

Curriculum Vitae



1. Personal Information

Name: Ahmed Ibrahim Ahmed Seedahmed
Date & Place of Birth: Wad Medani, Sudan 1961
Nationality: Sudanese
Religious: Muslim
Social Status: Married with 4 kids.
Languages: Arabic (All skills: Excellent), English (All skills: Excellent), Chinese (only talking: poor)

2. Present Address:

Plastics Engineering Department, SUST, Sudan.
Tel Mobile: +249912359377
Emails: kmmmmahmed@gamil.com, kmmmm_ahmed@ yahoo.com
Skype: kmmmmseedahmed
Web Page: staff.sustech.edu/kmmmm_ahmed

3. Education

Hassahissa Primary School 1969 – 1974
Hassahissa Secondary School 1975 – 1977
Hassahissa Higher Secondary School 1978 – 1981

4. Qualifications

Degree	Specialization	Title of thesis	Date of Award	Institution	Class of award
PhD	Plastic Engineering	Use of PET bottles to substitute sand in cement based mortar applications	2005	Sudan University of Science and Technology, Sudan	
MSc	Computer Science and Information	Client – Server Database Application	2003	University of Gezira, Sudan	
Postgraduate Diploma	Computer Science		2002	University of Gezira, Sudan	
MSc	Textile Chemistry	Henna Cotton Dyeing Properties	1991	University of Gezira, Sudan	
BSc	Textile Engineering Technology	Evaluation of the waste Impact in weaving preparation	1988	University of Gezira, Sudan	Second Class Division one

5. Professional Experience

- Shift Engineer- Blue Nile Textile Company 1987 -1988
- Shift Engineer- GEMATEX 1988 -1989
- **Teaching Assistant** –Textile Engineering Department – SUST May 1991
- **Lecturer** –Textile Engineering Department – SUST Dec. 1991
- **Lecturer** –Textile Engineering Department – U of G Feb. 1992
- **Assistant Professor** - Textile Engineering Department – U of G March 1996
- **Assistant Professor** - Textile Engineering Department – SUST July 2000
- **Assistant Professor** - Plastic Engineering Department – SUST July 2005
- **Associate Professor** - Plastic Engineering Department – SUST March 2006
- **Associate Professor** - Petroleum Engineering Department – Misurata University NOV. 2103 up to date.

6. Educational and Academic Partnership

a. Undergraduate profile:

Teaching Undergraduate courses since 1991 up to date in four major areas:

- ✓ Textile Chemical Engineering and Technology
- ✓ Polymer chemical Engineering.
- ✓ Polymers and Plastics Recycling.
- ✓ Computer applications in the above mentioned areas.

I had taught the following Courses multiple times:

- **Engineering Principals**
- **Physical Chemistry.**
- **Thermodynamics.**
- **Polymerization chemistry and Technology.**
- **Polymeric and plastic materials.**
- **Polymer processing.**
- **Plastic and Polymers recycling.**
- **Organic chemistry.**
- **Basic Computer Mathematics.**
- **Computer programming** using Basic/Pascal/C/C++/ Matlab (for engineering and computer science students)
- **Computer applications** in the polymer Engineering and Technology, Textile Engineering, Petroleum Engineering fields.)
- **Fluid Mechanic.**
- **Corrosion in Oil Industry.**

b. Postgraduate profile:

- i.** Teaching Undergraduate 1991 until now in the Textile , Plastics and Chemical Engineering Areas for the following courses

- **Color Physics** for Textile Engineering
- **Textile Finishing Technology** for Textile Engineering..
- **Computer Architecture:** postgraduate diploma for computer science students.
- **Data structure using C++:** postgraduate diploma for computer science students.
- **Computer Graphics using C++:** postgraduate diploma for computer science students.
- **Computer applications** in the polymer Engineering and Technology.
- **Polymer Compounding and formulations** for polymer and Plastics Engineering.
- **Analysis of Polymer Composites** for polymer and Plastics Engineering.
- **Advanced Polymer material and applications** for PhD in chemical engineering by courses and research, Karary University).

