

THE FEDERAL POLYTECHNIC, ILARO

BIODATA

- a. **Name :** OGUNFAYO, Idowu Kaothara
- b. **Date & Place of Birth:** May 16, 1959, Ibadan
- c. **Gender :** Female
- d. **State of Origin:** Oyo State
- e. **Nationality:** Nigerian
- f. **Marital Status:** Widow
- g. **Number of Children:** Three (3)
- h. **Religion:** Islam
- i. **Contact Address:** Deputy Rector's Office, The
Federal Polytechnic, P.M.B. 50, Ilaro.
- j. **E-mail Addresses:** deputy.lector1@federalpolyilaro.edu.ng,
idowu.ogunfayo@federalpolyilaro.edu.ng,
- k. **Telephone numbers:** +2348056076757, +2348166204332
- l. **Present Position:** Deputy Rector

2. INSTITUTIONS ATTENDED WITH DATES

- a) H.L.A. Primary School, Aremo, Ibadan Jan. 1966 - Dec. 1971
- b) Yejide Girls Grammar School, Molete, Ibadan Jan. 1972 – June 1976
- c) Kaduna Polytechnic, Kaduna Sept. 1976 – June 1981
- d) Ogun State University, Ago Iwoye Mar. 1997 – Apr. 1998
- e) Federal University of Technology, Akure Nov. 2001 – Dec. 2003
- f) NUC Virtual Institute of Higher Education Pedagogy Nov. 1 -31, 2003

3. ACADEMIC QUALIFICATIONS WITH DATES

- a) West African School Certificate (WASC) June 1976
- b) National Diploma in Civil Engineering June 1979
- c) Higher National Diploma in Civil Engineering June 1981
- d) M.Sc. Transport studies April 1998
- e) Certificate in Education (VIHEP) Nov., 2003
- f) Post Graduate Diploma in Civil Engineering Dec., 2003

4. PROFESSIONAL QUALIFICATION

- **Registered Member** **COREN** R13178

5. MEMBERSHIP OF PROFESSIONAL BODIES

- a) Nigerian Society of Engineers (NSE) Corporate Member No.21850
- b) American Society of Civil Engineers (ASCE) Associate Member
- c) Nigerian Institute of Training and Development Member
- d) Nigerian Institution of Engineering Management “
- e) Women in Technical Education and Employment (WITED) “

5. WORKING EXPERIENCE

1. National Youth Service Corps (NYSC) Aug., 1981 – July 1982
Obudu Local Government Authority, Cross River State
In charge of the Maintenance Department of the Local Government
Team Leader of NYSC Community Development Project

2. Consultancy Experience (Civil/Structural Engineer)
Toffs Consultancy - 33, Awolowo Road, Bodija, Ibadan. Sept., 1982 – April 1985
Duties include:
 - i. Supervision of the construction of Conpole Nigeria Limited Factory and Administrative Building at Moniya.
 - ii. Structural Design and Detailing of many residential buildings.
 - iii. Supervision of the construction of some of these buildings.
 - iv. In charge of the drawing office.

3. **a. Academic Experience - Federal Polytechnic, Ilaro**
Teaching experience: August 1985 to date
Taught courses such as Structural Mechanics, Strength of Materials, Building Construction, Theory of Structures,
Presently teaching of the following courses;
 - i. Introduction to Highway Engineering CEC 203
 - ii. Theory of Structures BLD 301
 - iii. Traffic Engineering CEC 411

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|-----|------------------------------------|---------|
| iv. | Alternative Transportation Systems | CEC 412 |
| v. | Final Year Project | CEC 402 |

Research Areas

- Use of wastes materials as substitutes for aggregates in concrete
- Use of local materials (plastic, fibres, laterite etc.) in construction

