa, G. H. and **Bello, A. A.** (2019) ‘Effect of Compactive Efforts on Hydraulic Conductivity of Black Cotton Soil Treated with Cassava Peel Ash’ UNIOSUN Journal of Engineering and Environmental Sciences, 1(1): 11 – 18 **Publisher: Faculty of Engibeering, Osun State University [Onshore]**
- (42) Ishola, K., Olawuyi, O. A., **Bello, A. A.**,. Etim, R. K., Yohanna, P. and Sani, J. E. (2019) ‘Review of Agricultural waste utilization as improvement additives for residual tropical soils’ Arid Zone Journal of Engineering, Technology and Environment, AZOJETE, 15(3): 733-749. **Publisher: Faculty of Engineering, University of Maiduguri, Nigeria [Onshore]**
- (43) **Bello, A. A.** and A. T. Oriaje. (2019) ‘Evaluation of soil samples in Abeokuta South Local Government Area of Ogun State, South western Nigeria’ Arid Zone Journal of Engineering, Technology and Environment, AZOJETE, 15(4): 733-749. **Publisher: Faculty of Engineering, University of Maiduguri, Nigeria [Onshore]**
- (44) Ameen, I. O., **Bello, A. A.**, Ishola, K and Adeyemo, K. A. (2021) ‘Influence of admixture of Bamboo leaf ash and lime on the Compaction Characteristics of lateritic soil’ LAUTECH Journal of Civil Engineering and Environmental Science, 6(1): 116 - 126 DOI: 10.36108/laujoces/1202.60.0180

- (45) Ishola, K., Olawuyi, O. A., Yohanna, P., **Bello, A. A.**, Sani, R. O. and Akin, O. (2021) 'Reliability Evaluation of Compaction Water Content of Plantain Peel Ash Treated Lateritic Soil' Nigerian Journal of Technological Development, Faculty of Engineering, University of Ilorin, Nigeria.
- (46) Salami L. and **Bello, A. A.** (2021) 'Evaluation of Waste Bottle and Waste Sachet Water performance' Journal of Research Information in Civil Engineering, University of Ilorin, 18 (2): 4339 – 4348
- (47) Adeyemo, K. A., Yunusa, G. A., Ishola, K., **Bello, A. A.**, Adewale, S. A. (2022) 'Cassava Peel Ash Modified Black Cotton Soil as material for Hydraulic Barriers in Municipal Solid Waste Containment Facility' Journal of Cleaner Waste System. 3:1-8, DOI: <https://doi.org/10.1016/j.clwas.2022.100045>. **Elsevier**
- (48) Kareem, M. A., Akintunde, D. O., Adesoye, J. S., Ishola, K., Tijani, I. A., Adebajo, A. U., Thanni, M. O., Oduoye, W. O., Adeyanju, D. O., **Bello, A. A.** (2023) 'Influence of cashew leaf ash as partial replacement for cement in the properties of fresh and hardened concrete' Journal of Cleaner Waste System. 4: 100063, DOI: <https://doi.org/10.1016/j.clwas.2023..> **Elsevier**
- (49) Kareem, M. A., Adebayo, A. O., Adeosun, J. O., Akinwusi, A. I., Orogade, A. S., Ayanlere, A. S., Adebaw, A. A. Obadare, G. O., Ishola, K., **Bello, A. A.** (2023) 'Characteristics of interlocking paving blocks made with cashew leaf ash as partial replacement for cement' Journal of Materials Today: Proceedings, 86: 121 – 127.
<https://doi.org/10.1016/i.matpr.2023.04.294>. **Elsevier**
- (50) Ameen, I. O., Kareem, M. A., Tijani, M. A., Salami, L. O., **Bello, A. A.**, (2023) 'Effect of West African Standard Compactive Energy on Stone dust stabilized of lateritic soil' Adeleke University Journal of Engineering and Technology, 6(1): 215-221
- (51) Salami, L. O., Kareem, M. A., Tijani, M. A., Ameen, I. O., **Bello, A. A.**, (2023) 'Performance Investigation of Combined Waste Polymer Modified Hot Bitumen Mix' Adeleke University Journal of Engineering and Technology, 6(1): 151-159
- (52) Salami, L. O., Tijani, M. A., Kareem, M. A., Ameen, I. O., **Bello, A. A.**, (2023) 'Marshall Properties of Warm Mix Asphaltic Concrete Incorporating various Properties of sasobit Additive' UI Journal of Civil Engineering and Technology, 5(1): 1 – 7
- (53) Adeyemo, K. A. and **Bello, A. A.** (2024) 'Hydraulic barrier properties of soil beneath Egbedi active municipal solid waste dumpsite' Hybrid Advances, 6: 100241.
<https://doi.org/10.1016/j.hybadv.2024.100241>. **Elsevier**

