

## CURRICULUM VITAE

1. Name : Thomas Stephen IJIMDIYA
2. P. No. P17,372
3. Department: Civil Engineering
4. Date and Place of Birth: January 3<sup>rd</sup>, 1971, Shuwa  
Adamawa State.
5. State of Origin: Adamawa
6. Local Government Area: Madagali
7. Nationality: Nigerian
8. Marital Status: Married
9. Gender: Male
10. International Languages Spoken: English and French
11. Current Contact Address Dept. of Civil Engineering  
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12. Permanent home address: No. 12, Igbo Road , Off  
Necco Junction, Mando, Kaduna,  
Nigeria.
13. Date of First Appointment with the University: 18<sup>th</sup> August 2002 .
14. Date of Last Promotion: 1<sup>st</sup> Jan. 2015
15. Date of Confirmation: 25<sup>th</sup> September, 2006
16. Present Rank and Salary: Reader, CONUASS 6/5
17. Telephone Number/(GSM): +2348035866860/

18. **Qualifications, Educational Institutions from where obtained and dates**

Ph.D (Civil)	Ahmadu Bello University, Zaria, Nigeria.	2010
M. Sc. (Civil)	Ahmadu Bello University, Zaria, Nigeria.	2006
B. Eng. (Civil)	Ahmadu Bello University, Zaria, Nigeria.	1997
WAEC	Government College, Kaduna,	1989
First School Leaving Cert.	L. E. A. Primary School, Kawo, Kaduna	1983

19. **Additional Education/qualifications with addresses and dates:**

- a. Certified Management Specialist with Distinction in Time Management, London Graduate School, Central London (2019)
- b. Certificate in AutoCAD 2007 Essentials (Issued by Autodesk, USA) at the Authorized Training Centre, Lagos. (2006)
- c. Certificate in Autodesk Civil 3D 2007 Essentials (Issued by Autodesk, USA) at the Authorized Training Centre, Lagos. (2006).
- d. Certificate in Autodesk Map 3D 2007 Essentials (Issued by Autodesk, USA) at the Authorized Training Centre, Lagos. (2006).

20. **Working Experience with dates:**

- i. Ahmadu Bello University, Zaria - 2015 – Date (Reader)
- ii. Ahmadu Bello University, Zaria - 2012–2015(Senior Lecturer)
- iii. Ahmadu Bello University, Zaria - 2009 – 2012 (Lecturer I)
- iv. Ahmadu Bello University, Zaria - 2006 – 2009 (Lecturer II)
- v. Ahmadu Bello University, Zaria - 2002 – 2006 (Asst. Lecturer)

- vi. Visiting Lecturing: - 2015 –Date (Nigerian Defence Academy, Kaduna)
- vii. Sabbatical Appointment - 2014 – 2015 (Nigerian Defence Academy, Kaduna)
- viii. Gauff Consultants Limited, Kaduna State - 2002 (June - Sept.) *CAD Engineer*
- ix. Samaila Consultants Limited, Kaduna State - 1999 – 2002 (*Civil Engineer*)

21. **Teaching Experiences with dates:**

a. **Undergraduate Teaching:**

*Ahmadu Bello University, Zaria*

- i. CVEN 321 - Soil Mechanics 2006 - 2010
- ii. CVEN 322 - Geology for Engineers 2006 - 2017
- iii. CVEN 441 - Computer Methods 2002 – 2017
- iv. CVEN351 – Aspects of Civil Engineering 2012 – 2015
- v. CVEN 306 - Design of Reinforced Concrete 2012 - 2014
- vi. CVEN 521 – Design of Soil Structures 2018 - Date

*Nigerian Defence Academy, Kaduna*

- i. CVL 315 – Highway and Transportation I 2015 - Date
- ii. CVL 356 – Computer Application in Civil Engineering 2014 - 2015
- iii. CVL325 – Highway and Transportation II 2015 - Date
- iv. CVL 419 – Highway and Transportation III 2015 - Date
- v. CVL 442 – Airfield Planning and Design 2015 - Date

b. **Postgraduate Courses:**

*Ahmadu Bello University, Zaria*

- i. CVEN 832 - Earth Pressures and Retaining Structures - 2009 - 2017
- ii. CVEN 835 - Lateritic Soils and other Problem Soils of Africa - 2009 -2015
- iii. CVEN 814 - Airport Design - 2009-2012
- iv. CVEN 805- Advanced Soil Mechanics - 2018
- v. CVEN 901 – Research Methodology - 2017- Date

- vi. CVEN 836/930 – Environmental Geotechnics - 2018
- vii. CVEN 933 - Special topics in Geotechnical/Geo-environmental Engineering, 2018
- viii. CVEN 934 – Waste Containment Facilities, - 2018
- ix. CVEN 937 – Contaminant Transport - 2018
- x. CVEN 830 – Advance Foundation Engineering - 2018

c. **Postgraduate Supervision**

*Ph. D – Supervision*

*Completed*

- 1. Evaluation of Bagasse ash treated foundry sand for waste containment applications by George Moses (PhD/Eng/10731/2007 – 2008). May, 2012. Completed
- 2. Evaluation of waste wood treated lateritic soil for use in waste containment application, Oluremi Johnson Rotimi, PhD/ENG/1628/2009-2010. Completed
- 3. Salahudeen, Bunyamin Anigilaje (P13EGCV9003) Prediction of Foundation Settlement Based On Standard Penetration Test Results Using Empirical Methods And Numerical Modelling. Completed
- 4. Evaluation of Bagasse ash treated foundry sand admixed with bentonite for use in waste containment by Ramota Adebisi Osim. Completed
- 5. Joshua Ochepo (PhD/Eng/04143/2008-09) Performance evaluation of compacted waste foundry sand treated with rice husk ash - bentonite blend as barrier in waste containment application. Completed

*On-going*

- 6. Sani John Engbonye (PhD/Eng/33163/2012 - 2013) Microbial - induced improvement of lateritic soil for use in waste containment systems. On-going
- 7. Abubakar Dakingari Muhammad (P14GECV9005) Assessment of available gypsum in Nigeria suitable for cement production. On-going
- 8. Montang, Godfrey Bala (P15EGCV9010) The Effect Of Microbial Flora (*Sporosarcina Pasteurii*) On The Properties Of Concrete Under Different Temperatures. On-going

9. Emmanuel Wadzani Gadzama (P14EGCV9004) Evaluation Of Compacted Silty Sand Treated With (*Sporocarsina Pasteurii*) For Use As A Hydraulic Barrier Material In Municipal Solid Waste Containment Application. On-going
10. Paul Yohanna (P15EGCV9006) Evaluation Of Silty Soil Treated With *Bacillus Coagulan* In Bio-Cementation For Use As A Hydraulic Barrier In Municipal Solid Waste Containment Application. On-going
11. Roland Kufre Etim (P16EGCV9011) Suitability Of Using *Bacillus Megaterium* In Bio – Improvement Of Compacted Lateritic Soil For Use In waste Containment Facilities. On-going
12. The use of biological calcite precipitation technique in improving geotechnical properties of laterite soil for use in municipal solid waste containment application, Kanyi Ianna Moris, P17EGCV9007. On-going

***M.Sc. – Supervision***

***Completed***

1. Stabilization of lateritic soil with iron ore tailing by Yisa, Godwin Lazhi (MSc/ENG/0204/2009 – 2010). Completed
2. Stabilization of black cotton soil with iron ore tailing by Samadou Jaharou (MSc/ENG/2128/2009 – 2010). Completed
3. Modification of lateritic soil with iron ore tailing by Kazeem Ishola (MSc/ENG/2009 – 2010). Completed
4. Iron ore modification of black cotton soil by Atiku Muhammad Muhammad (MSc/ENG/08544/2008 – 2009). Completed
5. Optimum Design of Reinforced Concrete Foundations using Finite Element Analysis. (MSc/ENG/706/2010 – 2011). Completed
6. Buki John Manya (MSc/ENG/3907/2011-2012). Iron ore tailing modification of black cotton soil. Completed
7. Abdulmumin Tanko (M.Sc/ENG/41820/2012-13) Effect of inclusion of randomly oriented sisal fibre on the properties of lateritic soil. Completed
8. Inusa Lawal (P13EGCV8015) Evaluation of plantain peels ash as an admixture on the strength of cement. Completed