Academic Leadership Position: Departmental Examination Officer 2006 - 2009

b. Administrative Experience

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|-------------------------------|--|-------------|----------------------------|
| i. | Deputy Rector | | November 5, 2018 to date |
| ii. | Dean, Directorate of Student Affairs | | Jan.1, 2015 – Nov. 4, 2018 |
| iii. Membership of Committees | | | |
| a) | Academic Board Member | | Jan. 2015 to date |
| b) | 40 th Founder’s Day & 19 th Convocation Ceremonies Com. Chairman | | Jan. - Oct. 2019 |
| c) | Security Committee | Chairman | Nov. 2018 to date |
| d) | Sports Committee | Chairman | Jan. 2015 – to date |
| e) | Medical Management Committee | Member | 2015 to 2018 |
| f) | Polytechnic Property Management Committee | “ | “ |
| g) | Security Committee | “ | “ |
| h) | Ceremonies Committee | “ | “ |
| i) | 2nd National Conference of School of Engr. Comm. Chairman | | Nov. 2014 |
| j) | Students Project Committee | Member | 2012 – Dec. 2014 |
| k) | Adhoc Committee on a Student’s Allegation | Member | Dec. 2012 |
| l) | Anti-Corruption and Transparency Monitoring Unit (ACTU) | “ | Dec. 2010 to date |
| m) | 1 st National Conference of School of Eng. Exhibition Committee | “ | Nov. 2010 |
| n) | ASUP Public Lecture Committee | “ | Mar. 2010 |
| o) | Committee on Investigation of Falsification of Diploma Result | “ | Oct. 2010 |
| p) | Committee on the Distribution of Laptops (Adhoc) | “ | July 2010 |
| q) | Academic Awards Committee (Adhoc) | “ | Apr. 2008 |
| r) | Housing Committee | “ | 2006 – Dec. 2014 |
| s) | Academic Awards Committee | Member | April ‘08 to 2016 |
| t) | Sports Re-organisation Committee (Adhoc) | Member/Sec. | April 2008 |

u) Academic Board (Academic Staff Rep.)	Member	April '08 to date
v) Dept. of Civil Engineering Practical Manual Comm.	Chairperson	April 2007
w) Investigative Panel on Student Crisis	Member	March 2006
x) Housing Committee	“	2006 to date
y) Restructuring of Part-Time Programme (Adhoc)	“	May 2005
z) Examination Malpractice Committee	Member	1999 – 2005
aa) Ceremonies Committee	“	1990 - 2006

COMMUNITY SERVICE

1. Structural Engineering Consultant for the New Ilaro Central Mosque Project.
2. Examination Supervisor – Joint Admission Matriculation Board Examinations (JAMB) – 2010, 2011, 2013.
3. Deputy Chairman – Muslim Community, Federal Polytechnic Ilaro
4. Project Secretary – Nasirullah-il-Fathi Society of Nigeria (NASFAT), Ilaro

JOURNAL PUBLICATIONS

- Ogunfayo, I.K., Soyemi, O.B., and Mustapha, I.A. (2015): Structural Behaviour of Fibre Reinforced Concrete Using PET Bottles. *ARPJ Journal of Science and Technology*. Vol5, No. 3. pp 125-129. ISSN 2225-7217.
- Soyemi, O.B. and Ogunfayo, I.K. (2015): Experimental Study of the Structural Behaviour of Fibre Reinforced Concrete Using Cassava Strand (Central Vascular Fibre CVF) Waste. *ARPJ Journal of Science and Technology*. Vol5, No. 3. pp 130-133, ISSN 2225-7217.
- Ogunfayo, I.K., Soyemi, O.B and Sanni, A.O. (2015): Flexural Properties of Finely Granulated Plastic Waste as a Partial Replacement of Fine Aggregate in Concrete. *International Journal of Engineering Sciences*. ISSN 2306-6474.
- Ogunfayo, I.K. (2013): The Economic Viability of Fan Palm Wood (*Borassus Aethiopum*) as a Construction Material in Nigeria: A Case Study of Ogun State. *Interactions: Journal of Multi-Disciplinary Studies*. Vol 5. No1. pp 52-56, ISSN 0794-4993.
- Akinboboye, F.A.O., Ogunfayo, I.K. and Dawodu, H.A. (2012): Assessment of the Severity of CO₂ Emission from Anthill Soils used as Replacement for Shale in Cement Manufacture. *International Journal of Academic Research in Business and Social Sciences*, Dec. 2012, Vol.2, No. 12, pp 145-149, ISSN: 2222-6990.
- Sadiku, M.K., Ogunfayo, I.K. (2012): Use of ICT in Engineering Practice in Nigeria: The Perspective of Small and Medium Scale Civil Engineering Practice”, published in the

Book of Readings of the 2nd National Engineering Conference of the School of Engineering, Federal Polytechnic, Ilaro. pp. 1377-141.