- (54) **Bello, A. A.** and Yusuff, R. O. (2025). Evaluation of Settlement and Bearing capacity of Three selected Buildings in Ibeju Lekki, Lagos , UNIOSUN Journal of Engineering and Environmental Science, 7 (1): 93 – 101.<https://doi.org/10.36108/ujees/5202.70.0190>
- (55) Ameen, I. O., Kareem, M. A., Ishola, K., Olawuyi, O. A., Adeyemo, K. A., **Bello, A. A.**, (2026). An appraisal of lateritic soil modified with lime and bamboo leaf ash as hydraulic barrier. Discover Civil Engineering 1 (94); 1-17. (**Springer Nature**)
- (56) Ameen, I. O., Salami, L. O., Adeyemo, K. A., Tijani, M. A., **Bello, A. A.**, (2024). Effect of Compaction energies on geotechnical properties of stone dust stabilized lateritic soil. Discover Civil Engineering 3 (132); 1-26. <https://doi.org/10.1007/s44290-024-00139-y>. (**Springer Nature**)

vi Review Articles

Nil

vii Refereed Conference Proceedings

- (57) Osinubi, K. J. and **Bello, A. A.** (2009) ‘Assessment of hydraulic conductivity of abandoned dumpsite soil.’ ‘The Role of Engineering and Technology in achieving vision 20:2020 (RETAV 2009)’ First National Conference of the Faculty of Technology, Obafemi Awolowo University, Ile-Ife (17th – 19th, November 2009).
- (58) **Bello, A. A.** (2010) ‘Unconfined Compressive Strength of Reddish brown Tropical Soil.’ The Role of Engineering and Technology Research in the Realization of the MDG’s Proc. 1st International Conference on Engineering and Technology Research, Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Nigeria (28th-30, September 2010)
- (59) **Bello, A. A.** (2010) ‘Attenuative capacity of abandoned dumpsite soil’ Materials in Clean Technologies Development 9th Annual Congress, Material Society of Nigeria Conference, Universal Hotel, Enugu (23rd- 26th November, 2010)
- (60) **Bello, A. A.** and Osinubi, K. J. (2013). “Influence of compactive efforts on lateritic soil stabilized with bamboo leaf ash.” *The Twenty – Eighth International Conference on Solid Waste Technology and Management CD-ROM*, 10 – 13 March, Philadelphia, PA, U.S.A. Session 7D: Ash Utilization and Treatment, pp. 1261 - 1276.
- (61) **Bello, A. A.** and Olawale, G.O. (2013) ‘Influence of compactive efforts on Lateritic soil with Rice Husk Ash and Cement.’ *Proceedings of the 11th National Civil Engineering*

Conference, Garden City 2013: Enhancing National Economic Growth Through Sustainable Civil Engineering Infrastructures, 6 – 8 November, Viontel hotel, Port Harcourt, River State, Nigeria, pp. 32 – 42.

