



Dr. Omer El-Amin Ahmed Adam

B.Sc., M.Sc., Ph.D

**ASSISTANT PROFESSOR OF
PHYSICAL AND ENVIRONMENTAL CHEMISTRY**

CURRICULUM VITAE

I- Name and Address:

Omer El-Amin Ahmed Adam

Permanent Address: Chemistry Department, University of Kassala, Kassala, Sudan.

Current Address: Department of Chemistry, Faculty of Science and Arts in Baljurashi, Albaha University, Saudi Arabia.

Mobile: 00966558167205

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II- Personal Data:

- ❖ *Nationality:* Sudanese
- ❖ *Date and Place of Birth:* 11-July -1967, Sudan
- ❖ *Marital Status:* Married with five children (3 Males and 2 Females)

III- EDUCATION AND QUALIFICATIONS:

- ❖ *Ph.D. in (Physical Chemistry),* College of Education, Ibn Al-Haytham, University of Baghdad (2001 - 2005). Dissertation Title: *PHYSICAL PROPERTIES STUDY OF AQUEOUS SOLUTIONS OF GLYCOLS OVER TEMPERATURE RANGE 293.15 - 318.15 K*
- ❖ *M.Sc. in Chemistry* (Physical Chemistry), College of Education, Ibn Al-Haytham, University of Baghdad (1994-1996). Dissertation Title: *COMPARATIVE STUDY OF ADSORPTION OF SOME PHENOLS AND ACETOPHENONES FROM AQUEOUS SOLUTIONS ON ACTIVATED CARBON AND ASPHALTENE*
- ❖ *B.Sc. (Honors) in General Chemistry,* Second Class (division one), College of Education, University of Khartoum (1988-1993).

❖ *IV- WORK EXPERIENCE:*

- ❖ (2013 -).
Assistant Professor, Department of Chemistry, College of Science and Arts, Al-Baha University, Kingdom of Saudi Arabia.
- ❖ (2005 - 2013).
Assistant Professor, Department of Chemistry, University of Kassala, and the *Principal of the University.*
- ❖ (2000-2001)
Deputy Dean, Faculty of Education, University of Kassala.

- ❖ (1998 - 2000)
Head of Chemistry Department, University of Kassala.
- ❖ (1997-1998).
Lecturer, Chemistry Department, University of Kassala.
- ❖ (1993-1994) .
Teaching Assistant, Chemistry Department, University of Kassala.

V-Publications:

- 1- [Omer El-Amin Ahmed Adam](#), Amel Abdalla Hassana, Viscosity, Gibbs Free Energy, and Refractive Indices for Binary Mixtures of o-Cresol + Poly(ethylene glycols) at T = 288.15–308.15 K and 96.5 kPa, J. Chem. Eng. Data 2018, 63, 3263–3273.
- 2- [Omer El-Amin Ahmed Adam](#), Amel Abdalla Hassana, Volumetric properties of binary mixtures of o-cresol + poly (ethylene glycols) in the temperature range 288.15–308.15 K and atmospheric pressure, Phys. Chem. Liquids, (2018) VOL. 56, NO. 1, 55–68.
- 3- Isam Eldin H. Elgailani, Mohamed A. M. Gad-Elkareem, Elnoor A. A. Noh, [Omer El-Amin Ahmed Adam](#), Ahmed M. A. Alghamdi, Comparison of Two Methods for The Determination of Vitamin C (Ascorbic Acid) in Some Fruits, American Journal of Chemistry (2017) Vol. 2, No. 1, 1-7.
- 4- [Omer El-Amin Ahmed Adam](#), Akl M. Awwad, Estimation of excess molar volumes and theoretical viscosities of binary mixtures of benzene + n-alkanes at 298.15 K, Int. J. Ind. Chem. (2016) 7: 391–400.
- 5- [Omer El-Amin Ahmed Adam](#), Removal of Resorcinol from Aqueous Solution by Activated Carbon: Isotherms, Thermodynamics and Kinetics, American Chemical Science Journal, (2016), 16(1): 1-13.
- 6- [Omer El-Amin Ahmed Adam](#), Ammar Hani Al-Dujaili, Akl M. Awwad, Volumetric Properties of Aqueous Solutions of Ethylene Glycols in the Temperature Range of 293.15–318.15K, ISRN Physical Chemistry, Volume 2014, Article ID 639813.
- 7- [Omer El-Amin Ahmed Adam and Ammar Hani Al-Dujaili](#), The Removal of Phenol and Its Derivatives from Aqueous Solutions by Adsorption on Petroleum Asphaltene, Journal of Chemistry, Volume 2013, Article ID 694029.

- 8- [Omer El-Amin Ahmed Adam](#) and A. H. AL-DUJAILI, 'Adsorption of Phenolics from Aqueous Solutions on Activated Carbon: Effect of Molecular Structure' *J. Al-Nahrain Univ.* 10(2), 7-12 (2007).
- 9- A. H. Al-Ddujaili, N. Y. Salaman and [Omer El-Amin Ahmed Adam](#), "Using Asphaltene as Adsorbing Agent for phenolic Compounds from Aqueous Medium" Iraqi Patent No. 2700(1997).