7. Supervision of Postgraduate Students

a. Sudan University of Science and Technology

i. Supervision

Name	Degree	Title	Started Date	Status	Expected data to Submit
Arman Mohamed Abdalla	PhD	Computer Aided Design for Polymer Extrusion and Dies	26/9/2011	1 st paper published in November 2013	Passed in 2014
Mahab Salaheldeen Shalaby	PhD	Evaluation and Improvement of Mechanical and thermal properties of locally produced Polypropylene	15/1/2013	1 st paper published in June 2014	Early Jan. 2016
Amna Osman Mohamed	MSc(partial)			Graduated 2006	
Salwa Eltayeb Omer	MSc(partial)			Graduated 2006	
Rihab Abdelhadi Mohamed	MSc(partial)			Graduated 2006	

ii. Internal Examiner for 11(6 PhD +5 MSc) postgraduate students as follows:

PhD students			MSc Students		
Name	Field	Date	Name	Field	Date
Elsheikh Mohamed Ahmed Tamlel	Leather Engineering	7/1/2011	Hiba Babiker Sakih	Leather Engineering	16/2/2008
Muataz Mustsfa Elderderi	Chemical Engineering	17/11/2009	Hayaat Hassan Osaman	Beautiful Arts	25/2/2006
Nahid Ahmed Osman	Leather Engineering	17/12/2009	Enass Ibrahim Ali	Textile Engineering	30/4/2006
Salama Abdelhafeez Sharafeldean	Leather Engineering	27/10/2013	Ramdan Mohamed Ahmed Awad	Textile Engineering	12/6/2006
Slama Abdelrahman Hussien	Chemical Engineering	1/12/2009	Omer Mohamed Babiker	Beautiful Arts	7/9/2006
Magda	Chemical Engineering	23/4/2009			

b. Other Universities Supervision:

Name	Degree and University	Title	Started Date	Status	Expected data to Submit
Mohamed Magzoub Garieballa	PhD in Chemical Engineering (Courses and Research) Karary University	Conversion of Plastic waste into Liquid Fuel	12/1/2013	1 st paper published in June 2013	Passed in July 2014
Anas Mohamed Hafez Dafalla	PhD Chemical Engineering (Courses and Research) Karary University	Recycling of Polymer wastes from Electrical and Electronic Equipment	12/1/2013	1 st paper expected to be published in July 2013	Passed in July 2014
Magdi elamin Gibreel	MSc(partial) in Textile Engineering University of Gezira			Graduated 2000	
Musa Eltayeb Magboul	MSc(partial) in Textile Engineering University of Gezira			Graduated 2000	
Ahlam Hassan	MSc (partial) in Textile Engineering University of Gezira			Graduated 2000	
Omer Kamal	MSc(full research) Sudan Academy For Science and Technology			Graduated 2009	

8. Research projects:

Conversion of Plastic Waste into Fuels and Energy as research project was submitted twice to the research council and appointed to be sponsored by the university during the 2013 plan. Unfortunately till now waiting for the sponsorship.

9. Administrative Experience

- **Examination Coordinator** Faculty of Science and Technology U of G 1996 – 1997.
- **Textile Technology Head department** U of G 1997 -1999.
- **Deputy Dean Faculty of Textiles** U of G 1999 – 2000.
- **Deputy Dean College of Engineering SUST (North Campus)** April 2006 – June 2010
- **Deputy Dean College of Engineering SUST (Administration)** July 2010 – Nov. 2010.
- **Dean College of Engineering SUST** Dec. 2010 June 2012(most important achievements are: restructuring of the college(13 departments, 8150 student) into six schools and signing Cooperation agreements with Belgrade University, Serbia and Reading University, UK)
- **Chair of the College of Engineering Assessment and Accreditation Committee** 2006 until 2010:
- **Chair of the committee to introduce Chemical Engineering Department** within SUST 2007 according to which the department was approved and started in 2008.
- **Chair of the College Committee for the Curriculum Development** 2008.
Revision of the curriculum of the 13 departments so as to be updated according to international standards. A maximum credit hours was reduced to 180 instead of 200 -220.
- **Dean College of Engineering UMST** April. 2013 November 2013(most important achievements are: adding 3 programs in addition to develop the curriculum of the existing programs.