- (62) **Bello, A. A.**, Akinyemi, J., Ishola, K. and Adeyemo, K. (2018) ‘Influence of compaction delay on CBR and UCS of a Lateritic soil stabilized with Corn Cob Ash and Cement.’ *Proceedings of the International Conference of College of Engineering, Federal University of Agriculture, Abeokuta (COLENG, 2018): Stem: A driving Force for sustainable development*, 14 – 17 May, Abeokuta, Ogun State, Nigeria, pp. 388 – 395.
- (63) **Bello, A. A.**, Raji, O. I and Ameen, I. O. (2019) ‘Assessment of Volumetric shrinkage and Hydraulic conductivity of lateritic soil stabilized – cow bone ash admixture as liner materials’ *Proceedings of 1st International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo*: Theme: advancing Technology and Environmental Issues: Challenges and Sustainable Solutions, 5 – 7 November, Osogbo, Osun State, Nigeria, pp. 63 – 74.
- (64) **Bello, A. A.**, Oriaje, A. T. and Raji, Z. A. (2019) ‘Influence of compaction energies on soil samples from Abeokuta- South Local Government Area of Ogun State’ *Proceedings of 1st International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo*: Theme: advancing Technology and Environmental Issues: Challenges and Sustainable Solutions, 5 – 7 November, Osogbo, Osun State, Nigeria, pp. 95 - 107.
- (65) Ameen, I. O., **Bello, A. A.** and Oluwasola, E. A. (2021) ‘Effect of plasticity and British Light Compactive Effort on lateritic soil stabilized with bamboo leaf ash admixed with lime’ *Proceedings of 2nd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo*: Theme: Re - Thinking Engineering and Technology for Environmental sustainability in the face of Global Pandemic, 23 - 25 November, Osogbo, Osun State, Nigeria, pp. 28 - 38.
- (66) Salami, L. O. and **Bello, A. A.** (2021) ‘Engineering properties of warm mix asphalt modified with waste plastic bottle and sachet water: A review’ *Proceedings of 2nd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo*: Theme: Re - Thinking Engineering and Technology for Environmental sustainability in the face of Global Pandemic, 23 - 25 November, Osogbo, Osun State, Nigeria, pp. 1 - 9.

- (67) Adeyemo, K. A., Ishola, K., **Bello, A. A.**, Adewale, S. A. (2021). The application of green Technologies in compacted soils used for municipal waste containment: a review' *Proceedings of 2nd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo:* Theme: Re - Thinking Engineering and Technology for Environmental sustainability in the face of Global Pandemic, 23 - 25 November, Osogbo, Osun State, Nigeria, pp. 324 - 332.
- (68) Adeyanju, D. O., Busari, A. A. and **Bello, A. A.** (2021). Review of Road Network analysis based on quantitative and qualitative approach' *Proceedings of 2nd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo:* Theme: Re - Thinking Engineering and Technology for Environmental sustainability in the face of Global Pandemic, 23 - 25 November, Osogbo, Osun State, Nigeria, pp. 479 – 483
- (69) Adelowo, T.C. and **Bello, A. A.** (2021) 'Review of stabilization and solidification characteristics of agricultural waste ash treated heavy metals contaminated lateritic soil' *Proceedings of 2nd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo:* Theme: Re - Thinking Engineering and Technology for Environmental sustainability in the face of Global Pandemic, 23 - 25 November, Osogbo, Osun State, Nigeria, pp. 529 - 538.
- (70) Ameen, I. O, Salami, L. O. and **Bello, A. A.** (2024) 'Effect of Stone dust as a stabilizer on Plasticity and Compaction Characteristics of Lateritic soil in Pavement Construction.' *Proceedings of 3rd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo,* Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 142-151.
- (71) Salami, L. O., Akinleye, M. T., Salami, M. O., Fasasi-Aleshinloye, A. O., **Bello, A. A.**, Abu, V. A., and Ajibola, D. O. (2024). Assessing the Efficacy of Crumb Rubber as a Filler in Asphaltic Concrete. *3rd International Conference on Engineering and Environmental Sciences (ICEES), Osun State University, Osogbo, Nigeria.* Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 525 - 535.
- (72) Adeyemo, K. A., Ishola, K., **Bello, A. A.**, Oriaje, T. A., and Ameen, I. O. (2024) 'Investigating the Hydraulic Barrier Properties of Compacted Lateritic Soil Treated with Sorghum Husk Ash.' *Proceedings of 3rd International Conference on Engineering and*

- Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo, Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 261-271.*
- (73) Mutiu, F. A., Fadipe, O. O., Kareem, M. A., and **Bello, A. A.** (2024) 'Accident Severity and Vulnerability Assessment of Osogbo-Gbongan Road, Osun State, Nigeria.' *Proceedings of 3rd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo, Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 223-232.*
- (74) Adelowo, T. C. and **Bello, A. A.** (2024) 'Investigation on Stabilization Characteristics of Heavy Metals Contaminated Lateritic Soil for Hydraulic Barrier Applications.' *Proceedings of 3rd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo, Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 272-284.*
- (75) Oyeniyi, W. O., **Bello, A. A.**, Kareem, M. A., and Oyewusi, T. F. (2024) 'Effect of Calcined Cow Bone on Geotechnical Properties of Lateritic Soil using British Standard Light.' *Proceedings of 3rd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo, Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 421-433.*
- (76) Adeyanju, D. O., Busari, A. A., and **Bello, A. A.** (2024) 'Operational Characterization of Road Networks of Osogbo Metropolitan City, South-Western Nigeria.' *Proceedings of 3rd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo, Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 480-486.*
- (77) Raji, Z. A., **Bello, A. A.**, Mohammed, H., Ishola, K., Kareem, M. A and Adeyemo, K. A. (2024) 'Influence of British Standard Light Compaction Energy on Lateritic Soil Stabilized with Coal Bottom Ash.' *Proceedings of 3rd International Conference on Engineering and Environmental Sciences, Faculty of Engineering and Environmental Sciences, Osun State University, Osogbo, Theme: Innovative Technology for Resource Utilization and Environmental Sustainability. 25th to 28th November. pp. 487- 496.*

viii. Un-refereed Conference Proceedings

ix. Book Reviews

x. Technical Reports

- (1) **Bello, A. A.** (2000). 'Causes of Road Failure (A case study of Takie/Lautech road)' Department of Civil Engineering, LAUTECH, Ogbomoso, Oyo State.
- (2) **Bello, A. A.** (2004). 'Optimization of Opa dam' Department of Civil Engineering, University of Ibadan, Ibadan, Oyo State.
- (3) **Bello, A. A.** (2004). 'Causes, effects and solutions to road collapse (A case study of University of Ibadan)' Department of Civil Engineering, University of Ibadan, Ibadan, Oyo State.
- (4) **Bello, A. A.** (2005). 'Geotechnical Analysis of Southwestern soils' Department of Civil Engineering, University of Ibadan, Ibadan, Oyo State.
- (5) **Bello, A. A.** (2007) 'Report on Experience in the Engineering Field. Technical Report submitted to Nigerian Society of Engineers.
- (6) **Bello, A. A.** (2008) 'Report on Experience in the Engineering Field. Technical Report submitted to Council for the Regulation of Engineering in Nigeria.
- (7) **Bello, A. A.** (2011). 'The Use of lateritic soil as Hydraulic barrier' Paper presented at Monthly meeting of Nigeria Society of Nigeria, Osogbo Branch.
- (8) **Bello, A. A.** (2013). 'The siting of Sanitation Facilities' Paper presented at Training Workshop organized by College of Science, Engineering and Technology for Rural Water and Environmental Sanitation (RUWAESA) Staff on 13th March, 2013.

(xi) Patents and Inventions (**on-going**)

(xii) Online journal articles (for journal with no hard copies only):

L: CURRENT RESEARCH ACTIVITIES

(i) Funded Research

Investigating the Engineering Properties of Sachet Water Waste Modified Bitumen
(Tertiary Education Trust Fund, Federal Government of Nigeria)

(ii) Non-funded/self-sponsored Research

(1) Investigation into Index Properties of UNIOSUN, Osogbo Campus Soil.

(2) Stabilization of UNIOSUN, Osogbo Campus Soil with Rice Husk Ash-lime admixture

- (3) Reliability Analysis of Hydraulic conductivity of Tropical Soil
- (4) Stabilization of UNIOSUN, Osogbo Campus Soil with Bamboo leaf Ash-lime admixture
- (5) Regression Analysis for Tropical Red Soil

M: CONFERENCES ATTENDED

- A 3-day Refresher Course for Prospective Corporate members Organized by Nigerian Society of Engineers (23rd - 25th August, 2006)
- ‘The Role of Engineering and Technology in achieving vision 20:2020 (RETAV 2009)’ First National Conference of the Faculty of Technology, Obafemi Awolowo University, Ile-Ife (17th – 19th, November 2009).

