

## BIOGRAPHY



**JOSEPHAT CHUKWUGOZIE EZEOKONKWO** is a **Senior Lecturer** (Construction Materials, Soil Mechanics and Foundation Engineering, Transportation and Highway Engineering) in the Department of Civil Engineering, University of Nigeria, Nsukka. He obtained B. Eng (Civil Engineering, 1985), Anambra State University of

Technology, Enugu and M. Eng. (Structural Engineering, 1988), University of Nigeria, Nsukka. M. Eng. (Soil Mechanics and Foundation Engineering, 2015), University of Nigeria, Nsukka. Winner, African Concord Essay Competition 1986. Corporate member, Nigeria Society of Engineers (**MNSE**). Registered Engineer, Council for the Regulation of Engineering in Nigeria (**RECOREN**). **Fellow** Strategic Institute for Natural Resources and Human Development (**FRHD**). He worked Civil Engineer with **IIC Construction Company Ltd**, Onitsha engaged on construction of Orumba South Secretariat, Umunze, Anambra State; GMO Nail Factory, Onitsha and Workshop complex for the Centre for Adaptation of Technology, Abba, Anambra State 1989 – 1991. He has written a number of **site investigation reports** on some projects. The Acting Head, Department of Civil Engineering, University of Nigeria, Nsukka 2010/2011 and 2011/2012 sessions. He has participated in some national conferences where he presented papers. He has published over Twenty-three scientific papers and books. Research interests are in the area of Sandcrete Blocks; Trenchless technology: Applications and Uses; Geotechnical Properties of Termite Mounds and their Applications; Waste Water and its effect on the geotechnical Properties of Nigerian soils and Soil stabilization by Biocementation and Bioclogging. He is happily married with children. E-mail: [josephat.ezeokonkwo@unn.edu.ng](mailto:josephat.ezeokonkwo@unn.edu.ng) Phone Number: +234 (0) 8063063078

## AREA OF SPECIALIZATION

1. Structural Engineering
2. Soil Mechanics and Foundation Engineering

## MEMBERSHIP OF PROFESSIONAL BODIES

1. Corporate Member Nigeria Society of Engineers (MNSE) (R. 20198)
2. COREN Registered (R. 25,259)

3. Fellow Strategic Institute for Natural Resources and Human Development (FRHD) (R. 5995)

## PUBLICATIONS

### Journal Publications

1. Agunwamba, J. C., **Ezeokonkwo, J. C.** and Onyia, M. E. (2016). Comparative Analysis of the Compressive Strength of Hollow Sandcrete Blocks with Different Cavities Arrangement. Nigerian Journal of Technology (NIJOTECH). Vol. 35, No. 2, pp. 242 - 253. <http://dx.doi.org/10.4314/njt.v35i2.3>
2. Agunwamba, J. C., **Ezeokonkwo, J. C.**, Onyia, M. E., Ojiogu, E. and Amadou, A. (2016). Theoretical Investigation of Stresses Distributions in Hollow Sandcrete Blocks due to Variation of Cavity Sizes and Number Web Thickness. Nigerian Journal of Technology (NIJOTECH). Vol. 35, No. 2, pp. 254 - 259. <http://dx.doi.org/10.4314/njt.v35i2.4>
3. **Ezeokonkwo, J. C.**, Nwoji, C. U. (2014). "Review of Trenchless Technologies Successes and their Dependence on Precise Geotechnical Investigation"., Nigerian Journal of Technology, Vol. 23 No, 1; pp 53 – 57. <http://www.nijotech.com/index.php/nijotech/article/download/814/679>
4. **Ezeokonkwo, J. C.**, Nwoji, C. U., Ezugwu, K. E. and Aneke, N. C. (2014). "Structural and Economic Viability of 2D/3D Finite Element of Analysis of Conical Arched Roof"., Nigerian Journal of Technology, Vol. 33 No, 3; pp 53 – 57. <http://www.nijotech.com/index.php/nijotech/article/download/812/677>
5. Apebo, N. S; Agunwamba, J. C; **Ezeokonkwo, J. C.** (2014). "The suitability of crushed over burnt bricks as coarse aggregates for concrete"., International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 3, Issue 1, January, pp. 315-321. [http://ijesit.com/Volume%203/Issue%201/IJESIT201401\\_39.pdf](http://ijesit.com/Volume%203/Issue%201/IJESIT201401_39.pdf)
6. Apebo, N. S; Shiwua, A. J; Agbo, A. M; **Ezeokonkwo, J. C** and Adeke, P. T. (2013). "Effect of Water-Cement Ratio on the Compressive Strength of gravel - crushed over burnt bricks concrete"; Civil and Environmental Research; Vol.3, No.4, p 74 – 81. <http://www.iiste.org/Journals/index.php/CER/article/viewFile/5050/5149>
7. **Ezeokonkwo, J. C** and Kalu, A. K. (2013) "Effect of the Mixing Water Temperature on Cement Paste"; Proceedings International Conference on Advances in Cement and Concrete Technology in Africa Johannesburg, South Africa, January 28- 30 [http://www.infosis.bam.de/en/accta\\_media/accta\\_afrika\\_book\\_of\\_abstracts.pdf](http://www.infosis.bam.de/en/accta_media/accta_afrika_book_of_abstracts.pdf)
8. **Ezeokonkwo, J. C** and Abadom, C. P (2013) "The Effects of the Mixing Water Temperature on sandcrete cubes Strength"; Proceedings Conference on Advances in Cement and Concrete Technology in Africa Johannesburg, South Africa, January 28- 30. [http://www.infosis.bam.de/en/accta\\_media/accta\\_afrika\\_book\\_of\\_abstracts.pdf](http://www.infosis.bam.de/en/accta_media/accta_afrika_book_of_abstracts.pdf)