- Sadiku, M.K., Ogunfayo, I.K. and Ezekiel, I.D. (2011): “Appraising the Current State and Focus of Technical Education in Nigeria towards the Realization of Vision 20:2020” published in the Book of Readings of the 4th National Conference of Academic Staff Union of Polytechnic (ASUP), Federal Polytechnic, Ilaro Chapter. pp. 72-76.
- Ogunfayo, I.K. and Akinboboye, F.A.O. (2011): “Technical and Vocational Education and Training and Sustainable Human Resources Development in Nigeria” published in the Book of Readings of the 4th National Conference of Academic Staff Union of Polytechnics (ASUP), Federal Polytechnic, Ilaro Chapter. pp.33-38.
- Ogunfayo, I.K. and Balogun, M.O. (2010): The Use of laterite as Substitute for Sand in the Manufacture of Building Blocks, *Journal of Management and Technology*, Vol. 2, No.2, pp 44-48.
- Ogunfayo, I.K. and Balogun, M.O. (2010); “Alleviating Poverty Through Housing: The Use of Laterite Blocks in Construction”, *JO-WITED* Vol. 6, No. 2, pp 227-232.

BOOK PUBLICATIONS

1. Soyemi, O.B., Ogunfayo, I.K. et al (2013), “Design of Structural Elements” published by Effect Graphics, ISBN : 978-978-945-796-0.
2. Sadiku M.K. and Ogunfayo I.K. (2014), “Concrete and Construction Technology Revision Notes” published by Effect Graphics, ISBN : 978-976-945-797-7.
3. Awe E.A., Olamoju A. M. and Ogunfayo I. K. (2014), Building Materials – Technology, Properties and Applicability, Volume 1, ISSN: 978-33220-03.
4. Ogunfayo I. K. Aikulola O. A, Soyemi O. B. and Feyisitan O. K.(2013), “2nd School of Engineering Conference Book of Readings”, published by Kinsbond Publishers.

PAPERS PRESENTED AT CONFERENCES

1. Ogunfayo, I.K., Soyemi, O.B and Sanni, A.O. (2015): “An Investigation into the Use of Granulated Plastic Waste as a partial Replacement of Fine Aggregate”, presented at the ASUP National Conference held at Ilaro, 11- 14 May 2015.
2. Ogunfayo I. K. (2015), “The Challenges of Success Rates of Students in Examination” a paper presented at the 5th Engineering Retreat organised by the School of Engineering, Federal Polytechnic, Ilaro, 14 & 15 April 2015.
3. Ogunfayo, I.K. and Sadiku, M.K. (2012); “The Impact of Physical Infrastructural

- Development on Environment in Nigeria: Problems and Challenges”, presented at the 4th National Conference of the School of Environmental Studies, Federal Polytechnic, Ilaro, Nov. 27- 29, 2012.
4. Ogunfayo, I.K. and Sadiku, M.K. (2012); “Use of ICT in Engineering Practice – the Perspective of Small and Medium Scale Civil Engineering Practice”, presented at 2nd School of Engineering Conference, Federal Polytechnic, Ilaro, Nov. 12-15, 2012.
 5. Yusuff, M.A and Ogunfayo, I.K. (2012); “Tourism Development: A Panacea to National Transformation in Nigeria”, presented at 6th National WITED Conference held at Federal Polytechnic, Ilaro, Oct. 2012.
 6. Sadiku, M.K. and Ogunfayo, I.K. and Ezekiel I.D. (2011); “Appraising the Current State and Focus of Technical Education in Nigeria towards the Realization of Vision 20:2020” published in the Book of Readings of the 4th National Conference of Academic Staff Union of Polytechnics (ASUP), Federal Polytechnic, Ilaro Chapter. pp. 72-76.
 7. Ogunfayo, I.K. and Akinboboye, F.A.O. (2011); “Technical and Vocational Education and Training and Sustainable Human Resources Development in Nigeria” published in the Book of Readings of the 4th National Conference of Academic Staff Union of Polytechnics (ASUP), Federal Polytechnic, Ilaro Chapter. pp.33-38.
 8. Akinboboye, F.A.O., Ogunfayo, I.K. and Aiyegbusi, O. (2010); “ The use of Run-off Sharp Sand as full replacement for sharp sand in the production of Sandcrete Blocks” a paper presented at the 1st National Conference of the School of Engineering, Federal Polytechnic, Ilaro, held on 2-5 Nov. 2010.
 9. Sadiku, M.K., Bamidele, E.O. and Ogunfayo, I.K. (2009); The impact of National Building Code in Providing Sustainable Infrastructure in the Built Environment; presented at the 2nd National Conference of School of Environmental Studies on Globalization and Environmental Resource Management, held on 9-11 Nov. 2009
 10. Sadiku, M.K., Ogunfayo, I.K. and Balogun, M.O. (2009); “Quality Management in the Production of Stable and Durable Infrastructures in the Built Environment, a paper presented at the 2nd National Conference of School of Environmental Studies on Globalization and Environmental Resource management, held on 9-11 Nov. 2009.
 11. Ogunfayo, I.K. and Balogun, M.O (2009); “Alleviating Poverty Through Housing: The use of Laterite Blocks in Construction of Houses”, a paper presented at the 5th National Conference of Women in Technical Education and Employment (WITED) held at Federal Polytechnic, Auchi, Edo State.

