

CURRICULUM VITAE

NAME: EZE IFEANYI SAMSON (Ph D)
Date of Birth: 26 June, 1964
MARITAL STATUS: Married
PLACE OF BIRTH: Ovoko Igboeze South L.G.A. Enugu State.
NATIONALITY: Nigerian.
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EDUCATION AND QUALIFICATIONS

From	To	Name of Institution	Certificate Obtained (Grade)
1979	1984	BSS Ovoko	Sec. School/WASC
1985			GCE
1987	1991	University of Nigeria Nsukka	B.Sc. Education/Chemistry Second Class Lower Division
1993	1997	University of Nigeria Nsukka	M.Sc. Polymer Chemistry
2004	2013	University of Nigeria Nsukka	Ph.D. (Environmental Chemistry)

AREA OF RESEARCH: Environmental Chemical Analysis / Renewable Energy

WORK EXPERIENCE

From	To	Name of Establishment	Duties & Responsibilities (Post)
2016	Date	Department of Pure & Ind. Chemistry, UNN	Lecturing & Supervision
2003	2016	National Centre for Energy Research & Dev't. University of Nigeria, Nsukka.	Research Fellow. Areas of Research: Biomass, and Fossil Energy,
2005	2006	Italian National Agency for New Technologies, Energy and the Environment (ENEA) Trisaia, Italy.	UNESCO/ICTP Fellowship for Training and Research in Italian Laboratories.(Conversion of Different Biomass Waste into Biogas)
1993	2003	Enugu State Post Primary School Management Board	Science Teacher
1993	1999	University of Nigeria Nsukka	P/T Lecturer, Chemistry Dept

List of Publications

1. **I.S. Eze**, C.N. Anyanwu, C. O. B. Okoye, V. K. Sharma and G. Braccio. Characterization and Optimization of Variable Manure for Biogas Production. In Proc. *R'07 World Congress on Recovery of Material and Energy for Resource Efficiency, September 3-5, 2007 Davos, Switzerland.*
2. C. N Anyanwu, N. O. Nwoke, W. I. Okonkwo, **I. S. Eze** and O.U. Oparaku. Design, Construction and Performance Testing of an Active Solar Crop Dryer. In Proc. 37th Annual Conference of Nigerian Society of Chemical Engineers 22nd – 24th Nov. 2007.
3. **I. S. Eze**, C.N. Anyanwu, O. U. Oparaku and C. O. B. Okoye. Animal Manure: A Resource or a Waste? In Proc. 37th Annual Conference of the Nigerian Society of Chemical Engineers, Enugu 22-24th Nov. 2007. Pp. 161-168
4. C.N. Anyanwu, **I.S. Eze**, V.K. Sharma, G. Braccio and L. Contuzzi (2008). Biofuels: An Alternative Resource for Mitigating Primary Energy Shortfalls in Nigeria. *International Energy Journal, Vol. 9 pp.61-66.*
5. **I. S. Eze**, C.N. Anyanwu, O. U. Oparaku and C. O. B. Okoye (2008). Predicting the Higher Heating Values of Nigerian Biomass and Vegetable Oils (Preliminary Results). *Nig. J. Solar Energy, Vol. 19,(2) Pp 31 - 37.*
6. V. K. Sharma, **I. S. Eze**, C. N. Anyanwu and O. U. Oparaku “Fuels of The Future with Massive Developmental Potentials; A review of 1st and 2nd Generation Biofuels”. National Solar Energy Forum (NASEF 2008) 5th and 6th November 2008 University of Ibadan, Oyo – State
7. P.O. Ukoha, F.N. Okafor and I.S. Eze (2008). Kinetics and mechanism of the oxidation of L-ascorbic by N,N¹-bis(salicyclideneiminato) cerium (IV) in aqueous perchloric acid medium. Proceedings of International Conference and Exhibition of Chemical Society of Nigeria (Deltachem) Delta state, Nigeria pp 216 – 220.
8. C. N. Anyanwu, V. K. Sharma, G. Braccio, **I. S. Eze** and C. O. Akubue Algal Biomas as Global Source of Transport Fuels: Overview and development Perspectives. Proceedings of International Conference on Advances in Renewable Energy (ICARE)
9. C. N. Ibeto, C. N. Anyanwu, C.G. Okpara, **I.S. Eze** and G. O. Unachukwu (2011). Assessment of Heavy Metals Concentration of Petrol Samples Utilized in Nigeria
10. **I. S. Eze** and J. A. Ibemesi (2010). A comparative Analysis of the Latexes of Ficus (Ogbu and Alstoria Boonei (Egbu) with Rubber (Hevea Brasiliensis). *J. Chem. Soc. Of Nigeria Vol. 35 (1).*
11. **I.S. Eze**, P.O. Ukoha and C.M. Okoro (2010). The Effect of N, N'-Bis(Salicylidene) Ethylenediamine Metal Complexes and Cow Manure on the Production of Biogas from Sheep. *J. Chem. Soc. Nigeria Vol. 35 (1).*
12. V. K. Sharma, C. N. Anyanwu, **I. S. Eze** and O. U. Oparaku (2010). Solar Powered Seawater Desalination: A Potential Solution to Future Global Water Crisis. *J. Chem. Soc. Nigeria Vol. 35 (1).*
13. P.O. Ukoha, **I.S. Eze** and J.U. Iyida (2010). Heavy Metal Concentrations in Leaves and Barks of Cashew (*Anarcadium Occidentalis*) and Mango (*Mangifera Indicca*). *J. Chem. Soc. Nigeria Vol. 35 (1).*

