

SEMIU ADEBAYO KAREEM



DEPARTMENT OF CHEMICAL ENGINEERING, MODIBBO ADAMA UNIVERSITY OF TECHNOLOGY, YOLA,
NIGERIA

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PERSONAL DATA

Gender	Male
Place of Birth	Jos, Plateau State, Nigeria
Date of Birth	8 th January, 1970
Nationality	Nigerian
State Of Origin	Ogun
Local Government Area	Odogbolu
Marital Status	Married
Number of Children	3
Languages Spoken	English, Yoruba and Hausa
Permanent Address	6 Anjorin Street, Ijegun, Lagos, Nigeria
Date of First Appointment	11 th April, 1994
Rank on First Appointment	Graduate Assistant
Date of Confirmation of Appointment	25 th May, 1996
Present Rank	Professor
Present Salary Grade Level/Step	CONUASS 7/01
Date of Last Promotion	1 st October, 2016
Position Applied for	Professor

EDUCATION

University of Lagos, Lagos, Nigeria. 2003 – 2010▪ Ph.D (Chemical Engineering)
University of Benin, Benin-city, Nigeria. 1995 – 1998▪ PGD, M. Eng. (Chemical Engineering)
Federal University of Technology, Yola, Nigeria. 1987 – 1991▪ B. Tech. (Hons) Chemistry
Unity High School, Ago-Ika Abeokuta, Nigeria. 1981 – 1986▪ SC/GCE O' Level
St. Michael's UNA Nasarawa Gwom Jos, Nigeria. 1975 – 1981▪ First School Leaving Certificate

WORK EXPERIENCE/CAREER PROGRESSION

Modibbo Adama University of Technology, P. M. B. 2076, Yola, Nigeria.	2016 – Date	▪ Professor
	2013 – 2016	▪ Associate Professor
	2010 – 2013	▪ Senior Lecturer
	2002 – 2010	▪ Lecturer I
	1999 – 2002	▪ Lecturer II
	1995 – 1999	▪ Assistant Lecturer
G.D.M. Textiles manufacturing Company, Isolo Industrial Estate, Oshodi, Lagos, Nigeria	1994 – 1995	▪ Graduate Assistant
	1993 – 1994	▪ Processing Supervisor
Ewulu Mixed Grammar School, Ewulu, Aniocha South L. G. A Delta State, Nigeria	1991 – 1992	▪ National Youth Service Corp

STUDENTS/MANPOWER DEVELOPMENT

TEACHING RESPONSIBILITIES

Undergraduate Courses

1. BG 415	Bioreactor Design and Analysis	▪ 3 Units
2. EC 503	Chemical Engineering Reaction I	▪ 2 Units
3. EC 505	Chemical Engineering Design I	▪ 2 Units
4. EC 597	Project I	▪ 2 Units
5. EC 306	Chemical Engineering Thermodynamics I	▪ 3 Units
6. EC 504	Chemical Engineering Reaction II	▪ 2 Units
7. EC 506	Chemical Engineering Design II	▪ 3 Units
8. EC 598	Project II	▪ 4 Units
TOTAL		21 Units

Postgraduate Courses

1. CHE701	Advanced Transport Phenomenon	▪ 3 Units
2. CHE 706	Less Common Separation Processes	▪ 3 Units
3. CHE 711	Advanced Biochemical Engineering	▪ 3 Units
4. FST 707	Advanced Unit Operations in Food Sci and Tech	▪ 2 Units
5. CHE 797	Research Project I	▪ 2 Units
6. CHE 798	Research Project II	▪ 2 Units
7. CHE 797	Research Project III	▪ 8 Units
TOTAL		23 Units

PROJECTS/THESES SUPERVISION

Postgraduate

1. HayatuAbubakar (2015/2016)	Kinetics of Diesel Biodesulfurization using Immobilized Cells
2. TswenmaTsokwa	impact of Nanoparticles on Kinetics of Diesel Biodesulfurization (2015/2016)
3. AliyuAbdulRahman	Investigating the Prevalence of Pollutants in Fish (2015/2016)

Undergraduate

1. 2001/2002 Session 6 Students
2. 2002/2003 Session 5 Students
3. 2009/2010 Session 10 Students
4. 2010/2011 Session 5 Students
5. 2011/2012 Session 4 Students
6. 2012/2013 Session 2 Students
7. 2014/2015 Session 3 Students
8. 2015/2016 Session 2 Students
9. 2016/2017 Session 2 Students

