

# CURRICULUM VITAE

## 1. BIODATA

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- a. **Name:** OLAREWAJU AKINOLA JOHNSON (*PhD*), Editor
- b. **Date and Place of Birth:** 15<sup>th</sup> May, 1969, Ile-Ife
- c. **Gender:** Male
- d. **State of Origin:** Osun State
- e. **Nationality:** Nigeria
- f. **Marital Status:** Married
- g. **Names and Ages of Children:** Olarewaju Dolapo (12+) - F -  
Olarewaju Akinola Joshua (9+) - M -
- h. **Religion:** Christianity
- i. **Contact Address:** Civil Engineering Department, School of Engineering, Federal Polytechnic Ilaro, P.M.B. 50, Ilaro, Ogun State, Nigeria.
- j. **E-Mail Address:** akinolajolarewaju@yahoo.com  
akinolajolarewaju@gmail.com  
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- k. **Telephone Numbers:** +2348141676366 (Hotline); +2348111917707;  
+2348090651122; +2348141676488
- l. **Websites:** <http://ijari.org.ng>  
<http://perfectengineeringassociates.com>
- m. **Present Position:** Senior Lecturer

## 2. INSTITUTIONS ATTENDED WITH DATES

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1. St. John's Grammar School, Ile-Ife, Osun State, Nigeria - 1979-1984

2. Government Technical College, Otun-Ekiti, Ekiti State, Nigeria - 1986-1989
3. Federal Polytechnic, Ado-Ekiti, Ekiti State, Nigeria - 1991-1993
4. Federal Polytechnic, Ilaro, Ogun State, Nigeria - 1994-1996
5. Federal University of Technology, Akure, Ondo State, Nigeria - 1998-2001
6. Federal University of Technology, Akure, Ondo State, Nigeria - 2004-2009
7. Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia - 2009-2013

### **3. ACADEMIC QUALIFICATIONS WITH DATES**

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1. Federal Craft Certificate in Agricultural Mechanics Work - 1989
2. WAEC Technical Craft in Agricultural Mechanics Work - 1989
3. Labour Trade Test in Agricultural Mechanics Work, Class ONE (1) - 1993
4. Ordinary National Diploma in Civil Engineering (OND) - 1993
5. Higher National Diploma in Civil Engineering (HND) - 1995
6. Post Graduate Diploma in Civil Engineering (PGD) - 2001
7. Master of Engineering in Civil Engineering (M.ENG),  
STRUCTURAL ENGINEERING OPTION by Course Work  
and Research - 2009
8. Doctor of Philosophy (PH.D) in CIVIL ENGINEERING - 2013

### **4. MEMBERSHIP OF LEARNED SOCIETIES AND PROFESSIONAL BODIES**

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1. CORPORATE MEMBER of the Nigerian Institution of Engineering Management, NIEM, 2003, No: EM.0483
2. CORPORATE MEMBER of the Nigerian Society of Engineers, NSE, 2008, REG. No: 19317
3. REGISTERED CIVIL ENGINEER by the Council for the Regulation of Engineering in Nigeria, COREN, 2008, REG. No: R.15931

### **5. WORKING EXPERIENCE**

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#### **a. Academic Experience:**

##### **i. Teaching Experience (Courses Taught):**

- 1** Building Construction I - CE 111
- 2** Building Construction II - CE 121
- 3** Introductory Hydrology and Fluid Mechanics - CE 122
- 4** Engineering Geology and Basic Soil Mechanics - CE 126
- 5** Workshop Technology - CE 214

<b>6</b> Soil Mechanics	- CE 224; QS 213
<b>7</b> Concrete Technology	- CE 315
<b>8</b> Plastic Design of Steel Structures	- CE 425 A
<b>9</b> Design of Structural Steel and Timber	- CEC 409
<b>10</b> Advanced Structural Mechanics	- BT 416
<b>11</b> Hydro-Geology	- CEC 207
<b>12</b> Advanced Reinforced and Pre-stressed Concrete Design	- CEC 405
<b>13</b> Research Methodology	- CEC 401
<b>14</b> Environmental Science and Estate Services	- EST 318
<b>15</b> Introduction to Engineering Geology	- QS 123
<b>16</b> Design of Structural Elements	- CEC 306
<b>17</b> Hydrology and Hydrogeology	- CEC 302
<b>18</b> Hydraulics and Hydrology	- CEC 201
<b>19</b> Water Supply and Sanitary Engineering	- CEC 202
<b>20</b> Structural Design and Detailing II	- BLD 306
<b>21</b> Structural Design and Detailing III	- BLD 405
<b>22</b> Structural Design and Detailing IV	- BLD 406
<b>23</b> Architectural Structures	- ARC 314
<b>24</b> Foundation Design	- CEC 407
<b>25</b> Irrigation and Drainage	- CEC 424
<b>26</b> Introductory Fluid Mechanics	- CEC 107