Paper Presented: Assessment of hydraulic conductivity of abandoned dumpsite soil

- International Conference on Climate Change and Sustainable Development, Nigerian Meteorological Society (NIMET), Osun State University, Osogbo, Nigeria (6th-11, December 2009)
- The Role of Engineering and Technology Research in the Realization of the MDG’s Proc. 1st International Conference on Engineering and Technology Research, Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Nigeria (28th- 30, September 2010)

Paper Presented: Unconfined Compressive Strength of Reddish brown Tropical Soil

- Materials in Clean Technologies Development 9th Annual Congress, Material Society of Nigeria Conference, Universal Hotel, Enugu (23rd- 26th November, 2010)

Paper Presented: Attenuative capacity of abandoned dumpsite soil

- Conference on Science, Engineering and Technology for Enhanced National Production and Development: Going Beyond Theories, University Multipurpose Auditorium, Osun State University, Main Campus, Osogbo (15th – 18th March, 2011)

Papers Presented:

- a. Induced Volumetric Shrinkage of Compacted Reddish Brown Tropical Soil
- b. Hydraulic Conductivity of Compacted Reddish Brown Tropical Soil
- c. Comparative Analysis of Long Term Permeability Methods
- 15th African Regional Conference on Soil Mechanics and Geotechnical Engineering, Resource and Infrastructure Geotechnics in Africa: Putting Theory into

Practice Edited by Carlos Quadros and S. W.Jacobsz, Maputo , Mozambique , 15 – 18 July, 2011.

Papers Presented:

Characterization of strength of abandoned dumpsite soils, Orita-Aperin , Nigeria

- 21st COREN Engineering Assembly: Engineering Capacity Integrity and National Transformation, International Conference Centre, Abuja (4th – 5th September, 2012)
- 10th National Institution of Civil Engineers Conference, Delightsome Hotel, Osogbo, Osun State (8th – 10th November, 2012)

Paper presented: Influence of compactive efforts on lateritic soil stabilized with Rice husk ash

- International Conference on Sustainable Innovative Techniques In Civil and Environmental Engineering (SITCEE - 2013), Jawaharlal Nehru University (JNU), New Delhi, Indian (5th – 6th, June, 2013)

Paper presented: Reliability analysis of abandoned dumpsite soil as liners material

- 4th International Conference on Manufacturing Science and Technology (ICMST, 2013), Grand Flora Hotel, Dubai, United Arab Emirates (3rd and 5th of August, 2013).
- The Twenty-Sixth International Conference on Solid Waste Technology and Management, CD-ROM, 27-30 March, Philadelphia, U. S. A., 2013

Paper presented:

Compatibility of abandoned dumpsite soils with municipal solid waste leachate.

- 22nd COREN Engineering Assembly: Engineering Capacity Integrity and National Transformation, International Conference Centre, Abuja (4th – 5th September, 2013)
- 12th National Civil Engineering Conference/Annual General Meeting, EKO 2014, Westown Hotel, Ikeja Lagos (29th-31st,October, 2014)
- 24th COREN Engineering Assembly: Engineering Capacity Integrity and National Transformation, International Conference Centre, Abuja (23th – 25th July, 2015)
- 6th Regional Conference of Vice-Chancellors, Provosts and Deans of Engineering and Technology (COVIDSET, 2015), Nike Lake Resort, Enugu State, Nigeria (October, 4-7).

- Workshop of Integrated Water Resources Management Committee (IWRMC), State of Osun, Foundation Hotel, Ilesha, Osun State (October, 12-14, 2015)
- Technology and Entrepreneurship as tools for Economic Advancement, Proc. 4th International Conference on Engineering and Technology Research, Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Nigeria (23rd – 25th, February, 2016)

Paper presented:

Partial replacement of coarse aggregate in concrete using waste glass

- 11th International Conference on Engineering and Technology, Computer, Basic & Applied Sciences (ECBA – 2016), Grand Flora Hotel, Dubai, United Arab Emirates (6th and 7th of May, 2016).