9. **Ezeokonkwo, J. C.** (2012) "*Optimisation of Cavity Size in Hollow Sandcrete Blocks*"; Journal of Emerging Trends in Engineering and applied Sciences (JETEAS); Vol. 3 No 1, February, pp 86-90.  
<http://jeteas.scholarlinkresearch.org/articles/Optimisation%20of%20Cavity%20Size%20in%20Hollow%20Sandcrete%20Blocks.pdf>
  
10. **Ezeokonkwo, J. C** and Nwoji, C. U. (2012) "*The Load Carrying Capacity of Hollow Sandcrete Blocks*"; Journal of Emerging Trends in Engineering and applied Sciences (JETEAS); Vol. 3 No 1, February, pp 75-80.  
<http://jeteas.scholarlinkresearch.org/articles/The%20Load%20Carrying%20Capacity%20of%20Hollow%20Sandcrete%20Blocks.pdf>
  
11. **Ezeokonkwo, J. C.** (2012) "*Estimating the Uniaxial Compressive Strength of Hollow Sandcrete Blocks*"; Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS); Vol. 3 No 3, June, pp 502-506.  
<http://jeteas.scholarlinkresearch.org/articles/Estimating%20The%20Uniaxial%20Compressive%20Strength%20of%20Two-Cell%20Hollow%20Sandcrete%20Blocks.pdf>
  
12. **Ezeokonkwo, J. C.** (2011) "*Engineering Properties of NPK Fertilizer Modified Soil*", Journal of Emerging Trends in Engineering and applied Sciences (JETEAS); Vol. 2 No 6, December, pp 962-966  
<http://jeteas.scholarlinkresearch.org/articles/Engineering%20Properties%20of%20NPK%20Fertilizer%20Modified%20Soil.pdf>
  
13. **Ezeokonkwo, J. C** and Nwoji, C. U. (2011) "*Uniaxial Compressive Strength of Polypropylene Fibre Reinforced Sandcrete Cubes*"; Journal of Emerging Trends in Engineering and applied Sciences (JETEAS); Vol. 2 No 6, December, pp 1020-1025.  
<http://jeteas.scholarlinkresearch.org/articles/Uniaxial%20Compressive%20Strength%20of%20Polypropylene%20Fibre%20re.pdf>
  
14. Agunwamba, J. C., Nwoji, C. U., **Ezeokonkwo, J. C** and Solomon, P. B. (2010). "*Comparison of Performance of Public and Private Boreholes*", Nigerian Journal of Technology; Vol. 29 No, 3; pp 42 – 47.  
<http://nijotech.draxarts.com/index.php/nijotech/article/download/89/73>
  