ii **Research Interest:**

**1. ENGINEERING PROPERTIES OF COMPACTED SEDIMENTARY FORMATION (LATERITIC SOIL) MIXED WITH VARYING DEGREES OF PALM KERNEL SHELLS (Self Sponsored)**

Determination of strength parameters, coefficient of permeability, K, California bearing ratio, compaction, density, oedometer tests, consolidation parameters, etc. (Completed)

**2. SETTLEMENT POTENTIALS OF COMPACTED SEDIMENTARY FORMATION (LATERITIC SOIL) MIXED WITH VARYING DEGREES OF PLASTIC PALLETS - COMPLETED, 2018 (100% Self Sponsored)**

Determination of strength parameters, coefficient of permeability, K, California bearing ratio, compaction, density, oedometer tests, consolidation parameters, etc. Details of book chapters and journal publications derived from this research are presented below.

**3. HYDRAULIC CONDUCTIVITY OF COMPACTED SEDIMENTARY FORMATION (LATERITIC SOIL) MIXED WITH VARYING DEGREES OF PLASTIC PALLETS - COMPLETED, 2018 (100% Self Sponsored)**

Determination of coefficient of permeability, K, volume of water discharged, head difference, etc. Details of book chapter and journal publications derived from this research are presented below.

**4. DETERMINATION OF GEOTECHNICAL PROPERTIES OF ILARO SEDIMENTARY FORMATION (LATERITIC SOIL) AND EGGSHELL STABILIZED LATERITIC SOIL- COMPLETED, 2014 - 2017, (100% Self Sponsored)**

Determination of shear strength parameters, coefficient of permeability, K, California bearing ratio, compaction, density, oedometer tests, etc. Details of journal publications and international conference paper derived from this research are presented below.

**5. RECYLING OF CONCRETE WASTE -**

Investigating the possibilities of using recycled fine aggregate for making sandcrete blocks.

**6. ENGINEERING PROPERTIES OF RECYCLED CONCRETE AND USED STEEL REINFORCEMENT BARS - M.Eng Project (100% Self Sponsored)**

Determination of mechanical properties of original aggregate concrete, washed recycled aggregate concrete and unwashed recycled aggregate concrete vis-a-vis slump test, water absorption capacity, compacting factor test, specific gravity test, density, compressive strength, modulus of elasticity and flexural strength. Determination of tensile strength, yield strength, percentage elongation and percentage reduction in area of new steel of known origin, new steel of unknown origin, used steel of known origin and used steel of unknown origin for diameters ranging from 10mm to 25mm.

**7. INVESTIGATION INTO THE EFFECTIVENESS OF TREATMENT OF INDUSTRIAL WASTE AND ANALYSIS AND ASSESSMENT OF GROUNDWATER QUALITY OF BASEMENT COMPLEX AND SEDIMENTARY FORMATION OF PART OF SOUTH-WESTERN NIGERIA-**

Basement complex of Abeokuta Industrial Area, Nigeria and Sedimentary Formation of Ilaro and Oja-Odan in Ogun State, Nigeria as Case Study. Details of national conference paper and journal paper derived from this research are presented below (Completed, Self sponsored).

**8. RESPONSE OF UNDERGROUND STRUCTURES DUE TO BLAST LOADS USING FINITE ELEMENT METHOD - UNIVERSITI MALAYSIA SABAH, MALAYSIA - RESEARCH ASSISTANT : - E-science Grant Number: 03-01-10-SF-0042 (MOSTI Malaysia**