14. **Eze, I.S.**, A.U. Ofoefule, E.O.U. Uzodinma, E.C. Okoroigwe, N.F. Oparaku, J.I. Eze and O.U. Oparaku (2011). Characterization and Performance Evaluation of 11 m³ Biogas Plant Constructed at National Centre for Energy Research and Development, University of Nigeria Nsukka. *Continental J. Renewable Energy* 2 (1). Wilolud Journals.
15. V. K. Sharma, D. Marano, C. N. Anyanwu, G.I. Okonkwo C.N. Ibeto and **I. S. Eze** (2011). Solar Cooling: A Potential Option for Energy Savings and Abatement of Greenhouse Gas Emissions in Africa. *Singapore Journal of Scientific Research* 1 (1)
16. C.N. Anyanwu, **I.S. Eze**, V.K. Sharma, G. Braccio and O.U. Oparaku (2011). Characterization of Locally Produced Vegetable Oils for Biodiesel production in Nigeria *J. Chem. Soc. Nigeria* Vol. 36 (1).
17. C.N. Ibeto, C. N. Anyanwu, C.G. Okpara, **I. S. Eze** and G.O Unachukwu (2011). Distribution of Heavy Metals in Some Sub-Bituminous Coals from Nigeria. *J. Chem. Soc. Nigeria* Vol. 36 (2) pp 95 - 101
18. N.R. Ekere and **I.S. Eze** (2012). Evaluation of Cyanogenic Potentials of Local Cassava Species and Residual Cyanide Contents of their Locally Processed Food Products in SouthEast Nigeria Taylor and Francis Online <http://www.tandfonline.com/doi/full/10.1080/10807039.2012.723185>
19. C. N. Anyanwu, C.N. Ibeto, **I. S. Eze** and S.L. Ezeoha (2013). Present and Prospective Energy Use Potentials of Selected Agricultural Wastes in Nigeria. *Journal of Renewable and Sustainable Energy* 5 (032703).
20. K.E. Ugwu, A.C. Oformatah and **I.S. Eze** (2013). Influence of solid concentration on flow characteristics and settling rate of coal-water slurries. *Journal of Energy and Natural Resources* (<http://www.sciencepublishinggroup.com/j/jenr>) doi: 10.1164/j.jenr.201303.11
21. K.E. Ugwu, Oformatah A.C and **Eze, S.I.** (2013) Evaluation of Liquid Charcoal as an Alternative to Diesel Oil. *Nigerian Journal of Solar Energy* Accepted for publication June 10 2013.
22. K.E Ugwu and **S.I Eze** (2014). Physicochemical and rheological characteristics of charcoal slurry fuel. *International Journal of Energy and Environment* vol 5 (1) pp 119 – 126.
23. N.R.Ekere, J.N. Ihedioha, **I.S. Eze** and V.E. Agbazue (2014). Health risk assessment in relation to heavy metals in water sources in rural regions of South East Nigeria. *International Journal of Physical Sciences* Vol. 8 (46).
24. **Eze, I.S. and** Okoye, C.O.B. (2014). Thermochemical Treatment of Sheep and Goat Dungs for Syngas Generation. *Nigerian Journal of Solar Energy*, Vol. 25 pp 91 – 97.
25. L.C. Ugwuowo, A.G. Ezekwe, A.O. Ani, **S.I. Eze**, C.N. Anyanwu and A. Ofomatah (2015). The efficacy of palm oil sludge in reducing ruminal methanogenesis using rumen simulation technique. *African Journal of Biotechnology* 14 (2) pp 2937 – 2942.