9. Christopher Nora Tinam Turu (P13EGCV8019) The use of locust bean waste ash as partial replacement of cement in asphalt concrete. Completed
10. Temitope Igboro (M.Sc/ENG/21190/2013-2014) Waste wood ash stabilization of black cotton soil. Completed
11. Bakare, Silifat M. (P13EGCV8004) The partial replacement of cement filler with ceramic waste in asphalt concrete. Completed

***On-going***

12. Abdul-Basit Sa'eed Ahmad (M.Sc/ENG/22525/2012-13) Effect of elapsed time after mixing on the properties of cement - iron ore tailing stabilized lateritic soil. On-going.
13. Iliyasu Ibrahim (P13EGCV8013) Oil palm fruit mesocarp fibre ash stabilization of lateritic soil. On-going
14. Igbokwe Charles Ihemelandu (M.Sc/ENG/43128/2012-2013) Stabilization of black cotton soil with cement-iron ore tailing blend. On-going
15. Alfa, Mohammed Baba (P14EGCV8023), A comparative study of some properties of lateritic soil treated with unprocessed and processed bentonite used as waste containment barrier. On-going
16. Bala Uba Jidere (P15EGCV8006). The Effects of Elapsed Time On The Geotechnical Properties Of Cement-Bagasse Ash Stabilized Black Cotton Soil. On-going
17. Egwa, Adah Egwa (P13EGCV8035). Potential Use Of Cement Locust Bean Waste Ash Blend For Latecrete Blocks Production. On-going
18. John Godwin (P15EGCV8055) Stabilization Of Black Cotton Soil With *Bacillus Pumilus* For Use As Pavement Construction Material. On-going
19. Mannir Ibrahim (P15EGCV8020) Lateritic Soil Stabilization Using *Sporosarcina Pasteurii* For Use In Road Subgrade. On-going
20. Alhassan, Musa Kurgwi (P15EGCV8053) Bioremediation And Biocementation Of Crude Oil Contaminated Soil Using *Bacillus Cereus* For Use In Engineering Applications. On-going
21. Muritala Wakeel yemi (P15EGCV8010) Numerical Modelling Of Pile Foundation Bearing Capacity And Settlement In Lagos State. On-going

d. **Internal Examiner: Postgraduate Examination**

1. Effect of locust bean waste ash on lime modified black cotton soil, Msc thesis by Ovrume, Ufoma Bernard, 2011.
2. Effect of locust bean waste ash on cement modified black cotton soil, Msc thesis by Baba Salawu, 2011.
3. Locust bean waste ash stabilization of black cotton soil using cement kiln dust as an activator, Msc thesis by Sani, John Engbonye, 2012.
4. Locust bean waste ash modification of black cotton soil using cement kiln dust as an activator, Msc thesis by Azige, Polycarp, 2012.
5. The use of periwinkle shell dust as mineral filler in asphalt mixture, Msc thesis by Okuchuku, Kenth Gabriel, 2012.
6. Flexural strength of reinforced latecrete beams, Msc thesis by Samson Imoni, 2012.
7. Characterization of rubber-concrete and mortar, Msc thesis by Mukaila Yinka Sanni, 2013.
8. Properties of Iron Ore Tailing concrete and mortar, Msc thesis by Terry Ikande Ugama, 2013.
9. Compressive Strength of concrete and mortar containing ashes as partial replacement for cement, Msc thesis by Amamat Oluwatoyin Adeyemi, 2014
10. Reuse of waste polythene water sachet as fibre in the production of concrete, Msc thesis by Ebenezer Taiye Laraiyetan, 2014
11. Eurocode 5 - based Reliability Analysis of Axially Loaded Solid Slender Timber Columns using selected Nigerian Timber Specie, Msc Thesis by Abubakar Mamman, 2014.
12. Development of a High - Order Multivariate Fuzzy - Time Series Forecasting Model for Mobile Communication Systems, PhD dissertation by Sani Man- Yahaya, 2014.
13. Suitability of Some Common Nigerian Timber Species for use as Simply Supported Bridge Beams using Eurocode, An MSc dissertation by Ibrahim Mohammed Adamu, 2014
14. Development of Information Sharing Cross - Layer Queuing Model for Prediction of Packet Loss Rate in a Wireless Campus Area Network (A case study of Ahmadu Bello University, Campus Network), PhD Thesis
15. Reliability Analysis of Prestressed Concrete Beams, MSc dissertation by Hadiza Ibrahim Hamidu
16. Stochastic section Modulus requirement for carbon fibre reinforced plastic pultruded beams, An MSc dissertation by Bulus Bzigu, 2015

17. A Framework for rural roads accessibility planning, An MSc dissertation by Asma'u Hamdana Kankia, 2015.
  18. Using iron ore tailing as partial replacement of fine aggregate in asphalt concrete production, An MSc dissertation by Ezekiel Adamu, 2015.
- g. **Observer at Postgraduate Examination**
1. Yusuf Barde Gognaje (MSc/Env-des/5124/2009-2010), Evaluation of Project Risk and Contingency Sum for Buildings in Nigeria, an MSc dissertation, department of Building, Ahmadu Bello University, Zaria.
  2. Nasiru Isaac Demide (MSc/Env-Des/8358/2009-2010), Analytical and Approximate Variance of Public and Residential Buildings' Total Cost Estimation, an MSc dissertation, department of Building, Ahmadu Bello University, Zaria.
  3. Garba Yunana Yusuf (MSc/Env-Des/15969/2011-2012), An Assessment of the effects of Abandoned Building Projects on the Neighbourhoods of Abuja, Nigeria. an MSc dissertation, department of Building, Ahmadu Bello University, Zaria.
22. **Research/Extension Experience with dates:**
- i. Soil improvement by inclusion of additives (2006 - Date)
  - ii. Waste utilization (2006 – Date)
  - iii. Geo-environmental problems (2009 – Date)
  - iv. Use of black cotton soil as road subgrades and as liners in waste containment systems (2006 – Date)
  - v. Chemical treatment of oil contaminated soils (2007 – Date)
  - vi. Reuse of oil contaminated soils (2007 – Date)
  - vii. Bio-remediation of petroleum contaminated soils (2010 – Date)
  - viii. Microbial Induced bio-cementation of deficient soils for engineering use in landfill liners and covers (2015)
23. **Routine Administrative Duties with dates:**
- i. Departmental Assistant Examinations Officer (2002 - 2005)

- ii. Departmental Officer in charge of computers/Internet Matters (2002- Date)
- iii. Departmental Examinations Officer (2005-2008)
- iv. Departmental Students Welfare Officer (2009 - 2010)
- v. Departmental Time Table Officer (2009 – 2010)
- vi. Departmental Staff Welfare Officer (2010 – 2011)
- vii. Faculty Representative on Centre for Energy Research and Training (2010 - 2012).
- viii. Faculty Examinations Officer (2010 – 2012).
- ix. Faculty Representative on Faculty Board of Environmental Design (2012 – Date).
- x. Departmental Postgraduate Studies Coordinator (2015- 2018).
- xi. Departmental Quality Assurance Officer (2015 - 2018)