Centre for Research and Innovation (*Pusat Penyelidikan Dan Inovasi, PPI*), Universiti Malaysia Sabah, **under e-science Grant Number: 03-01-10-SF-0042 (Universiti Malaysia Sabah (UMS) Reference Number: SCF0031-IND-2007)**, Sponsored by the Ministry of Science, Technology and Innovation (Kementerian Sains, Teknologi Dan Inovasi) MOSTI, Malaysia. **Project Titled:** Response of Underground Structures Due to Blast Loads. Details of this research are presented in Thesis/Dissertation below - August 2009 to February 2011. **Project Completed and Comprehensive Report** (endorsed by Professor Dr. N.S.V. Kameswara Rao and Associate Professor Dr. M.A. Mannan) submitted to the Ministry of Science, Technology and Innovation (Kementerian Sains, Teknologi Dan Inovasi) MOSTI, Malaysia *through* the Centre For Research And Innovation (*Pusat Penyelidikan Dan Inovasi, PPI*), Universiti Malaysia Sabah. **Researchers are:** N. S. V. Kameswara Rao, M. A. Mannan and **A. J. Olarewaju.**

**9. Research Details of e-science Grant Number: 03-01-10-SF-0042 MOSTI Malaysia (Universiti Malaysia Sabah, UMS, Malaysia, Reference Number: SCF0031-IND-2007):-**

The study is aimed at determining the response of underground empty pipes due to blast loads using finite element based numerical code, ABAQUS. This is with a view to providing mitigations and design information that will assist in designing underground pipes to resist the effects of blast loads. In order to achieve this, there is need to understand the interaction and responses existing between the various components of the subject, i.e. the blast load and blast characteristics, the ground media, the pipes - (empty), and the intervening layer between the pipe and the ground using linear, elastic, homogeneous and isotropic materials. The specific objectives of the study are: To determine the blast load parameters for surface blast using Unified Facilities Criteria (2008) and using analytical method, to determine ground movement parameters for underground blast; To carry out analysis on simulated models with a view to determining the extent or magnitude of the dynamic interaction and responses between the various components using ABAQUS software package; To carry out parametric studies with varying conditions and parameters in order to have an overview and assessment of the response of underground pipes due to various blast loads; and lastly to establish design parameters and guidelines for the design of underground pipes to assist the designers. A total of 639 3-dimensional models were analyzed. Details of publications derived from this research work are: Eleven (11) Book Chapters, Nineteen (19) International Journal Papers, Fifteen (15) International Conference Proceedings,

One (1) Exhibition, ABAQUS Training, etc. These and many more are presented below.

## **10. Supervision of National Diploma (ND) and Higher National Diploma (HND) Projects.**

### **b. Administrative Experience:**

#### **i Acting Head,**

Civil Engineering Department, Federal Polytechnic Ilaro, Ogun State, Nigeria, Wednesday 14<sup>th</sup> June 2017 to Friday 23<sup>rd</sup> June 2017.

#### **ii Membership of Committees**

- 1. MEMBER, INTERNATIONAL TECHNICAL PROGRAM COMMITTEE (TPC), GEOMATE International Conference, GEOMATE International Society, Mie University, Tsu City, Mie, Japan, 2015 – Date.**
- 2. MEMBER, INTERNATIONAL TECHNICAL PROGRAM COMMITTEE (TPC), International Conference on Science, Engineering and Environment (SEE), Mie University, Tsu City, Mie, Japan, , 2015 – Date.**
- 3. MEMBER, Technical Committee on Sports Facilities, Federal Polytechnic Ilaro, Ogun State, Nigeria, August 2015.**
- 4. MEMBER, Committee on Enhancement of Career Development in Secondary Schools in Ilaro, Federal Polytechnic Ilaro, Ogun State, Nigeria, November 2016 –Date.**
- 5. MEMBER, SKTM PG NEWSLETTER COMMITTEE, School of Engineering and Information Technology (SKTM), Universiti Malaysia Sabah (UMS), 88999 Kota Kinabalu, Sabah, Malaysia, 2009-2011.**
- 6. MEMBER, Committee on the upgrading of existing FEPIL Petrol Station, A Subsidiary of POLYCONSULT and INDUSTRIAL SERVICES LIMITED, Federal Polytechnic, Ilaro, Ogun State, Nigeria, 2009.**
- 7. MEMBER, Student Union Electoral Commission (SUEC), Federal Polytechnic, Ilaro, Ogun State, Nigeria, 2009.**
- 8. MEMBER AND CHAIRMAN, Abstract and Editorial Committee, The 3<sup>rd</sup> School of Engineering Annual National Conference Committee, School of Engineering, Federal Polytechnic, Ilaro, Ogun State, Nigeria, 2016-date**