ADMINISTRATIVE RESPONSIBILITIES

1. Dean, School of Engineering & Engineering Technology (SEET) ▪ 2016 – Date
2. Member, 21st and 22nd Convocation Central Planning Committee ▪ 2016
3. Member, Board of School of Postgraduate Studies, Representing SEET ▪ 2014 – 2016
4. Production Editor, Nigerian Journal of Engineering Science and Technology Research (NJESTR) ▪ 2014 – Date
5. Deputy Dean, SEET ▪ 2012 – 2014
6. Chairman, SEET Examination Malpractice Committee ▪ 2012 – 2014
7. Head, Department of Chemical Engineering ▪ 2011 – Date
8. Congregational Representative to Senate ▪ 2011 – 2012
9. Postgraduate Programmes Coordinator ▪ 2010 – 2011
10. Editorial Secretary, Nigerian Journal of Engineering Science and Technology Research (NJESTR) ▪ 2010 – 2014
11. Member, University Primary School Management Board ▪ 1999 – 2003

COMMUNITY SERVICE

1. Chairman, ASUU Electoral Committee ▪ 2016
2. Member, ASUU Electoral Committee ▪ 2014
3. Member, Adamawa Peace Initiative, Yola, Nigeria ▪ 2013 – Date
4. Member, Adamawa Economic Grand Alliance, Yola, Nigeria ▪ 2013 – Date
5. Financial Secretary, Ijebu Progressive Association, Yola, Nigeria ▪ 2014 – 2015
6. General Secretary, Yoruba Community, Yola, Nigeria ▪ 2014 – 2015
7. Member, De Peers Club, Lagos, Nigeria ▪ 1997 – Date
8. Member, Education Board, AnsarUdDeen, Yola, Nigeria ▪ 2010 – Date

MEMBERSHIP OF PROFESSIONAL BODIES

1. Corporate Member, Council for the Regulation of Engineering in Nigeria (COREN), R27,212

PROJECT/THESES

1. Sorption of Metal Ions by Cellulosic Materials ▪ Fed Univ of Tech, Yola ▪ 1991
2. Process Design of Potassium Aluminium Sulphate Plant ▪ University of Benin, Benin ▪ 1996
3. Review of the Role of Equilibrium & Reversibility in Chemical Engineering Systems ▪ University of Benin, Benin ▪ 1998
4. Kinetics of Biodesulfurization of Diesel and Kerosene ▪ University of Lagos, Lagos ▪ 2010

PUBLICATIONS

1. Hussein, J. B., Hassan, M. A., **Kareem, S. A.** and Filli, K. B. (2017). Design, Construction and Testing of a Hybrid Photovoltaic (PV) Solar Dryer. *International Journal of Engineering Research and Science*, **3(5)**, 1 – 14
2. **Semiu Adebayo Kareem** (2016). Anaerobic Biodesulfurization of Kerosene Part I: Identifying a Capable Microorganism. *IOSR Journal of Biotechnology and Biochemistry*, **2(7)**, 46 – 53
3. **Semiu Adebayo Kareem** (2016). Anaerobic Biodesulfurization of Kerosene Part II: Investigating its Kinetics. *IOSR Journal of Biotechnology and Biochemistry*, **2(7)**, 37 – 45
4. Lebnabiso, J. S., Aberuagba, F., **Kareem, S. A.** and Cornelius, J. (2015). Kinetics of Transesterification of Esterified of Crude Cotton (*GossypiumHirsutum*) Seed Oil. *International Journal of Scientific Research and Innovative Technology*, **2(7)**, 87 – 94
5. Patrick, D. O., **Kareem, S. A.**, Chiroma, T. M and Dibal, M. I. (2015). Preliminary Investigation of the Properties of Kwajjafa Clay for Brick Production. *Journal of Global Scholarstic Research*, **1(8)**, 1 – 9
6. Samuel E Agarry, Ganiyu K Latinwo, Tinuade J Afolabi and **Semiu A Kareem** (2015). Model Predictive Performance of Filled Flexible Polyurethane Foam. *American Journal of Polymer Science*, **5(1)**, 1 - 9
7. **Semiu Adebayo Kareem**, Alfred AkpovetaSusu, David Stan Aribike and Simon Cyril UgwumbaNwachukwu (2014). Investigating the Kinetics of Biodesulfurization of Diesel. *AU J.T.* **18(1)**,27 - 35
8. YakubuMandafiya JOHN,**Semiu Adebayo KAREEM**, HarunaMavakumba KEFAS and Alexandar POLYCARP (2014). Quality Assessment of Hand dug Well in Hong Town. *International Journal of Scientific Research Engineering & Technology*, **3(2)**, 306 – 311
9. **Semiu Adebayo Kareem**, Alfred AkpovetaSusu, David Stan Aribike and Simon Cyril U. Nwachukwu (2013). Modelling the Biodesulfurization of Diesel. *International Journal of Engineering Research & Technology*, **2(7)**, 1010 – 1015.
10. Lebnabiso, J. S., Aberuagba, F., **Kareem, S. A.** and John, Y. M. (2013). Esterification of Crude Cotton (*GossypiumHirsutum*) Seed Oil as Feedstock for Biodiesel Production. *International Journal of Engineering Research & Technology*, **2(7)**, 1016 – 1022
11. **Kareem, S. A.**, A. A. Susu, D. S. Aribike and S. C. U. Nwachukwu (2013). Modelling the Biodesulfurization of Kerosene in a Batch Reactor. *International Journal of Engineering Science Invention*, **2(4)**, 63 – 68
12. **S. A. Kareem**, D. S. Aribike, S. C. U. Nwachukwu and G. K. Latinwo (2012). Microbial Desulfurization of Diesel by *DesulfobacteriumIndolicum*. *J Environ. Science &Engg.* **54(1)**, 98-103
13. **Semiu Adebayo Kareem**, HarunaMavakumbaKefas, Ternenge Joseph Chior and GaniyuKayodeLatinwo (2011).Kinetics of Fermentation by Enzymes: A Mathematical Approach. *AU J.T.* **15(2)**, 109 – 114.
14. Ganiyu K. Latinwo, David S. Aribike and **Semiu A. Kareem** (2010). Comparative Study of Biodiesels Produced from Unrefined Vegetable Oils. *Journal of Nature & Science*,**Vol. 8 (9)**, 102 –106.