24. **Positions Held with dates:**

- i. Faculty Representative on Centre for Energy Research and Training (2010 - 2012).
- ii. Faculty Examinations Officer (2010 – 2012).
- iii. Faculty Representative on Faculty Board of Environmental Design (2012 – Date).
- iv. Departmental Postgraduate Studies Coordinator (2015- 2018).
- v. Departmental Quality Assurance Officer (2015 - 2018)

25. **Professional Service/Honour societies:**

- i. Fellow, Institute of Management Consultants (FIMCABJ.2642.19), (2019)
- ii. Member, Nigerian Society of Engineers (MNSE) 14256 (2004)
- iii. Member, Material Science Technology Society Nigeria (MMSTSN) P/0545 (2006)
- iv. Member, Nigerian Institute of Civil Engineers (MNICE) (2018)
- v. Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN) R 14,897 (2005)
- vi. Member, American Society of Civil Engineers (ASCE), 402556 (2010)
- vii. Member, Institution of Civil Engineers (ICE), 62715156 (2006)

26. **Community services:**

- a. **Nation/State:**
- i. National Youth Service Corps – Intercon Partnership Ltd. On the Rehabilitation of Okene – Akure Road, 1998 – 1999.
  - ii. Renovation of Ishua Akoko Town Hall, Akoko South L.G.A. of Ondo State, NYSC Community development project.
  - iii. Design of Federal Capital Irrigation Master plan, Teamwork Global Associates Ltd. Kaduna.
  - iv. Valuation of works on the Water Supply and Sanitation Sector Reform Programme (WSSSRP), Yobe State, Nigeria.
  - v. Evaluation of Irrigation Infrastructures for rice production in Kebbi, Sokoto and Zamfara States under the Agricultural Transformation Agenda, Tresda Irrigation Ltd. Kaduna.
  - vi. Evaluation of Irrigation Infrastructures for rice and sorghum production in Jigawa, Kano and Kaduna States under the Agricultural Transformation Agenda, Dynamic AgroSol, Abuja.
- b. **University/Institute/Centre/Faculty/Department:**
- i. Member, Departmental Dress Code Committee (2006)
  - ii. Member, Departmental Finalization of arrangement of Original Syllabus (2007)
  - iii. Departmental Representative at the AutoDesk Computer Aided Design Installation/Training, Lagos, Nigeria (2006)
  - iv. Member, Committee on Departmental Journal (2007)
  - v. Departmental Representative at the Practical Use of AutoCAD for Engineering and Environmental Designs, University of Ibadan, Nigeria (2007)
  - vi. Departmental Representative at the 1<sup>st</sup> West African International Workshop on Landslides and other Natural Disasters, Nsukka (2010)
  - vii. Member, Faculty Committee on the investigation of cases of allegation of examination malpractices and irregularities in the department of Chemical Engineering – 2009/2010 session.
  - viii. Chairman, Committee on resolution of crisis in the department, 2010/2011
  - ix. Member, International conference planning committee, 2010/2011.

- x. Resource person, Workshop for Sample preparation and laboratory analysis techniques from geotechnical site investigation for staff of Nigerian Geological Survey Agency, Kaduna, 2010/2011.
- xi. Chairman, Ad-hoc committee for the commencement of Post-Graduate Programme in Geotechnical Engineering, Department of Civil Engineering, Nigerian defence Academy, Kaduna. Nigeria, 2013/2014.
- xii. Chairman, Committee for the review of NIS standards for bitumen for road purposes in Nigeria, 2013/2014.
- xiii. Ahmadu Bello University Phase II, Faculty of Science sub-soil investigation work, March 2014
- xiv. Distressed security office building, Ahmadu Bello University main campus sub soil investigation work, May 2014.
- xv. Block of Hostel behind Danfodio sub soil investigation work, June 2014.
- xvi.

c. **Others: Reviewer for the following Journals:**

- i. International Journal of Materials Engineering Innovations (IJMATEI), Inderscience Publishers, Switzerland.
- ii. Nigerian Journal of Engineering (NJE), A.B.U. Zaria.
- iii. Journal of Engineering Technology and Industrial Applications (JETIA), Kaduna Polytechnic, Kaduna State.
- iv. Journal of Engineering Technology (JET), Bayero University, Kano, Kano State.
- v. Journal of Geology and Mining Research (JGMR), Academic journals.
- vi. Journal of Applied Sciences and Chemical Technology (JASCT), National Institute for Chemical Technology (NARICT), Zaria.
- vii. Journal of Engineering Research in Africa (JERA).
- viii. *ScienceAsia* - Journal of the Science Society of Thailand
- ix. Nigeria Journal Of Engineering And Applied Sciences, Federal University of Technology, Minna, Niger State.

- x. Nigeria Journal Of Scientific Research, Faculty of Life Sciences, Ahmadu Bello University, Zaria.
- xi. Carrier talk on ‘Civil Engineering’ given at Bethel Baptist High School, Zaria, Kaduna State on 23<sup>rd</sup> May, 2009
- xii. Lecture on “Job Search and interviews” given to Batch A corps members serving in Kaduna State, on the 15<sup>th</sup> May, 2010.
- xiii. Lecture on “The effect of Examination Malpractice on the Nigerian Society.” Presented at a public lecture organized by National Anti-Corruption Volunteer Corps (NAVC), Zaria chapter, an NYSC community development service in collaboration with independent corrupt practices and other related offences commission (ICPC) on 9<sup>th</sup> June, 2010. Nigerian Institute of Transport Technology (NITT), Zaria.
- xiv. Lecture on “Job Search and interviews” delivered to Batch B corps members at the orientation camp along Kaduna – Abuja Road on the 25<sup>th</sup> July, 2010.
- xv. Lecture during a workshop on “Power point presentation” given to postgraduate students of Civil Engineering, Ahmadu Bello University, Zaria on the 26<sup>th</sup> July, 2010.
- xiv. Resource person: Workshop for Nigerian Geological Survey Agency, 2011.

**27. International conferences attended/organized with dates:**

1. Second International Conference on Engineering Research and Development: ‘innovations,’ 15 – 17<sup>th</sup> April, 2008. (ICERD2008). University of Benin, Edo State, Nigeria.
2. First West African International Workshop on Landslides and other Natural Disasters, Nsukka 2010. 22 – 26<sup>th</sup> March 2010. Enugu State, Nigeria.
3. Third International Conference on Engineering Research and Development: ‘Advances in Engineering Science and Technology,’ 7<sup>th</sup> – 9<sup>th</sup> September, 2010. (ICERD 2010). University of Benin, Edo State, Nigeria.
4. International Conference on Engineering and Technology, (IET 2011), University of Lagos, Lagos State, Nigeria. 8 – 10<sup>th</sup> August, 2011.

5. Fourth International Conference on Engineering Research and Development: ‘Advances in Engineering Science and Technology,’ 4<sup>th</sup> – 6<sup>th</sup> September, 2012. (ICERD 2012). University of Benin, Edo State, Nigeria.
6. Fifth International Conference on Constructed Environment, 16 - 17th October, 2014 at the University of Pennsylvania, U. S. A.