9. **MEMBER, AD-HOC COMMITTEE ON EXAMINATION**, Federal Polytechnic Ilaro, Ogun State, Nigeria. The Committee is responsible for organizing ALL Polytechnic Examinations and making appropriate recommendations to the Academic Board, 16<sup>th</sup> July, 2014 - October 2014.
10. **MEMBER, Examination Misconducts Committee**, Federal Polytechnic Ilaro, Ogun State, Nigeria, To investigate ALL examination malpractices/misconducts and make recommendations to the Academic Board, (October 2014 - to date).
11. **MEMBER, Local Organizing Committee (LOC)** - Academic Staff Union of Polytechnics (ASUP) 5<sup>th</sup> National Conference (2015), Federal Polytechnic Ilaro Chapter, Ilaro, Ogun State, Nigeria (2015).
12. **MEMBER, Ad-Hoc Committee on the Assessment of Loan Facilities / Opportunities from African Development Bank**, Federal Polytechnic Ilaro, May 2017 to date.
13. **MEMBER, Re-Accreditation Committee**, Civil Engineering Department, Federal Polytechnic Ilaro, Ogun State, Nigeria, 2016 to date.
14. **MEMBER, Project Committee**, Civil Engineering Department, Federal Polytechnic Ilaro, Ogun State, Nigeria, 2013 to date.
15. **CHAIRMAN, Site Visitation Committee**, Civil Engineering Department, Federal Polytechnic Ilaro, Ogun State, Nigeria, 2014 to date.

## **6. SERVICES OUTSIDE THE FEDERAL POLYTECHNIC ILARO**

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### **a. Examiner::**

The Nigerian Society of Engineers (NSE), Lagos Centre Professional Interview, 2016 to 2018.

### **b. Chairmanship at Conference::**

**Plenary Session**, Pure and Applied Science, Engineering and Technology, 2017 National Conference on Quality Assurance in Polytechnic Education: A Veritable Tool for Technological and Economic Advancement in Nigeria, Organized by the Gateway ICT Polytechnic Saapade, Km 55, Ibadan-Lagos Expressway, Saapade Estate, P.M.B 2003, Isara-Remo, P.M.B 2004, Ode-Remo, Ogun State, Nigeria, 17<sup>th</sup> to 19<sup>th</sup> October, 2017.

### **c. Editor and Editorial Advisory Board Membership:**

1. **International Journal of Advances in Engineering Materials and Processes, IJAEMP**, Open Access Journal, ISSN: 2550-7230, Website: <http://www.ijari.org.ng> E-mail: [ijaemp@ijari.org.ng](mailto:ijaemp@ijari.org.ng), (**Editor**), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
2. **International Journal of Advanced Modeling and Analysis in Engineering, IJAMAE**, Open Access Journal, ISSN: 2550-7206, Website: <http://www.ijari.org.ng> E-mail: [ijamae@ijari.org.ng](mailto:ijamae@ijari.org.ng), (**Editor**), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
3. **International Journal of Applied Geophysics and Computational Fluid Mechanics, IJAGCFM**, Open Access Journal, ISSN: 2550-7222, Website: <http://www.ijari.org.ng> E-mail: [ijagcfm@ijari.org.ng](mailto:ijagcfm@ijari.org.ng), (**Editor**), 2016 – date.  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
4. **International Journal of Advances in Civil and Infrastructure Engineering, IJACIE**, Open Access Journal, ISSN: 2550-7192, Website: <http://www.ijari.org.ng> E-mail: [ijacie@ijari.org.ng](mailto:ijacie@ijari.org.ng), (**Editor**), 2016 – date.  
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<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
5. **International Journal of Academy of Engineering Research and Theory, IJAERT**, Open Access Journal, ISSN: 2545-5931, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), (**Editor**), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
6. **International Journal of Petrochemical and Agro-Allied Research, IJPAAR**, Open Access Journal, ISSN: 2545-5923, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), (**Editor**), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
7. **International Journal of Advanced Structural and Robotic Engineering, IJASRE**, Open Access Journal, ISSN: 2545-5656, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), (**Editor**), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>

<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>

**8. International Journal of Advanced Geotechnic and Impact Engineering, IJAGIE,** Open Access Journal, ISSN: 2545-5559, Website: <http://perfectengineeringassociates.com>  
Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), (**Editor**), 2016 – date.