Conferences/Training Workshops Attended

1. Training Workshop on Energy Cost-Saving Measures in Nigerian Industries NCERD UNN 21 – 23rd June 2005

2. Workshop on “Physics for Renewable Energy” The Abdus Salam International Centre for Theoretical Physics Trieste, Italy 17 – 29th October 2005
3. 29th Annual International Conference of Chemical Society of Nigeria, 26 – 30th September 2006, Airport Hotel Ikeja, Lagos
4. 5 – day Training on Sustainable Energy Development for Sub-Saharan Africa on the use of IAEA’s Model for Energy Supply Strategy Alternative and their General Environmental Impacts (MESSAGE), Organizes by International Atomic Energy Agency (IAEA) in Collaboration with Energy Commission of Nigeria (ECN) Abuja 2nd – 6th October 2006
5. National Solar Energy Forum, Dec. 7- 9th 2006, Nnamdi Azikiwe University Awka.
6. International Workshop on Renewable Energy for Sustainable Development in Africa, July 29th – Aug. 1st 2007 University of Nigeria Nsukka.
7. Training Course on Renewable Energy Technologies for Extension Engineers of the Fed. Ministry Of Agriculture, Aug. 27th – Sept. 3rd, 2007, NCERD, University of Nigeria Nsukka.
8. Solar Energy Society of Nigeria Annual Conference (6-10 December 2003, Nsukka, Enugu State).
9. 37th AGM and Conference of the Nigerian Society of Chemical Engineers, 22nd- 24th Nov. 2007, Presidential Hotel Enugu.
10. National Solar Energy Forum, 28th – 29th Nov, 2007, Rockview Hotel Abuja
11. R’O7 World Congress on Recovery of Material and Energy for Resource Efficiency, September 3-5th 2007, Davos Switzerland.
12. V. K. Sharma, C. N. Anyanwu, **I. S. Eze** and O. U. Oparaku, Solar Powered Seawater Desalination: A Potential Solution To Future Global Water Crisis. National Solar Energy Forum (NASEF 2008) 5th and 6th November 2008 University of Ibadan, Oyo – State
13. C.N. Anyanwu, **I.S. Eze**, V.K. Sharma, G. Braccio and O.U. Oparaku. Characterization of Locally Produced Vegetable Oils for Biodiesel production in Nigeria: Preliminary Results. *International Biofuels Conference, Bikaner India. Oct. 13-15th 2006.*

MEMBERSHIP OF PROFESSIONAL BODIES

Chemical Society of Nigeria (CSN): Member

Solar Energy Society of Nigeria (SESN): Member

Institute of Chartered Chemist of Nigeria (ICCON): Member

Hobbies: Sports

Referees:

- | | |
|--------------------------|---|
| 1. Prof. C.O.B. Okoye | Department of Pure and Industrial Chemistry
University of Nigeria, Nsukka. |
| 2. Engr.Dr C. N. Anyanwu | Department of Agric and Bioresource Engineering
University of Nigeria, Nsukka. |
| 3. Prof. J.A. Ibemesi | Department of Pure and Industrial Chemistry |

University of Nigeria, Nsukka.