28. **Local conferences attended/organized with dates:**

- a. 4<sup>th</sup> Nigerian Materials Congress (NIMACON-2005) and Meeting of the Nigerian Materials Research Society (Nigerian – MRS), 17<sup>th</sup> – 19<sup>th</sup> November, 2005, Zaria, Nigeria, organized by Material Society of Nigeria.
- b. 5<sup>th</sup> Nigerian Materials Congress (NIMACON-2006) and Meeting of the Nigerian Materials Research Society (Nigerian – MRS), 15<sup>th</sup> – 18<sup>th</sup> November, 2006, Abuja, Nigeria, organized by Material Society of Nigeria.
- c. 6<sup>th</sup> Nigerian Materials Congress (NIMACON-2007) and Meeting of the Nigerian Materials Research Society (Nigerian – MRS), 15<sup>th</sup> – 18<sup>th</sup> November, 2006, organized by Material Society of Nigeria.
- d. 2nd International Conference Engineering Research and development (ICERD 2008), University of Benin, Nigeria, organized by the Faculty of Engineering, University of Lagos, Nigeria.
- e. Sensitization Workshop on Intellectual Property and Technology Transfer. ‘The importance of Patenting Creative Ideas, Copyright Protection and Trade Marks.’ 30<sup>th</sup> June, 2009, organized by the Intellectual Property and Technology Transfer,
- f. 2<sup>nd</sup> Nigerian Materials Congress (NIMACON-2010) and Meeting of the Nigerian Materials Research Society (Nigerian – MRS), 23<sup>rd</sup> – 26<sup>th</sup> November, 2010, organized by the Faculty of Engineering, University of Benin, Edo State.
- g. 3rd International Conference Engineering Research and development (ICERD 2010), University of Benin, Nigeria, organized by the Faculty of Engineering, University of Benin, Edo State.
- h. 4th International Conference Engineering Research and development (ICERD 2012), University of Benin, Nigeria, organized by the Faculty of Engineering, University of Benin, Edo State.

29. **Publications/articles:**

**a.i In peer reviewed Journals and Books:**

1. Osinubi, K.J. and **Stephen, T.A.** (2007). "Influence of compactive efforts on bagasse ash treated black cotton soil." *Nigerian Journal of Soil and Environmental Research*. **7**; 92 – 101. Publisher: Faculty of Faculty of Agriculture, Ahmadu Bello University, Zaria.
2. Osinubi, K.J. and **Stephen, T.A.** (2008). "Laboratory investigation of engineering use of bagasse ash." *Nigerian Society of Engineers Technical Transactions*. Jan. - March. **43** (1); 1 – 17. Publisher: Nigerian Society of Engineers.
3. Osinubi, K.J., **Ijimdiya, T. S.** and Nmadu, I. (2009). "Lime stabilization of black cotton soil using bagasse ash as admixture." *Journal of Advanced Materials Research*, **62 – 64** ; 3 – 10. A Publication of Advances in Materials and Systems Technology, Switzerland. Publishers: Trans Tech Publishers.
4. Osinubi, K.J. and **Ijimdiya, T.S.** (2009). "Effect of Compactive Efforts on the Plasticity and Strength Properties of Reconstituted laterite." *Nigerian Society of Engineers, Technical Transactions*. Oct. – Dec. **44**, (4); 1 – 14. Publisher: Nigerian Society of Engineers.
5. **Ijimdiya, T. S.** (2010). "Geotechnical Characteristics of oil contaminated soils." *International Journal of Engineering (IJE)*. **4**, (4); 539 – 547. Publisher: International Centre for Advanced Studies, India.
6. **Ijimdiya, T.S.** (2010). "The effect of compactive effort on the compaction characteristics of oil contaminated lateritic soils." *International Journal of Engineering (IJE)*, **4**, (4); 549 – 554. Publisher: International Centre for Advance Studies, India.
7. **Ijimdiya, T. S** and Osinubi, K. J. (2011). "Attenuative Capacity of Compacted Black Cotton Soil treated with Bagasse Ash." *Elect. Journ. of Geotech. Engr'g (EJGE,)* Bundle D, **16**; 419 – 429, paper 11029. Publisher: Oklahoma State University, U. S. A.
8. **Ijimdiya, T. S.** (2011). Potential use of weakly oil contaminated soils as landfill barrier material for municipal solid waste containment applications. *Nigerian Society of Engineers Technical Transactions*. **46** (4); 75 – 81. ISSN 11195363. Publisher: Nigerian Society of Engineers.
9. **Ijimdiya, T. S.** (2012). "Effect of oil contamination on particle size distribution and plasticity characteristics of lateritic soils." *Journal of Advances in Materials and Systems Technology*,

- 367; 19 - 26. A Publication of Advanced Materials Research, Switzerland. Publishers: Trans Tech Publishers.
10. **Ijimdiya, T. S.** and Elaigwu, F. (2012). “The effect of compactive efforts on the hydraulic conductivity behavior of oil contaminated lateritic soils *Journal of Advances in Materials and Systems Technology*, **367**; 27 - 36. A Publication of Advanced Materials Research, Switzerland. Publishers: Trans Tech Publishers.
  11. Osinubi, K. J. and **Ijimdiya, T. S.** (2012). ‘Unsaturated hydraulic conductivity behavior of bagasse ash treated tropical black clay.’ In: *State-of-the-Art and Practice in Geotechnical Engineering*. Edited by Roman D. Hryciw, Adda Athanasopoulos-Zekkos and Nazli Yesiller, Geotechnical Special Publication, (ASCE) GSP 225, pp. 3497 – 3506.
  12. **Ijimdiya, T. S.**, Ashimiyu, A. L. and Abubakar, D. K. (2012). Stabilization of black cotton soil using groundnut shell ash. *Elect. Journ. of Geotech. Engr’g (EJGE)*, Bundle Y, **17**; 3645 – 3652, paper 12347. Publisher: Oklahoma State University, U. S. A.
  13. **Ijimdiya, T. S.** and Igboro, T. (2012). The compressibility behavior of oil contaminated soils. *Elect. Journ. of Geotech. Engr’g (EJGE)*, Bundle Y, **17**; 3653 – 3662, paper 12348. Publisher: Oklahoma State University, U. S. A.
  14. **Ijimdiya, T. S.** and Onwude, L. U. (2012). Effect of Rice Husk Ash stabilization on the compressive strength of oil contaminated soils. *Journal of Engineering and Technology*. **7**, 1&2, pp. 56 – 61. Publisher: Faculty of Engineering, Bayero University Kano, Nigeria.
  15. Osinubi, K.J, R. Diden, **Ijimdiya, T. S.**, Eberemu, A.O. (2012). Effect of Elapsed Time after Mixing on the Strength properties of Black Cotton Soil Cement Blast Furnace Slag Mixtures. *Journal of Engineering Research*, 17, 4. Pp. 20 - 35. Publisher: University of Lagos, Nigeria.
  16. **Ijimdiya, T. S.** (2012). Lime Treated Petroleum Contaminated Soils For Use As Road Sub-base. *Journal of Engineering Research*, A Publication of University of Lagos, Nigeria. 17,4. Pp. 36 - 46.
  17. **Ijimdiya, T. S.** (2013). The effects of oil contamination on the consolidation properties of lateritic soils. *Journal of Development and Application of Oceanic Engineering*. 2,2. Pp. 53 - 59. Publisher: Science and Engineering Publishing
  18. **Ijimdiya, T. S.** (2013). "Evaluation of Lime Treated Oil Contaminated Soils for Use in Waste Containment Applications." *Journal of Advances in Materials and Systems Technology* Vol. 824 (2013) pp 66-72. A Publication of Advanced Materials Research, Switzerland. .

