

personal information

Name :Abuelgasim Abbaker Abedelrasoul Mohammed

Esq : B.Sc.(Honours), M.Sc., Ph.D. , C.Chem. F.R.S.C.

Academic Rank : Associate Professor

Date of Appointment : 9.5. 1985

Date of Birth : 23.1.1960

Place of Birth : Omdurman (Sudan)

Nationality : Sudanese

Martial Status : Married with one child

Languages : Arabic and English (Writing , Reading and Speaking)

Major Specialization : Oranic Chemistry

Minor Specialization : Synthetic Oranic Chemistry

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Academic Qualifications

- Ph.D. (Organic Chemistry) ,School of Chemistry,University of Hull , England , 1992.
- Thesis Title : Studies on the Chemistry of some Sulphides and of some Sulphur – Containing Heterocyclic Compounds
- M.Sc. (Organic Chemistry), School of Chemistry,University of Hull , England , 1988.
- Thesis Title: Synthesis and Reactions of some Sulphur –containing Compounds of Potential Biological Interest.
- B. Sc. in Chemistry (Honours) Second Class (Division One), Department of Chemistry, Faculty of Science, University of Khartoum , 1983.

Employment Record

- Associate Professor : University of Khartoum 2008, to present.
- Assistant Professor : University of Khartoum (1991-2008).
- Assistant Professor : Al-Ahasa Teacher's College (currently King Faisal University) – Kingdom of Saudi Arabia (1996 -2006)
- Teaching –Assistant : University of Khartoum(1985-1991).
- Research –Assistant : Ministry of Health – Chemical Laboratories –Sudan (1984-1985)

Teaching Experience

Courses Taught :

- General Chemistry (I)
- General Chemistry (II)
- Practical General Chemistry (I)
- Practical General Chemistry (II)
- Organic Chemistry (I)
- Organic Chemistry (II)
- Practical Organic Chemistry (I)
- Practical Organic Chemistry (II)
- Aromatic Chemistry
- Advanced Practical Organic Chemistry
- Organic Chemistry (III)
- Systematic Identification of Organic Compounds
- Free-Radicals in Organic Synthesis
- Heterocyclic Chemistry
- Advanced Organic Chemistry

• Organic Synthesis

• Advanced Heterocyclic Chemistry

• Organic Chemistry (IV)

• Natural Products Chemistry

• Bio-Organic Chemistry

• Special Topics.

• Research Methodology

• Environmental Chemistry

Research Interest

• Mechanistic Organic Chemistry, with special reference to phenacyl sulphides.

• Carbon Disulphide in Organic Chemistry.

• Synthetic Organic chemistry, with special interest on synthesis of sulphur and nitrogen heterocyclic compounds

Administrative Duties

- Deputy Dean for Academic Affairs, Faculty of Education, University of Khartoum, 2012, to present.
- Head, Department of Chemistry, Faculty of Education, University of Khartoum, for different periods.
- Head, Department of Chemistry, Al-Ahsa Teachers College (currently King Faisal University) – Kingdom of Saudi Arabia 2005-2006.
- Secretary, Faculty Board, Faculty of Education, University of Khartoum, 1992-1993
- Secretary, Department of chemistry Board, Faculty of Education, University of Khartoum, 1991-1992.

Supervision and Examinations

- Supervised some M.Sc. and Ph.D. candidates at different Sudanese Universities .
- Internal Examiner for some M.Sc. and Ph.D. candidates at the University of Khartoum.
- External Examiner for some M.Sc. and Ph.D. candidates at different Sudanese Universities

Conferences ,Workshops and Visits

- Annual Conference for Postgraduate Studies and Scientific Research (Basic Sciences and Engineering Studies. Organized by Graduate College , University of Khartoum 2012.
- The International Year of Chemistry 2011 (IYC 2011) Conferences. Symposia , Seminars.2011.
- Conference of Graduate Studies and Scientific Research (Scientific Research – Pillar of Civilization Development). Organized by Graduate College, University of Khartoum.2010.
- Advanced Workshop on Industrial Composite Design and Applications. Organized by United Nations Industrial Development Organization – International Centre for Science and High Technology , Miramare –Trieste – Italy, 1994.
- A visit to the International Centre for Theoretical Physics (I.C.T.P.) -Trieste – Italy , 1994 .
- Visiting Professor of Chemistry at many Sudanese Universities .
- The Annual Conference of the Indian Chemical Society – Heterocyclic chemistry Group – Calcutta – India , 1992 .