10. Professional Membership

- Member of the Society of Plastic Engineers(SPE)
- **Fellow** Member of the Sudanese Engineering Society (**SES**) 2010 .
- **Consultant Engineer** of the Sudanese Engineering Council (**SEC**) **2010**.
- Member of the Sudanese Engineering Council(**SEC**) board Dec. 2010 until July 2012
- Member of the **SEC Academic Committee** Dec. 2010 until July 2012
- **Member of SUST Senate** 2005 until July 2012
- **Member of SUST Senate Academic Affairs Committee** 2006 until July 2011(committee responsible for review and approval of the academic projects and plans to be passed to the university senate).

- **Member of MOHE Engineering and Technology Studies Committee 2010** until July 2012(committee responsible for review and approval of the universities academic projects and plans to be passed to the MOHE Minister).
- **Member of the SUST Strategic Plan Committee 2010** until July 2010
Participated effectively in setting the university strategic plan (2011 -2015) and approval of the strategic plans of the colleges.
- **Member of the SUST Assessment and Accreditation Committee 2007** until July 2012 .

11. Extra Curricular Activities

- Member of the **SEC** for the Assessment of University of Gezira textile Diploma Programs 2007
- Member of the **SEC** for the Revision of University of Khartoum Engineering Programs October 2007
- Member of the Sudanese Measurements and Meteorology Organization(**SMMO**) Plastic and Rubber Committee 2009 until November 2013.
- Presented Talks and Lectures in quality assurance topics to the following groups:
 - Neelain University Teaching Staff.
 - Delang University Teaching Staff.
 - University of Gezira Teaching Staff (twice).
 - College of Animal Production(KUKU, Twice).
 - College of Business Studies.
 - College of Music and Drama.
 - College of Sports and physical Training.
 - College of Petroleum Engineering and Technology.
 - Faculty of Engineering , Misurata University.
- Member of Minister of Energy Consultant Council 2010 - 2012

12. Publications

1. Alebeid O. K., Tao Zhao, and **Seedahmed A.I**, (2015), Dyeing and Functional Finishing of Cotton Fabric Using Henna Extract and TiO₂ Nano-sol, **Fibers and Polymers**, 16(6), 1303-1311.
2. Hassanien M S, **Seedahmed A.I**, (2015), Mechanical and Rheological Properties of Polypropylene(PP)/Linear Low Density Polyethelene(LLDPE) Blend Filled with Talc and Calcium Carbonate Compositions, **International Journal of Engineering Sciences and Research Technology**, 2(1), 383 - 387
3. Alajail A.I., **Seedahmed A. I.**, Karama B A. and Shaneb O. A., (2014), A framework for Conversion of Plastic Waste into Fuels and Chemicals: A review of the waste current situation in Libya, **Applied Mechanics and Materials**, **664**, **80 – 86**.