19. **Ijimdiya, T. S.** (2013). "Effect of Rice Husk Ash Treatment on the Strength Properties of Oil Contaminated Soils." *Journal of Advances in Materials and Systems Technology* Vol. 824 (2013) pp 59-65. A Publication of Advanced Materials Research, Switzerland.
20. **Ijimdiya, T. S.** (2014). "Strength Characteristics of Lime Treated Oil contaminated Lateritic Soil". *Journal of Advances in Civil Engineering Materials*. A Publication of American Standard Testing Method (ASTM), Vol. 3, No.1, DOI: 10.1520/ACEM20120047. pp. 404 - 412.
21. **Ijimdiya, T. S.** (2014). "Influence of Compaction Energies on the Strength Characteristics of Lime-Treated Oil-Contaminated Lateritic Soil". *Journal of Advances in Civil Engineering Materials*. A Publication of American Standard Testing Method (ASTM), Vol. 3, No.1 DOI:10.1520/ACEM20120046. pp. 504 - 512.
22. **Ijimdiya, T. S.** (2014). Effect of Groundnut Shell Ash on the Particle Size and Plasticity Characteristics of Black Cotton Soil. *Nigerian Journal of Material Science and Engineering (NJMS)*. Vol. 5, No. 1, Pp. 60 – 67. Publisher: Material Science and Technology Society of Nigeria.
23. **Ijimdiya, T. S.,** Imam, G., Igboro, T., Tanko, A. (2015). Effect of Compactive Effort on the Geotechnical Properties of Metakaolin Treated Black Cotton Soil. *Nigerian Journal of Material Science and Engineering (NJMS)*. Vol. 6, No. 1, Pp. 80 - 84. Publisher: Material Science and Technology Society of Nigeria.
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71. **Ijimdiya T. S.**, Alfa M. B. and Osinubi K. J. (2018) Evaluation of Lateritic Soil Treated with Processed and Unprocessed Bentonite for Use in Waste Containment Barrier Systems. Faculty of Engineering Ahmadu Bello University Zaria, National Engineering Conference 2018. “The Role of Engineering in the Diversification of Nigerian Economy” 14th - 17th November, Ahmadu Bello University, Zaria. Pp 405-409.
- K. J. Osinubi, **T. S. Ijimdiya** and I. Mannir (2018) Effect of Compactive Effort on The Strength Properties of Lateritic Soil Treated with *Sporosarcina pasteurii*. Faculty of Engineering Ahmadu Bello University Zaria, National Engineering Conference 2018. “The Role of Engineering in the Diversification of Nigerian Economy” 14th - 17th November, Ahmadu Bello University, Zaria. Pp 454-458.
72. Osinubi K. J., Eberemu A. O., **Ijimdiya T. S.** and Yohanna P. (2018) Desiccation-Induced Shrinkage of Compacted Tropical Red Soil Treated with *Bacillus Coagulans*. Faculty of Engineering Ahmadu Bello University Zaria, National Engineering Conference 2018. “The Role of Engineering in the Diversification of Nigerian Economy” 14th - 17th November, Ahmadu Bello University, Zaria. Pp 45-50.
73. K. J. Osinubi, E.W. Gadzama, A. O. Eberemu and **T. S. Ijimdiya** (2018) Influence of *Sporosarcina pasteurii* Induced Precipitate on the Hydraulic Conductivity of Lateritic Soil Compacted with Reduced Standard Proctor Energy. Faculty of Engineering Ahmadu Bello University Zaria, National Engineering Conference 2018. “The Role of Engineering in the Diversification of Nigerian Economy” 14th - 17th November, Ahmadu Bello University, Zaria. Pp 109-114.
74. K. J. Osinubi, **T. S. Ijimdiya**, E. W. Gadzama, A. O. Eberemu, O. J. Jonathan and M. K. Adamu (2018). Comparative Evaluation of the Effect of *Sporosarcina pasteurii* on the Compaction Characteristics and Index Properties of Different Soils. Faculty of Engineering Ahmadu Bello University Zaria, National Engineering Conference 2018. “The Role of Engineering in the Diversification of Nigerian Economy” 14th - 17th November, Ahmadu Bello University, Zaria. Pp 119-124.

75. **Ijimdiya T. S.**, Alfa M. B. and Osinubi K. J. (2018) Evaluation of Lateritic Soil Treated with Processed and Unprocessed Bentonite for Use in Waste Containment Barrier Systems. Faculty of Engineering Ahmadu Bello University Zaria, National Engineering Conference 2018. “The Role of Engineering in the Diversification of Nigerian Economy” 14th - 17th November, Ahmadu Bello University, Zaria. Pp 405-409.
76. K. J. Osinubi, **T. S. Ijimdiya** and I. Mannir (2018) Effect of Compactive Effort on The Strength Properties of Lateritic Soil Treated with *Sporosarcina pasteurii*. Faculty of Engineering Ahmadu Bello University Zaria, National Engineering Conference 2018. “The Role of Engineering in the Diversification of Nigerian Economy” 14th - 17th November, Ahmadu Bello University, Zaria. Pp 454-458.
77. **Ijimdiya, T. S.** and Alhassan M.K. (2018). Evaluation of compacted crude oil contaminated soil bio-remediated using animal waste for use in waste containment applications. *Book of proceedings of Material Science and Technology Society of Nigeria, Kaduna State Chapter 2018 Conference*. Pp. 1 – 6.
- f. **Books/Monographs/Guids/Manuals/Novels/Indexes? Musical Compositions, etc.**  
Not Applicable
- (i) **Technical Reports**
1. Design reports for the Design and construction supervision of Kaduna Eastern By-pass Project, Kaduna State, 2002.
  2. Design reports for the Design and construction supervision of Hunkuyi Irrigation Dam Project, Kaduna State, 2002.
  3. Design reports for the Design and supervision of Kaduna Township Roads, Kaduna State.
  4. Preparation of Bill of Engineering Measurement and Evaluation for Kaduna Eastern By-Pass Project, 2002
  5. Preparation of Tender documents for Hunkuyi Irrigation Dam Project, 2002
  6. Design studies: Hydraulics and Hydrology of the Eastern By-Pass Project, 2002

7. Design reports for the Design and supervision of Rehabilitation of Gusau Water Supply Project, Zamfara State, 2002.
8. Report of Mapping of the existing pipe network using Global Positioning System (GPS) of Gusau Water Supply Project, 2003.
9. Production of detailed drawings of Pump House, Reservoirs etc., for Gusau Water Supply Project, 2003.
10. Sub Soils Investigations for the extension of the Federal Secretariat, Abuja, May 2005;
11. Deep Soil Investigations at for 6Nos. Bridges' Foundation Locations along the Abuja – Lokoja Road Dualization Project (Section II), February/March, 2007;
12. Construction supervision of Angwan Jaba Irrigation Dam project, 2007.
13. The design and construction supervision of Garai Irrigation Earth dam at Dambam, Bauchi State, 2007.
14. Deep Soils Investigations at 8 Nos. Bridge Foundation Location along the Keffi – Akwanga Road, Nasarawa State, February, 2007;
15. Deep Soils Investigations at 1 Nos. Bridge Foundation Location across the River Benue, at Bagana, Kogi State, May, 2007;
16. Deep Soils Investigations at 1 Nos. Bridge Foundation Location along Section IV of the Kano – Maiduguri Road Dualization, Yobe State, June, 2007;
17. Soil investigation for proposed sabatical hostel, A.B.U., Zaria. Staff quarters, Area A. 2007.
18. Soil investigation for Gilmor on Zaria Water supply project. September, 2008
19. Soil investigation for Chaina Zhonchao Nig. Ltd., for a dam at Gidan Ango, Gusau, Zamfara State. 2008.
20. Sub soil investigation on road construction for China Zhonchao Nig. Ltd. Gusau, Zamfara state. 2009
21. Sub soil investigation on road construction for China Zhonchao Nig. Ltd., Dabai, Katsina State. March, 2009
22. Soil investigation for proposed paediatric hospital, Kano, Kano State. June, 2009.
23. Soil investigation for a cigarette manufacturing facility within an industrial Estate in minna, Niger State. June 2009
24. Deep Soils Investigations for the Proposed Fire and Safety Academy Sheda Abuja. March, 2009;
25. Route Soils Investigations for Various Routes (90 Km) in Taraba State. March, 2009;