<https://plus.google.com/u/0/114164787710505175266>

<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>

**9. International Journal of Academic Research and Innovation, IJARI,** Science, Engineering, Seismology, Environment and Innovation (Open Access Journal), ISSN: 2545 – 5214, Website: <http://ijari.org.ng/> E-mail: [editor@ijari.org.ng](mailto:editor@ijari.org.ng) (**Editor**), 2016 – date.

<https://plus.google.com/u/0/114164787710505175266>

<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>

**10. International Journal of Advanced Multidisciplinary Academic Research and Development, IJAMARD,** Open Access Journal, ISSN: 2545-5354, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), (**Editor**), 2016 - date

<https://plus.google.com/u/0/114164787710505175266>

<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>

**11. Electronic Journal of Geotechnical Engineering, EJGE,** (Open Access Journal), ISSN 1089-3032, Oklahoma, United States of America, (*Editorial Advisory Board Member*), 2010 – 2012.

**12. International Journal of Agricultural and Biological Engineering, IJABE,** (Open Access Journal), ISSN 1934-6344, e-ISSN 1934-6352, Jointly published by Association of Overseas Chinese Agricultural, Biological, and Food Engineers (AOCABFE) and Chinese Society of Agricultural Engineering (CSAE), China, (*Editorial Board Member*), 2012 – date.

**d. Reviewer of International (Scientific) Journals and International Conferences:**

**1. International Journal of Advances in Engineering Materials and Processes, IJAEMP,** Open Access Journal, ISSN: 2550-7230, Website: <http://www.ijari.org.ng> E-mail: [ijaemp@ijari.org.ng](mailto:ijaemp@ijari.org.ng), 2016 – date.

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<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>

2. **International Journal of Advanced Modeling and Analysis in Engineering, IJAMAE**, Open Access Journal, ISSN: 2550-7206, Website: <http://www.ijari.org.ng> E-mail: [ijamae@ijari.org.ng](mailto:ijamae@ijari.org.ng), 2016 – date.  
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<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
3. **International Journal of Applied Geophysics and Computational Fluid Mechanics, IJAGCFM**, Open Access Journal, ISSN: 2550-7222, Website: <http://www.ijari.org.ng> E-mail: [ijagcfm@ijari.org.ng](mailto:ijagcfm@ijari.org.ng), 2016 – date.  
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<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
4. **International Journal of Advances in Civil and Infrastructure Engineering, IJACIE**, Open Access Journal, ISSN: 2550-7192, Website: <http://www.ijari.org.ng> E-mail: [ijacie@ijari.org.ng](mailto:ijacie@ijari.org.ng), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
5. **International Journal of Academy of Engineering Research and Theory, IJAERT**, Open Access Journal, ISSN: 2545-5931, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
6. **International Journal of Petrochemical and Agro-Allied Research, IJPAAR**, Open Access Journal, ISSN: 2545-5923, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
7. **International Journal of Advanced Structural and Robotic Engineering, IJASRE**, Open Access Journal, ISSN: 2545-5656, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), 2016 – date  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
8. **International Journal of Advanced Geotechnic and Impact Engineering, IJAGIE**, Open Access Journal, ISSN: 2545-5559, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com), 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>

<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>

9. **International Journal of Advanced Multidisciplinary Academic Research and Development, IJAMARD** (Open Access Journal),, ISSN: 2545-5354, Website: <http://perfectengineeringassociates.com> Email: [editor@perfectengineeringassociates.com](mailto:editor@perfectengineeringassociates.com),, 2016 – date.  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
10. **International Journal of Academic Research and Innovation, IJARI**, Science, Engineering, Seismology, Environment and Innovation (Open Access Journal), ISSN: 2545 – 5214, Website: <http://www.ijari.org.ng> E-mail: [editor@ijari.org.ng](mailto:editor@ijari.org.ng), 2016 - date  
<https://plus.google.com/u/0/114164787710505175266>  
<https://plus.google.com/u/0/app/basic/114164787710505175266/posts?cbp=179betnt7mesz&sview=25&cid=5&soc-app=115&soc-platform=1>
11. **GEOMATE** (A Scientific International Journal on Geotechnique, Construction Materials and Environment) - International Journals and International Conferences, Mie University, Tsu city, Mie, Japan, Effective from July 6, 2014 to date.
12. **International Conference on Science, Engineering and Environment (SEE)**, Mie University, Tsu City, Mie, Japan, 2014 to date.
13. **Scientific Research and Essays, SRE**, Academic Journals, Website: <http://www.academicjournals.org/SRE>.
14. **International Journal of Science and Technology Education Research, IJSTER**, Academic Journals, Website: <http://www.academicjournals.org/IJSTER>.
15. **African Journal of Agricultural Research, AJAR**, Academic Journals (Open Access Journal), Website: <http://www.academicjournals.org/ajar>.