Memberships and Fellowships of Societies

- Member, Saudi Chemical Society
- Member, American Chemical Society
- Member, Royal Society of Chemistry (England)
- Member, Sudanese Chemical Society
- Associate Fellow, International Centre for Theoretical Physics (I.C.T.P. Associate Fellow) -Trieste – Italy , 1994 .
- Chartered Chemist (C.Chem.)
- Member, Faculty Board , Faculty of Education ,University of Khartoum
- Member, Research Board , Faculty of Education ,University of Khartoum.
- Member, Research Board , Faculty of Education ,University of Elziem El Azaheri
- Member, University of Khartoum Senate .

Publications

1 – Nawal , M . Suleman, **Abuelgasim, A. A. Mohammed** , El Jali , O . El Hasssn , Preparation of some polyamides of diaminodibenzo-18-crown-6 and Studying their liquid crystalline properties , Journal of Education, Faculty of Education , University of Khartoum, vol.6 ,172-188.2012.

2 -Intisar, S.A.Elzein, **Abuelgasim,A .A.Mohammed** , Mohammed .A. Hussen , Oxidative Transformation of Thiophenols to Diphenyl disulphides , Sudan Journal of Basic Sciences , Series C . Chemistry – Sudan Institute for Natural Sciences , (A Paper accepted for publication, 2008) .

3- Hassan ,A.A . Almahy , Mohammed , A.A. Osman , **Abuelgasim , A.A.Mohammed** , Chemical and Nutritional Studies on the Seed Oil of Aristolochia bracteata , Journal of Food Technology 2 (3) ; 185-160 . 2004.

4- **Abuelgasim , A.A.Mohammed** , A study of the Condensation Reactions of Activated Methylene Compounds with Carbon Disulphide, Private Communications,2000.

5- **Abuelgasim. A.A.Mohammed** , R .M.Scrowston , Studies on a Degradation Product of of Benzyl Phenacyl Sulphide , Unpublished Results ,1998 .

6- **Abuelgasim. A.A.Mohammed** , Reactions of Benzofuroxan Oxide with some Heterocyclic Ketones , Personal Communication .1996 .

7- **Abuelgasim , A.A.Mohammed** ,R.M. Scrowston, Synthesis and Reactions of some 2-Thiohydantion Derivatives , Unpublished Observations. 1994.

8- **Abuelgasim , A.A.Mohammed** , R.M. Scrowston,Synthetic Uses of Dipotassium Cyanocarbmodithioate and Related Compounds , 1993 , Unpublished Work.1993.

9- **Abuelgasim ,A.A. Mohammed** Studies on the Chemistry of some Sulphides andof some Sulphur – Containing Heterocyclic Compounds , Ph.D. Thesis , School of Chemistry , Universsity of Hull , England ,1992

10- **Abuelgasim A.A. Mohammed** Synthesis and Reactions of some Sulphur –containing Compounds of Potential Biological Interest , M.Sc. Thesis , School of Chemistry , Universsity of Hull , England ,1988.

Research in Progress

1- A convenient Synthesis of some Thiophene analogues of Sulphonyurea.

2- Unusual Rearrangement in the Reaction of some Ket-sulphides with Ethanolic Sodium Hydroxide .

3- Unusual Rearrangement in the Reaction of some Phenacyl sulphides with Methanolic Sodium Hydroxide .

4 – Synthesis and Characterization of some New HeterocyclicCompounds.