26. Deep Soils Investigations for 12Nos Bridges, Taraba State, March, 2009;
27. Subsoils Investigations for NIPP Substations in Asaba, Benin and Nkalagwu Substations, August, 2009;
28. Deep Soils Investigations for the Proposed Irish Ford Bridge, Challawa Gorge Dam, Spillway, Karaye. September, 2009;
29. Micro Piling of the Proposed Irish Ford Bridge, Challawa Gorge Dam, spillway, December, 2009;
30. Soil investigation for Division of Agric. Colleges, Ahmadu Bello University, Zaria. March, 2009.
31. Design report for the proposed Design of the Federal Capital Irrigation Project, Abuja
32. Hydrological studies for the Design and supervision of Belel Dam, Adamawa state
33. Assessment of sand and aggregates for use as filter in the construction of 2,000 m<sup>3</sup>/hr Lower Usuma water treatment plants: test for filter sand and gravel for Bi-Water. 2010.
34. Deep Soils Investigations for four (4Nos.) proposed Interchanges along the Extension of the Inner Southern Expressway, Abuja, March, 2010;
35. Subsoils Investigation for the proposed development of CBN Branch Buildings at Abakaliki, Ado Ekiti and Yenagoa;
36. Subsoils Investigations for the expansion of the Nigerian Custom Service Barracks, Karu, July, 2010;
37. Subsoils Investigations for eight (8Nos.) NIPP Substations in Bauchi, Gombe, Borno and Yobe States, August, 2010;
38. Deep Soils Investigations for two (2Nos.) proposed bridges along the Western By-pass, Lafia, Nassarawa State, August, 2010;
39. Sub soils Investigations for the proposed Body of Benchers (BOB) building, Idu, Abuja, September, 2010;
40. In-situ measurements of concrete strength using ultra sonic velocity method for Sinoma International Ltd., Abeokuta, Ogun State. 2011.
41. Valuation of Water Supply and Sanitation Sector Reform Programme (WSSSRP) projects implemented in Yobe State, 2011.
42. Design of Federal Capital Irrigation Master plan, Teamwork Global Associates Ltd. Kaduna.
43. Valuation of works on the Water Supply and Sanitation Sector Reform Programme (WSSSRP), Yobe State, Nigeria. 2011

44. Deep Soils Investigations at Proposed ten (10Nos) pedestrian bridges within Abuja municipality, Abuja FCT, Jan, 2011;
45. Geotechnical Investigations at Angle Towers and Suspension Towers along the Enugu – New Haven Transmission Lines NIPP Lot 21-2, Enugu State January, 2011;
46. Geotechnical Investigations at the proposed Jenkur earth dam, Plateau state, January, 2011.
47. Subsoils investigations at the proposed Development for FIRS state office Uyo, Akwa Ibom state, January, 2011;
48. Subsoils investigations at the proposed Development for FIRS state office, Gusau, Zamfara state, January, 2011;
49. Subsoils investigations at the proposed Development for FIRS state office, Auchi, Edo state, February, 2011;
50. Subsoils investigations at the proposed Development for FIRS state office, Damaturu, Yobe state, February, 2011;
51. Subsoils investigations at the proposed Development for FIRSU state office, Dutse, Jigawa state, February, 2011;
52. Subsoils investigations at the proposed Development for FIRS Uyo, Akwa Ibom state, Jaunary, 2011;
53. Subsoils investigations at the proposed Development for FIRSU state office, Jalingo, February, 2011;
54. Subsoils investigations at the proposed Development for FIRSU state office, Onitsha, Anambra state, February, 2011;
55. Subsoils investigations at the proposed Development for FIRS office, Katampe, Abuja, FCT, February, 2011;
56. Subsoils investigations at the proposed Development for FIRS state office, Katsina, Katsina state, February, 2011;
57. Subsoils investigations at the proposed Development for FIRS state office, Osogbo, Osun state, February, 2011;
58. Subsoils investigations at the proposed Development for FIRS state office, Birnin Kebbi, Kebbi state, February, 2011;
59. Geotechnical Investigations for the proposed Nafada earth dam, Gombe state, February, 2011;

60. Deep Soils Investigations at Proposed one(1No) river bridge along the Ntan Ide – Ikot Idom Udo road, Akwa Ibom state, February, 2011
61. Subsoils investigations at the proposed development for Continental acquisition, Portharcourt, Rivers state, February, 2011;
62. Geotechnical Investigations for the proposed Gurara Phase II Hydroelectric Dam, Gurara, Niger state, March, 2011;
63. Deep soils investigations at nineteen (19 Nos.) bridges along the Calabar – Oban – Eakang – Osofang -Okuni Road, Cross Rivers state, May, 2011;.
64. Subsoils investigations at the proposed De-Villa Hotel, Kaduna , Kadun state, May, 2011;
65. Subsoils investigations at the proposed French Embassy, European Union zone, central area, Abuja,, May, 2011;
66. Deep soils investigations at seven (7 Nos.) existing river bridges in Ebonyi and Cros rivers state, May, 2011;
67. Deep soils investigations at seven (7 Nos.) river bridges along the Nara – Ohafia road, Enugu state, May, 2011;
68. Subsoil Investigations for the proposed ECWA DCC central headquarters, Ahmadu Bello way, Kaduna, June, 2011;
69. Deep soils investigations at eleven (11 Nos.)river bridges in Bayelsa state, June, 2011;
70. Deep Soils Investigations at Proposed three (3Nos) river and two (2 Nos) fly over bridges along the Suleija – Minna Road Dualisation, June, 2011;
71. Deep Soils Investigations at Proposed bridge at Ikot Inyang along the Ako-Udo-Eno road, June, 2011
72. Routesoil and material survey along the 50Km Jalingo – Sunkani - Garba Chede Road, Taraba State, July, 2011;
73. Deep soils investigations at six (6 Nos.) bridges along the Jalingo – Sunkani – Garba Chede Road, Taraba state, July, 2011;
74. The geotechnical mapping of Osun state, August, 2011;
75. Deep Soils Investigations at Proposed one(1No.) river bridge at Ilie, Osunstate, August, 2011
77. Subsoil Investigations for the proposed development by CBN for the University of Porthacourt,, Porthacourt, Rivers state, September, 2011;
78. Subsoils investigations at the proposed e-learning center, Yola, Adamawa state, September, 2011;

79. Deep soils investigations at one (1 No.) existing river bridge along the Omuaran – OroAgo road, Kwara state, October, 2011;
80. Geotechnical Investigations for the proposed Kasanga earth dam, Niger state, October, 2011;
81. Geotechnical Investigations for the proposed Mariga earth dam, Niger state, October, 2011;
82. Subsoil Investigations for the proposed Nigerian Air force (NAF) Apron development NAF Base, Kaduna, Kaduna state, October, 2011;
83. Geotechnical Investigations for the proposed Kudu earth dam, Niger state, November, 2011;
84. Geotechnical Investigations for the proposed Bunyai/Akatom earth dam, Cross Rivers state, December, 2011;
85. Geotechnical Investigations for the proposed Dadur earth dam, Lantagng LGC, Plateau state, December, 2011
86. Subsoils investigations at the proposed Deputy Speaker of the House of Representative’s Residence, Maitama Extension, Abuja, FCT, December, 2011
87. In-situ measurements of rock strengths using ultra sonic velocity method for Sitech Engineering for a Dam site at Kaduna. 2012.
88. Evaluation of Irrigation Infrastructures for rice and sorghum production in Jigawa, Kano and Kaduna States under the Agricultural Transformation Agenda, Dynamic AgroSol, Abuja. 2014
89. Evaluation of Irrigation Infrastructures for rice production in Kebbi, Sokoto and Zamfara States under the Agricultural Transformation Agenda, Tresda Irrigation Ltd. Kaduna. 2014
90. Construction supervision reports (January - December) of the 1<sup>st</sup> National urban water sector reform project, 2014.
91. Report of In-situ measurements of concrete strengths using ultra sonic velocity method for Sinoma International Ltd., Ibese, Ogun State. Feb, 2015.
92. Report of In-situ measurements of concrete strengths using ultra sonic velocity method for Sinoma International Ltd., Ibese, Ogun State. March, 2015.
93. Report of In-situ measurements of concrete strengths using ultra sonic velocity method for Sinoma International Ltd., Ibese, Ogun State. March, 2015.
94. Geotechnical investigation of sub-soil for proposed faculties of Applied arts and Physical Health Education, Federal College of Education, Kafanchan, Gidan Waya. 2015
95. Design supervision reports (January – December) of 2No. 6000cm<sup>3</sup> of circular concrete water tanks constructed by Gamji Nig, Ltd., 2015 – 2017.