## 7. ACADEMIC DISTINCTION AWARD WITH DATES

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- a. The best student in the overall **TECHNICAL / CRAFT EXAMINATION** in Agricultural Mechanics Department, Government Technical College, Otun-Ekiti, Ekiti State, Nigeria, 1989 (**PRIZE**).
- b. The best student in the overall **OND EXAMINATION** in Civil Engineering Department, Federal Polytechnic, Ado-Ekiti, Ekiti State, Nigeria, 1993 (**PRIZE**).

- c. The best student in the overall **HND EXAMINATION** in Civil Engineering Department, Federal Polytechnic, Ilaro, Ogun State, Nigeria, 1996 (**PRIZE**).
- d. The best student in overall School of Engineering **HND EXAMINATION**, Federal Polytechnic, Ilaro, Ogun State, Nigeria, 1996 (**DIRECTOR/DEAN OF SCHOOL PRIZE**).
- e. The best student in overall **PGD EXAMINATION**, Federal University of Technology, Akure, Ondo State, Nigeria, 2001.

## 8. ACADEMIC PUBLICATIONS

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### a. Journals:

1. **Olarewaju, A. J., (2019)**. Effects of Loading Wave Velocity on Various Behaviors of Underground Structures (Pipes), *International Journal of Applied Geophysics and Computational Fluid Mechanics* (IJAGCFM) ISSN (Online): 2550-7222, <http://ijari.org.ng> (Accepted, under publishing processes).
2. **Olarewaju, A. J., (2019)**. Effects of Varying Parameters on Underground Structures (Pipes) Due to Seismic Action of Surface Accidental Explosion, *International Journal of Advances in Civil and Infrastructure Engineering* (IJACIE) ISSN (Online): 2550-7192, <http://ijari.org.ng> (Accepted, under publishing processes).
3. **Olarewaju, A. J., (2019)**. Variation of Energy and Principal Stress Components in Underground Structures Due to Seismic Action of Surface Accidental Explosion, *International Journal of Advanced Modeling and Analysis in Engineering* (IJAMAE) ISSN (Online): 2550-7206, <http://ijari.org.ng> (Accepted, under publishing processes).
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**b. Book Chapters:**

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### c. Conference Proceedings

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2. Olarewaju, A. J. (2017), Water Disaster Risk Reduction Through Seismic Vulnerability Assessment of Simulated Underground Pipes, *XVI World Water Congress (WWC), International Water Resources Association (IWRA)*, Cancun Convention Center, Cancun, Quintana, Roo, Mexico, May 29-June 2, 2017 (Poster Presentation).
3. Olarewaju, A. J. (2015). Numerical Solution Approach to the Dynamic Response of Simulated Underground Structures Due to Various Accidental Explosions, *The First International Conference on Science, Engineering and Environment (SEE)*, Organized by Mie University, 1577 Kurima Machiya-cho, Tsu City, Mie 514-8507, Japan, Published by the GEOMATE International Society, Tsu City,

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*Resources and Environmental Management Conference (3-SANREM)*, on Sustainable Development Towards Better Quality of Life, 3<sup>rd</sup> – 5<sup>th</sup> August, School of Science and Technology, Universiti Malaysia Sabah, Malaysia, ISBN: 978-983-2641-59-9, pp 384 – 391.

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20. **Olarewaju, A. J.**, Akinboboye, A. A. O. and Aikulola, A. O. (2007). Quality Assessment of Various Water Sources in Ilaro (Yewa South Local Government) and Oja-Odan (Yewa North Local Government), *3<sup>rd</sup> National Conference on Repositioning Nigeria's Technological Development through Applied Science and Technology*, School of Applied Sciences and Technology, Federal Polytechnic, Offa, Kwara State, Nigeria, 18<sup>th</sup> - 21<sup>st</sup> October, Book of Abstract pp 36.
21. Arum, C. and **Olarewaju, A. J.** (2005). Quality Control in Civil Engineering Construction, *Proceedings of the 3<sup>rd</sup> National Civil Engineering Conference of the Nigerian Institution of Civil Engineering on the Strategies for Enhancing the Civil Engineering Profession in Nigeria*. Nigerian Institution of Civil Engineers (A Division of the Nigerian Society of Engineers), held at Prof. T. Francis Auditorium, Federal University of Technology, Akure, Ondo State Nigeria, 27<sup>th</sup> – 28<sup>th</sup> October, pp 63 - 69.