4. Dafa Alla A.M. and **Seedahmed A. I.**, (2014), Identifications of Electrical and Electronic Equipment Polymer Waste types using MFI, density and IR, **International Journal of Technical Research and Applications** 2(5), 1-3.
5. Abdalla A. M., Mohammed D. H. and **Seedahmed A. I.**, (2014), Simulation of pressure drop for combined tapered and non-tapered die for polypropylene using ansys Polyflow, **IOSR Journal of Polymer and Textile Engineering (IOSR-JPTE)**, 1(3), 22-29.
6. **Seedahmed A.I.**, (2014), Cotton Stalks Fiber-Reinforced Polypropylene Composites: Comparison of Experimental Data and Calculated Tensile Strength and Elastic Modulus, **International Journal of Engineering Science and Innovative Technology (IJESIT)**, .3(3), 108-115.
7. Shalby M. S. and **Seedahmed A. I.** (2014), Evaluation and Improvement of Mechanical, Thermal and Rheological Properties of Polypropylene (PP) using Linear Low Density Polyethylene (LLDPE), **International Journal of Engineering Science and Innovative Technology (IJESIT)**, 3(3), 135- 141.
8. Garib Alla M. M., **Seedahmed A. I.**, and Karama B A, (2014), Conversion of Plastics Waste to Liquid Fuel, **International Journal of Technical Research and Applications**, 2(3), 29-31.
9. Abdalla A. M. and **Seedahmed A. I.**, (2014), Use of Least Square Procedures and Ansys Polyflow Software to Select Best Viscosity Model for Polypropylene, **International Journal of Engineering Science and Innovative Technology (IJESIT)**, 2(6), 424-431.
10. **Seedahmed A. I.** and, Mohammed A. A., (2006), Use PET Bottles Waste to Partially Substitute Sand in some Cement-based Mortar Applications, **Sudan Engineering Society JOURNAL**, 52(47), 9 – 13.
11. **Seedahmed A. I.**, (August 1995), Reactive Dyes synthesis, *Indian Textile Journal*, 19 - 24.

12. *Published Textbooks*

1. **Seedahmed A. I.**,(2012) *Textile Fibers Technology*, Arabic Book, Sudan, SUST printing press.
2. **Seedahmed A. I.** and Haroun H. E., (2013), *Chemistry and Technology of Coloration*, Arabic Book, Sudan , SUST printing press.

13. Seminar, & Workshops and Conferences

- Workshop on Arabization of Engineering Terminology SUST 1991
- Workshop on linking Engineering Research to Industrial Needs U of G 1997
- Seminar on Engineering Industrial Training U of G 1999
- Seminar on Result computation System SUST May 2003
- Seminar on History, uses and manufacturing of Plastics Polymers SUST Sep. 2003
- Seminar on Plastics Polymers Recycling SUST Feb. 2004
- Workshop for the assessment of BEZEMA products Switzerland July 2005
- Lecture on Plastic Recycling SSMO Kosti 2009
- Arab Sub Region Seminar on Intellectual Property Data Bases Access Methods, Amman, Jordan, 3 – 6 July 2012
- Use of Students Assessment to Develop the Teaching Staff Performance, a paper presented to the 2nd International Arab conference for Quality Assurance in Higher Education, Manama, 4-5 April 2012
- Description of the educational program and its components according to the Arabic Universities Union format: SUST case study, AROQA Fifth Annual Conference, Tunis, Tunisia ,12 - 13 December, 2013
- Institutional Assessment Training Course in the Union of the Arab Universities Indicators SUST 2009
- Visit to University of Belgrade, 18 – 24 March 2012 to set cooperative mutual relations between the two universities.

14. Training

- Practical Training Course in Dyestuff Manufacturing, China Textile University, China, Sep. 1993 – July 1995.
- 6 days Training course in Dyestuff Manufacturing ,Testing and Application at BEZEMA Company s Switzerland July 2005

15. References

- **Prof Tajeldeen Osman Mohieldeen**, University of Bahrain, assistant of the University President for quality and Excellency.
Email: tmohield@admin.uob.bh, Mobile:+ 97336151664 or +97339762833
- **Prof Shamboul Adlan Mohammed**, Almutgaribeen University, Sudan, Dean college of Engineering.
Email: drshamboul@gmail.com, Mobile: +249912304760
- **Prof Salah Abdelateef Mohamed**, Sudan University of Science and Technology.
Email: sam_1112@yahoo.com, Mobile: +249912250312