96. Design supervision reports (January – December) of construction of 900mm diameter transmission pipeline constructed by Gamji Nig. Ltd., 2015 – 2017.
97. In-situ measurements of concrete strengths using ultra sonic velocity method for Gamji Contractors Ltd, on the Zaria Water Supply and Expansion Project, Kaduna. 2016
98. Pre-feasibility studies for the development of irrigation Infrastructures at Ho-Keta, Volta Region, Ghana, Ghana Irrigation Development Authority (GIDA). 2016
99. Construction supervision reports (January – December, 2018) of 336 units of toilet facilities in schools, markets and parks, LOTS 1 – 5.

**g. Papers presented at conferences and seminars:**

1. **Stephen, T. A.** (2005). Evaluation of of bagasse ash as a possible stabilizer on black cotton soil. Seminar paper presented at the Department of Civil Engineering, Ahmadu Bello University, Zaria. Nigeria.
2. **Stephen, T. A.** (2006). Stabilization potential of bagasse ash on black cotton soil. Seminar paper presented at the Department of Civil Engineering, Ahmadu Bello University, Zaria. Nigeria.
3. **Ijimdiya, T. S.** (2008). Evaluation of bagasse ash treated black cotton soil as hydraulic barrier in waste containment systems. PhD research proposal presented at the Department of Civil Engineering, Ahmadu Bello University, Zaria. Nigeria.
4. **Ijimdiya, T. S.** (2009). Evaluation of bagasse ash treated black cotton soil as hydraulic barrier in waste containment systems. PhD Seminar presented at the Department of Civil Engineering, Ahmadu Bello University, Zaria. Nigeria.
5. **Ijimdiya, T. S.** (2009). Unsaturated hydraulic conductivity characteristics of bagasse ash - treated black cotton soil for use in waste containment facilities. PhD Seminar presented at the Department of Civil Engineering, Ahmadu Bello University, Zaria. Nigeria.
6. **Ijimdiya, T. S.** (2009). Contaminant transport and reliability assessment of bagasse ash - treated black cotton soil for use in waste containment facilities. PhD Seminar presented at the Department of Civil Engineering, Ahmadu Bello University, Zaria. Nigeria.

7. **Ijimdiya, T. S.** (2010). "Geotechnical properties of petroleum product contaminated soils." Book of Proceedings of 1<sup>st</sup> West African International Workshop on Landslides and other Natural Disasters, Nsukka 2010. 22 – 26<sup>th</sup> March 2010.
8. **Ijimdiya, T. S.,** Ashimiyu, A. L. and Abubakar, D. K. (2012). Stabilization of black cotton soil using groundnut shell ash. Book of Abstracts, 50<sup>th</sup> Anniversary National Conference/Home coming, theme: Infrastructure and the Built Environment in the 21<sup>st</sup> Century. 20<sup>th</sup> – 21<sup>st</sup> November, 2012. Ahmadu Bello University, Zaria. Paper number: 50<sup>TH</sup> ANC/HM 2012: 047. Pp. 51.

**h. Publications in Newspapers/Magazines:**

Not applicable

**i. Art Exhibition:**

Not applicable

**Articles Under Review:**

1. Osinubi, K. J., **Ijimdiya, T. S.,** Eberemu, A. O., Buki, J. M and Yohanna, P. (2016). "Comparative Effects of Cement and Lime on the Plasticity and Compaction Characteristics of Tropical Black Clay – Iron Ore Tailing Mixtures." Geo-Chicago, Sustainability, Energy and the Geo-environment, 2016.
2. J. R. Oluremi, A. O. Eberemu, **T. S. Ijimdiya** and K. J. Osinubi (2016). Absorption and Diffusion Potential of Waste Wood Ash Treated Lateritic Soil. Geo-Chicago, Sustainability, Energy and the Geo-environment, 2016.
3. Tanko, A., **Ijimdiya, T. S.,** and Osinubi, K. J. (2016). "Effect of Inclusion of Randomly Oriented Sisal Fibre on Some Geotechnical Properties of Lateritic Soil." Journal of Geotechnical and Geological Engineering, Springer.
4. Osinubi, K. J., Eberemu, A. O., **Ijimdiya, T. S.** and Osim, A. R. (2016). Unsaturated Hydraulic Conductivity Behaviour of Compacted Black Cotton Soil Treated with Cement Kiln Dust. The fourteenth International Conference on the Solid Waste and Technology Management, University of Pennsylvania, Philadelphia, U. S. A.
5. Osinubi, K. J, John, M.B. and Ijimdiya, S. T. (2015). Lime Modification of Black Cotton Soil Using Iron Ore Tailing as Admixture.

6. **Ijimdiya, T. S.** (2015). Bioremedaition of oil contaminated soils using NPK fertilizer. Nigerian Society of Engineers Technical Transaction.
  7. **Ijimdiya, T. S.,** Arogbonlo, K. J., Tanko, A (2015). Cement Stabilization Of Black Cotton Soil Using Groundnut Shell Ash As An Admixture. Journal of Engineering Research, University of Lagos.
30. **Invention/Innovations/awards:**
- a. Award for the Best Final Year Project (Structures) by Morgan Omonitan and Associates.
  - b. Ondo State Honours Award, National Youth Service Corps.
31. **Citations in “who is who” etc:** Not applicable
32. **Additional publications since last promotion:**
1. Osinubi, K. J. and **Ijimdiya, T. S.** (2012). ‘Unsaturated hydraulic conductivity behavior of bagasse ash treated tropical black clay.’ In: *State-of-the-Art and Practice in Geotechnical Engineering*. Edited by Roman D. Hryciw, Adda Athanasopoulos-Zekkos and Nazli Yesiller, Geotechnical Special Publication, GSP 225, pp. 3497 – 3506.
  2. **Ijimdiya, T. S.,** Ashimiyu, A. L. and Abubakar, D. K. (2012). Stabilization of black cotton soil using groundnut shell ash. *Elect. Journ. of Geotech. Engr’g (EJGE,)* Bundle Y, **17**; 3645 – 3652, paper 12347. <http://www.ejge.com>.
  3. **Ijimdiya, T. S.** and Igboro, T. (2012). The compressibility behavior of oil contaminated soils. *Elect. Journ. of Geotech. Engr’g (EJGE,)* Bundle Y, **17**; 3653 – 3662, paper 12348. <http://www.ejge.com>.
  4. **Ijimdiya, T. S.** and Onwude, L. U. (2012). Effect of Rice Husk Ash stabilization on the compressive strength of oil contaminated soils. *Journal of Engineering and Technology*, Bayero University, Kano, Nigeria. **7**, 1&2, pp. 56 – 61.
  5. Osinubi, K.J, R. Diden, **Ijimdiya, T. S.,** Eberemu, A.O. (2012). Effect of Elapsed Time after Mixing on the Strength properties of Black Cotton Soil Cement Blast Furnace Slag Mixtures. *Journal of Engineering Research*, University of Lagos, Nigeria. **17**, 4. Pp. 20 - 35.