12. Ogunfayo I.K. (2008) “*Training Aids and Tools*” a paper presented at MDG Workshop for Teachers on Training Skills (Train-the-Trainers) organized by the Federal Polytechnic, Ilaro, 10-12 November 2008.
13. Ogunfayo I. K. (2008) “*Personal Training Competencies*” a paper presented at MDG Workshop for Teachers on Training Skills (Train-the-Trainers) organized by the Federal Polytechnic, Ilaro, 10-12 November 2008.
14. Sadiku M.K., Ogunfayo I.K., Balogun M.O. (2008) “*The Impact of ICT in the Nigerian Construction Industry*” presented at 6th Annual Conference of the School of Management Studies, 11-13 Nov. 2008.
15. Sadiku M.K., Ogunfayo I.K., Balogun M.O. (2008) “*Effective Realisation of the Objectives of Degree Awarding Status of the Polytechnic System through Human Capital Development*” presented at ASUP Ilaro 3rd National Conference on Technology & Sustainable Development, 3-6 November 2008.
16. Sadiku M.K., Ogunfayo I.K., Balogun M.O. (2008) “*Effect of Construction and Allied Activities on the Environment*” presented at the First National Conference of the School of Environmental Studies, the Federal Polytechnic, Ilaro. 8 – 10 October, 2008.
17. Soyemi O. B, Ogunfayo I.K. Soyemi J. (2008) “*Challenges and Prospects of the Nigerian Polytechnic Running Degree Programme*” presented at ASUP Ilaro 3rd National Conference on Technology & Sustainable Development, 3-6 Nov. 2008.
18. Sadiku M. K., Ogunfayo I.K. (2008) “*The Legislative and Institutional Framework in Environmental Management*” presented at First National Conference of the School of Environmental Studies, Federal Polytechnic, Ilaro. 8 – 10 October, 2008.
19. Balogun M. O, Ogunfayo I.K., Sadiku M. K. (2008) “*Environmental Degradation – Natural and Artificial Causes*” presented at 1st National Conference of Environmental Studies, Federal Polytechnic, Ilaro, 8 – 10 October, 2008.
20. Ogunfayo I.K, Balogun M. O., Akinboboye F.A.O (2007) “*Wood Waste Utilisation in Construction Industry*” presented at the 2nd ASUP National Conference on Technology for Sustainable Development, the Federal Polytechnic, Ilaro. 10 – 13 Sept. 2007.
21. Sadiku M. K., Ogunfayo I.K. (2007) “*Implication of Tertiary Education Reform on the Organisational Structure of Building Construction Firms*” presented at the 2nd ASUP National Conference on Technology for Sustainable Development, the Federal Polytechnic, Ilaro. 10 – 13 Sept. 2007.
22. Balogun M.O, Ogunfayo I.K. (2006) “*A Study of Laterite as Substitute for Sand in the production of Blocks*” presented at the First ASUP National Conference on Technology

- for Sustainable Development of the Federal Polytechnic, Ilaro. September, 2006.
23. Ogunfayo I.K, Balogun M.O(2006) “*Economic Viability of Fan Palm Tree as a Construction Material*” presented at the First ASUP Conference of the Federal Polytechnic, Ilaro on Technology for Sustainable Development. September 2006.

UNPUBLISHED PROJECTS

- Fantola I. K..(1981), Design and Detailing of a Steel Pedestrian Flyover at the Western Gate of the Kaduna Polytechnic, Tundunwada, Kaduna.
- Ogunfayo I. K. (1998), Campus Transportation – A Case Study of the Federal Polytechnic, Ilaro.
- Ogunfayo I. K. (2003), Economic Viability of Fan Palm Tree as a Construction Material – a Case Study of Ogun State Nigeria.
- Ogunfayo I. K. (2003), Strategic

RESEARCH AREAS

- Use of wastes materials as substitutes for aggregates in concrete
- Use of local materials (plastic, fibres, laterite etc.) in construction

REFEREES

1. Arc. O. O. Aluko PhD

The Rector,
Federal Polytechnic, P.M.B 50, Ilaro.

2. Bldr. M.K. Sadiku

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Federal Polytechnic, P.M.B 50, Ilaro.

3. Engr. H. A. Sanni

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Federal Polytechnic, P.M.B 50, Ilaro.