15. Ganiyu K. Latinwo, David S. Aribike, Layioye O. Oyekunle, Akpoveta A. Susu and **Semiu A. Kareem (2010)**. Effects of Calcium Carbonate of Different Composition and Particle size Distribution on the Physical Properties of Flexible Polyurethane Foam. *Journal of Nature & Science*, **Vol. 8 (9)**,
16. GaniyuKayodeLatinwo, David Stan Aribike, Alfred AkpovetaSusu and **Semiu Adebayo Kareem (2010)**. Effects of Different Filler Treatments on the Morphology and Mechanical Properties of Flexible Polyurethane Foam Composites. *Journal of Nature & Science*, **Vol. 8, No. 6**, 23 –31.
17. Aribike D. S., **S. A. Kareem** and A. A. Susu (2005). Biodesulfurization of Dibenzothiophene (DBT) I – Kinetics Studies. *Journal of Science, Nature and Environment*. Vol 5, No. 1&2, 89 – 93.
18. Aribike D. S., **S. A. Kareem** and A. A. Susu (2005). Biodesulfurization of Dibenzothiophene (DBT) II – Mass Transfer Effect Studies. *Journal of Science, Nature and Environment*. Vol 5, No. 1&2, 83 – 88.
19. **S. A. Kareem** (2004). Iron, Lead and Zinc Content in Roadside Vegetation as Indications of Pollution in Benin-City and Minna. *Nigeria Journal of Education and Technology*. **5 (1 & 2)**. 30 – 36.
20. **Semiu A Kareem** (2002). Treatment of Water Effluent Obtained During Crude Oil Production. *Journal of Technology and Development*. **Vol. 8**, 1 – 6.
21. **Kareem, S. A** and Akinbode, A. O. W. (2002). Investigation into Fe, Pb and Zn as a Source of Pollutants along Highways and Junctions in Benin-City, Nigeria. *Journal of Pure and Applied Sciences*. **Vol. 2, No. 2**. 59 – 60.
22. **Kareem, S. A** and Akinbode, A. O. W. (2002). Roadside Gradients of Lead, Zinc and Iron Ions Concentrations. *Journal of Pure and Applied Sciences*. **Vol. 1, No. 2**. 49 – 51.
23. J. N. Egila and **S. A. Kareem** (1992). Sorption of Metal Ions by Guinea Corn (*Sorghum Vulgare*) and Millet (*PennisetumTyphodeum*) Husks. *Journal of Technology and Development*. **Vol. 2, No. 1**, 93 – 99.

REFERENCES

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