**d. Exhibition:**

Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia, **Pereka Exhibition (2010). Blast Effects on Underground Structures, Research Category, BROZE**

**MEDAL (GANGSA)**, Pertandingan Penyelidikan and Rekacipta (Pereka), 5<sup>th</sup> - 6<sup>th</sup> April, **Researchers:-** Kameswara Rao, N.S.V, Mannan, M.A. and **Olarewaju, A. J.** (Poster Presentation).

**e. Seminar Papers:**

1. **Olarewaju, A. J. et al.** (2005). **DESIGN OF INYISHI DAM FOR IKEDURU LOCAL GOVERNMENT AREA OF IMO STATE, NIGERIA**, M.ENG Seminar Paper on Course Titled: Design of Earth and Rock Dams (CVE 826), Civil Engineering Department, Federal University of Technology, Akure, Ondo State, Nigeria, March.
2. **Olarewaju, A. J.** (2004). **HYDROLOGIC STUDIES OF DAM SITES**, M.ENG Seminar Paper on Course Titled: Design of Dams and Retaining Structures (CVE 825), Civil Engineering Department, Federal University of Technology, Akure, Ondo State, Nigeria, June.
3. **Olarewaju, A. J.** (2004). **SOIL STABILIZATION**, M.ENG Seminar Paper on Course Titled: Advanced Soil Mechanics (CVE 821), Civil Engineering Department, Federal University of Technology, Akure, Ondo State, Nigeria, June.

**f. Thesis / Dissertation:**

- i. **STRUCTURAL DESIGN OF TWO-STOREY OFFICE BUILDING - OND THESIS, (1993)** – Structural Design of Solid Slabs, Beams, Lintel, Columns, Isolated pad Footings and Stairs.
- ii. **MONITORING OF OVERHEAD WATER TANK - HND THESIS, (1996)** – Monitoring of overhead water tank and densification of control points at the East Campus of the Federal Polytechnic, Ilaro, Ogun Sate, Nigeria: Establishment of control points around, outside and on the body of the overhead water tank. Running of traverse survey and leveling from two controls (**ZTT/21/1 AND ZTT/21/2**) of known co-ordinates and reduce levels to establish the co-ordinates and reduce levels of all the control points. Processing and running of data/results using least square methods – observation equation and condition equation.
- iii. **STRUCTURAL DESIGN OF A SPORTS COMPLEX FOR IFE-EAST LOCAL GOVERNMENT AREA OF OSUN STATE, NIGERIA - PGD THESIS, (2000)** – Structural design of steel roof trusses, stanchion and column bases to BS 5950. Design of flat slabs, columns stairs, pad footings, etc to BS 8110.

- iv. **ENGINEERING PROPERTIES OF RECYCLED CONCRETE AND USED STEEL REINFORCEMENT BARS - M.ENG THESIS, (2008).**
- v. **A STUDY ON THE RESPONSE OF UNDERGROUND PIPES DUE TO BLAST LOADS - PH.D THESIS, (2013).**

## **9. COMMUNITY SERVICE**

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Structural Design and Construction of different Churches in Nigeria: Structural design of MANSAD steel roof trusses, stanchions, column bases to BS 5950, structural design of solid slabs, beams, lintels, columns, stairs and pad footings TO BS 8110 - 2002 - 2009.

Structural Design and Construction of Residential Buildings in Nigeria - 2002 - 2009.

Structural Design, Construction and Supervision of a Church Auditorium for the Redeemed Christian Church of God, Alishiba Sango, Ogun State, Nigeria - April 2006 - 2009.

Structural Design of a Storey Hall for Catholic Church, Abeokuta, Ogun State, Nigeria using **SAP 2000, VERSIONS 9 and 14, Finite element based numerical code** to design steel roof truss, stanchion to **BS 5950**, beams, columns and stairs to **BS 8110** - April, 2009.

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## **10. EXTRA-CURRICULAR ACTIVITIES**

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Reading, Singing, Traveling and Driving.

## **11. REFEREES**

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