Paper presented:

Assessment of flexible pavement of selected highways in Odo- Otin Local Government Area, Southwestern, Nigeria.

- International Conference of College of Engineering, Federal University of Agriculture, Abeokuta (COLENG, 2018): Stem: A driving Force for sustainable development, 14 – 17 May, Abeokuta, Ogun State, Nigeria, pp. 388 – 395.

Paper presented

Influence of compaction energies on soil samples from Abeokuta – South Local Government Area of Ogun State, Southwestern Nigeria.

Paper presented:

Influence of compaction delay on CBR and UCS of a Lateritic soil stabilized with Corn Cob Ash and Cement.

- 1st International Conference on Engineering and Environmental Sciences (ICEES, 2019: Advancing Technology and Environmental Burdens (Challenges and Sustainable Solutions) 5 - 7 November, Osun State University, Osun State, Nigeria.

Papers presented:

Assessment of Volumetric shrinkage and Hydraulic conductivity of laterite stabilized – cowbone ash admixture as liner materials.

- Retreat for Principal Officers, Provost, Deans, Directors and Head of Departments/Units held at MicCom Golf Hotels and Resort, Ada (18th -21st August, 2021) by Osun State University.
- Retreat for Principal Officers held at MicCom Golf Hotels and Resort, Ada (11th -14th May, 2022) by Osun State University.
- 14th WARIMA Annual Workshop & Conference, Sir Dawda kairaba Jawara International Conference Center, Bijilo, Gambia 16th -18th , 2023.
- 8th Conference and 10th Annual General Meeting of Association of West African universities (AWAU), Sir Dawda kairaba Jawara International Conference Center, Bijilo, Gambia 18th – 22nd , 2023.

N: EXTRA-CURRICULAR ACTIVITIES

Reading, Browsing and Praying

O: ANY OTHER RELEVANT INFORMATION

Hobby: Reading, Browsing and Praying

P: SUMMARY OF CONTRIBUTION TO KNOWLEDGE

My Major research focus is Geotechnical and geo-environmental Engineering. I have been able to provide baseline data on the geotechnical and engineering properties of abandoned dumpsite and lateritic soils which could make them useful hydraulic barriers in waste containment structures. I have also been able to utilize primary pozzollans and agricultural wastes for improvement of expansive (shrink- swell) and non-expansive soils. As at now, I have documented baseline data on geotechnical properties of major Highways in Osun State, South western Nigeria (Papers 1- 51).

I have been able to extensively determine and characterize the geotechnical properties of lateritic soil of major towns in Osun and Oyo state for foundational materials of buildings and highways (see papers 2, 3, 5, 6, 10, 14, 16, 27, 30, 31, 33 and 36). These greatly assist to enable development of infrastructure which can only be made in an intelligent and satisfactory manner unless the designer has at least a reasonable and accurate conception of the physical properties. The complexity nature of soil as a result of its anisotropic and heterogeneity nature of lateritic soils have been addressed using in-situ and laboratory investigations (see papers 1, 7, 8, 9, 12, 13, 23, 34, 39, 44, 45, 47 and 51). Procedures to improving them if they are found deficient, as well as the types of structures that could be built on such with minimal foundation problems have been provided for in my research findings (see papers 11, 21, 24, 38, 39 and 40).

My research findings have gone a long way to provide solutions to problematic and expansive lateritic soils with the use of various agricultural wastes (Rice husk ash, bamboo leaf ash, cassava peel ash, corn cub ash and wood waste ash) with and without the primary pozzollans (see papers 25, 26, 28, 32, 35, 37, 38, 39 - 50). This has assisted in turning waste to wealth and having a more hygienic and environmentally safe society (see papers 15, 17, 18, 19, 20, 22, 29).



Engr. Prof. BELLO, Afeez Adefemi.
Professor of Civil Engineering (Geotechnical and Geo-environmental Engineering)
Osun State University, Osogbo

Date: June 20, 2025