15. **Ezeokonkwo, J.C.** (2004) "*Damaging Effects of Dieldrex-20 on the Compressive Strength of Concrete*", Nigerian Journal of Technology; Vol. 23 No, 1; pp 53 – 57.  
<http://nijotech.com/index.php/nijotech/article/download/504/462>
  
16. **Ezeokonkwo, J.C.** and Ebenebe, C. O. (2000) "*Effects of Geometry on the Compressive Strength of Hollow Sandcrete Cubes*", International Journal of Engineering Sciences and Technology, Vol. 2, No 1, April, pp 9 – 21.  
[https://www.researchgate.net/publication/254257473\\_Effects\\_of\\_Geometry\\_on\\_the\\_Compressive\\_Strength\\_of\\_Hollow\\_Sandcrete\\_Cubes](https://www.researchgate.net/publication/254257473_Effects_of_Geometry_on_the_Compressive_Strength_of_Hollow_Sandcrete_Cubes)

17. **Ezeokonkwo, J.C.** (2000) "Influence of Orientation and Size of Voids on Concrete Cube Strength" Nigeria Journal of Technology; Vol. 19, No 1, pp 29 – 39. <http://nijotech.com/index.php/nijotech/article/download/440/399>

#### **EDITORSHIP OF BOOKS**

1. Nnabuko, J.O., Onyishi, A. and **Ezeokonkwo, J.C.** (eds) 2003, **Vocational Skills: Learner's Course Book 1.** Unicef (Non-Formal Education).
2. Nnabuko, J.O., Onyishi, A. and **Ezeokonkwo, J.C.** (eds) 2003, **Vocational Skills: Learner's Course Book 2.** Unicef (Non-Formal Education).
3. Nnabuko, J.O., Onyishi, A. and **Ezeokonkwo, J.C.** (eds) 2003, **Vocational Skills: Instructor's Guide Book 1.** Unicef (Non-Formal Education).
4. Nnabuko, J.O., Onyishi, A. and **Ezeokonkwo, J.C.** (eds) 2003, **Vocational Skills: Instructors Guide Book 2.** Unicef (Non-Formal Education).

#### **AUTHORED BOOKS**

1. Ngwu, P.N.C., Nnabuko, J.O., Onyishi, A., Idimogu, G.O., Lemchi, S.N., Chinyere Ezirim, M.U., Ugwueze, A.O., Ugwuanyi, I. and **Ezeokonkwo, J.C.** (2003) **Vocational Skills: Learner's Book 2.** Unicef (Non-Formal Education).
2. Ngwu, P.N.C., Nnabuko, J.O., Onyishi, A., Idimogu, G.O., Lemchi, S.N., Chinyere., Ezirim, M.U., Ugwueze, A.O., Ugwuanyi, I. and **Ezeokonkwo, J.C.** (2003), **Vocational Skills: Instructors Book2.** Unicef (Non-Formal Education).

#### **WORKING EXPERIENCE**

1. He worked as Civil Engineer with IIC Construction Company Ltd, Onitsha.
2. Engaged on construction of Orumba South Secretariat, Umunze, Anambra State; GMO Nail Factory, Onitsha and Workshop complex for the Centre for Adaptation of Technology, Abba, Anambra State 1989-1991.
3. He has written a number of site investigation reports on some projects.
4. Resource Lecturer on Civil Engineering Course for the Batch 12 Shell Intensive Training Programme (SITP), Warri, Delta State in 2007.
5. Visiting Senior Lecturer in the Department of Civil Engineering, Federal University of Technology, Yola 2006 – 2012
6. Participated in the Appraisal of New Geotechnologies for use in Site Preparation and Road/Location Construction Works in The Shell Petroleum Development Company (SPDC) between 2007 and 2008.

7. The Acting Head, Department of Civil Engineering, University of Nigeria, Nsukka 2010/2011 and 2011/2012 sessions.
8. He has participated in some national conferences where he presented papers. He has published over twenty-three scientific papers and books.