6. **Ijimdiya, T. S.** (2012). Lime Treated Petroleum Contaminated Soils For Use As Road Sub-base. *Journal of Engineering Research*, University of Lagos, Nigeria. 17,4. Pp. 36 - 46.
7. **Ijimdiya, T. S.** (2013). The effects of oil contamination on the consolidation properties of lateritic soils. *Journal of Development and Application of Oceanic Engineering*. 2,2. Pp. 53 - 59. [www.daoe-journal.org](http://www.daoe-journal.org)
8. **Ijimdiya, T. S.** (2013). "Evaluation of Lime Treated Oil Contaminated Soils for Use in Waste Containment Applications." *Journal of Advanced Materials Research* Vol. 824 (2013) pp 66-72. A Publication of Advances in Materials and Systems Technology, Switzerland. <http://www.scientific.net> doi:10.4028/www.scientific.net/AMR.824.66.
9. **Ijimdiya, T. S.** (2013). "Effect of Rice Husk Ash Treatment on the Strength Properties of Oil Contaminated Soils." *Journal of Advanced Materials Research* Vol. 824 (2013) pp 59-65. A Publication of Advances in Materials and Systems Technology, Switzerland. <http://www.scientific.net> doi:10.4028/www.scientific.net/AMR.824.59.
10. **Ijimdiya, T. S.** (2014). "Strength Characteristics of Lime Treated Oil contaminated Lateritic Soil". *Journal of Advances in Civil Engineering Materials*. A Publication of American Standard Testing Method (ASTM), <http://mc04/astm-acem>. Vol. 3, No.1, DOI: 10.1520/ACEM20120047. pp. 404 -412.
11. **Ijimdiya, T. S.** (2014). " Influence of Compaction Energies on the Strength Characteristics of Lime-Treated Oil-Contaminated Lateritic Soil". *Journal of Advances in Civil Engineering Materials*. A Publication of American Standard Testing Method (ASTM), <http://mc04/astm-acem>. Vol. 3, No.1 DOI: 10.1520/ACEM20120046. pp. 504 -512.
12. Osinubi, K. J. and **Ijimdiya, T. S.** (2013). "Evaluation of bagasse ash treated black cotton soil for use in waste containment applications." *The Twenty – Eighth International Conference on Solid Waste Technology and Management CD-ROM*, 10 – 13 March, Philadelphia , PA , U.S.A. Session 1A: Landfill 1, pp. 1 - 10.
13. Yisa, G. L. , **Ijimdiya, T. S.** and Osinubi, K. J. (2014). Iron Ore Tailing Treatment of lateritic soil. *Engineering and Technology for Economic Transformation*. Book of Proceedings of Nigeria Engineering Conference, Zaria 2014, 15 - 18th September, 2014. pp. 70.
14. **Ijimdiya, T. S.**, Sani, L., Isaac, A. L. and Osinubi, K. J. (2014). Effect of compactive effort on properties of cement stabilized black cotton soil admixed with groundnut shell ash.

- Engineering and Technology for Economic Transformation. Book of Proceedings of Nigeria Engineering Conference, Zaria 2014, 15 - 18th September, 2014. pp. 42.
15. Oluremi, J. R., Ijimdiya, T. S., Eberemu, A. O., and Osinubi, K. J. (2014). Compatibility of municipal solid waste leachate with waste wood ash treated lateritic soil. Engineering and Technology for Economic Transformation. Book of Proceedings of Nigeria Engineering Conference, Zaria 2014, 15 - 18th September, 2014. pp. 61.
  16. Sani, J. E., Eberemu, A. O., **Ijimdiya, T. S.** and Osinubi, K. J. (2014). Effect of locust bean waste ash on the strength properties of black cotton soil using cement kiln dust as an activator. Engineering and Technology for Economic Transformation. Book of Proceedings of Nigeria Engineering Conference, Zaria 2014, 15 - 18th September, 2014. pp. 33.
  17. **Ijimdiya, T. S.**, Bello, A. and Osinubi, K. J. (2014). Lime and groundnut shell ash improvement of tropical black clay road foundation. Engineering and Technology for Economic Transformation. Book of Proceedings of Nigeria Engineering Conference, Zaria 2014, 15 - 18th September, 2014. pp. 28.
  18. Osim, A.R., **Ijimdiya, T. S.**, Eberemu, A. O. and Osinubi, K. J. (2014). Compaction and acceptable zone characteristics of cement kiln dust treated black cotton soil. Engineering and Technology for Economic Transformation. Book of Proceedings of Nigeria Engineering Conference, Zaria 2014, 15 - 18th September, 2014. pp. 48.
  19. **Ijimdiya, T. S.**, Jacob, D., Sani, J. and Osinubi, K. J. (2014). Strength properties of cement treated black cotton soil admixed with groundnut shell ash. Engineering and Technology for Economic Transformation. Book of Proceedings of Nigeria Engineering Conference, Zaria 2014, 15 - 18th September, 2014. pp. 64.
  20. **Ijimdiya, T. S.** and I. A. Chukwujama (2014). "Groundnut shell ash modification of tropical black clay." *The fifth International Conference of the Constructed Environment*, 14 - 17th October, 2014 University of Pennsylvania, Philadelphia, U.S.A. Book of Proceedings.
  21. **Ijimdiya, S. T.** and Osinubi, K. J. (2015). "Reliability evaluation of bagasse ash treated black cotton soil for use in waste containment application." *The Thirtieth International Conference on Solid Waste Technology and Management*, 15 - 18 March, Philadelphia, PA, U.S.A. Session 9A: Additional Topics, 1004 - 1015.

22. **Ijimdiya, T. S.**, Sani, A. S., and Tanko, A. (2015). "Effects of Compactive Effort on Volumetric Shrinkage Strain Characteristics of Metakaolin Treated Black Cotton Soil." Conference of the Material Science and Technology Society of Nigeria, Zaria Chapter, 5th October, 2015.
23. **Ijimdiya, T. S.**, Arogbonlo, K. J., Tanko, A. (2015). 'Plasticity and Particle Size Grading of Cement and Groundnut Shell Ash Treated Black Cotton Soil.' Conference of the Material Science and Technology Society of Nigeria, Zaria Chapter, 5th October, 2015
24. Sholadoye, I. O., Abubakar Idris, Ejeh S.P and **Ijimdiya, T. S** (2015). "Relationship between Some Wood Properties of Ebony (*Diospyros mespiliformis*) Nigeria Grown Timber." Conference of the Material Science and Technology Society of Nigeria, Zaria Chapter, 5th October, 2015
25. Sholadoye, I. O., Abubakar Idris, Ejeh S.P and **Ijimdiya, T. S** (2015). Relationship between Some Wood Properties of Omo (*Cordia platythyrsa*) Nigeria Grown Timber." Conference of the Material Science and Technology Society of Nigeria, Zaria Chapter, 5th October, 2015.
26. Salahudeen A. B., **Ijimdiya, T. S.**, Eberemu, A. O and Osinubi, K. J. (2016). Prediction of Bearing Capacity and Settlement of Foundations Using Standard Penetration Data in the South South Geo-Political Zone of Nigeria. **Parallel Session C2. NIBBRI Conference Abuja Book of Proceedings pg. 349 – 368.**
27. Salahudeen A. B., **Ijimdiya, T. S.**, Eberemu, A. O and Osinubi, K. J. (2016). Reliability Analysis of Foundation Settlement in the North Central Nigeria. **Parallel Session C2 NIBBRI Conference Abuja. Book of Proceedings pg. 369**

384.

28. Osim, A. R., **Ijimdiya, T. S.**, Eberemu, A. O. and Osinubi, K. J. (2016). 'Effect of Cement Kiln Dust on Unconfined Compressive Strength of Black Cotton Soil Used as Waste Containment Material', Proceeding of Material Science and Technology Society of Nigeria, Kaduna State Chapter Conference July 2016 pp 28-32
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