VI- CONFERENCES

I have participated in/or attended the following National and International Conferences by presenting research paper either orally or as Posters.

- 1- A. H. AL-DUJAILI, N. Yousef and O. A. Adam, "Comparative Study of Adsorption of Some Phenols and Acetophenones From Aqueous Solution on Activated Carbon and Asphaltene", The 36th IUPAC Congress, Geneva, Switzerland, 17-22 August (1997).

VII-Books:

- 1- A. M. Awwad, A. H. Al-Ddujaili and [OMER. E. A. ADAM](#), " Glycols: Density, Viscosity, and Thermodynamics of Aqueous Solutions" Verlag Dr. Muller (VDM), Saarbrucken, Germany, (2011).

VIII-Teaching Responsibilities (courses):

- ❖ General Chemistry - 1 (Al-Baha University, KSA)
- ❖ General Chemistry - 2 (Al-Baha University, KSA)
- ❖ Physical Chemistry -1 (Al-Baha University, KSA)
- ❖ Physical Chemistry -2 (Al-Baha University, KSA)
- ❖ Water Treatment & Desalination (Al-Baha University, KSA)
- ❖ Environmental Chemistry & Waste Recycling (Al-Baha University, KSA)
- ❖ Nuclear & radiochemistry (Al-Baha University, KSA)
- ❖ General Chemistry - 1st Year (Faculty of Education).
- ❖ General Chemistry - 1st Year (Faculty of Medicine).
- ❖ General Chemistry - 1st Year (Faculty of Engineering).
- ❖ Chemical Thermodynamics - 2nd Year.
- ❖ Chemical Kinetics & Catalysis - 3rd Year .
- ❖ Quantum Chemistry - 4th Year .

- ❖ Surface Chemistry & Colloids - 4th Year.
- ❖ Photochemistry & Spectroscopy - 5th Year .
- ❖ Advanced Physical Chemistry-I, Postgraduate Diploma.
- ❖ Advanced Physical Chemistry-II, Postgraduate Diploma.

IX-Research Field :

- ❖ Adsorption on solid surfaces (Environmental Chemistry) .
- ❖ Physical Properties of Solutions (Molecular Interactions) .

X- SKILLS

- ❖ *Languages :* Arabic (Mother tongue) , English .
- ❖ *Computing Skills:* Excellent Knowledge of Windows XP/Vista , Office XP/2007 , Grapher , Chemdraw .

XI-SUPERVISION

❖ *Under graduate Students:*

I have supervised more than 24 B.Sc. graduates in various topics of physical chemistry during the period (2005 - 2012).

❖ *Post graduate diploma :*

- 1- H. A. Hamza, “ Adsorption of phenol from aqueous solution onto activated carbon prepared from Mesquite Tree” *2009*, University of Kassala.

❖ *Post graduate thesis:*

- 1- N. S. O. Ibrahim. , University of Kassala “ Adsorption of Heavy Metals on the Surface of El-Gash Sand and Silica Gel” June 2011. (M. Sc.)
- 2- A. A. Hassan. , University of Kassala “Viscosities , Densities ,Refractive indices for the binary mixtures of PEGs 200,300 and400 with cresol isomers at temperatures range (288.15 to 308.15 k) and atmospheric pressure” June 2019. (M. Sc.)

3- XII-SERVICES

- 1- Member of the Senate, University of Kassala (2005 - 2013).
- 2- Member of the University of Kassala Council (2005 - 2013).

- 3- Member of the scientific promotion committee at the University of Kassala (2005 - 2013).
- 4- Member of the Self-Evaluation Unit, (2006 - 2013).
- 5- Chairman of the Student Fees Committee, University of Kassala (2005 - 2013).
- 6- Member of the Faculty Board , Faculty of Medicine (2005 - 2007).
- 7- Member of the Faculty Board , Faculty of Education (2005 - 2009).
- 8- Chairman of the Examination Committee, Faculty of Education (1997 -2000).
- 9- Member of the Scientific Council, Deanship of Higher Studies and Scientific Research, University of Kassala (2006 - 2013).
- 10- Member of the Scientific Council , El-Sharq Ahlia college (1997 - 2001).
- 11- Registrar of Chemistry Dept. College of Science and Arts, Al-Baha University , Kingdom of Saudi Arabia (2016 -).
- 12- Member of Examinations Committee, College of Science and Arts, Al-Baha University , Kingdom of Saudi Arabia (2016 -).
- 13- Member of the Scientific Committee, College of Science and Arts, Al-Baha University , Kingdom of Saudi Arabia (2017 -).

XIII- TEACHING RESPONSIBILITIES :

a) At Al baha University, KSA :

- ❖ General Chemistry - 1
- ❖ General Chemistry - 2
- ❖ General Chemistry for Physics
- ❖ Physical Chemistry -1
- ❖ Physical Chemistry -2
- ❖ Water Treatment & Desalination
- ❖ Environmental Chemistry & Waste Recycling
- ❖ Nuclear & radioc1hemistry
- ❖ Environmental Pollution
- ❖ Seminar in Chemistry
- ❖ Graduation Project
- ❖ Principles of Industrial Chemistry
- ❖ Research & Essay writing Skills
- ❖ Chemical Industries & Fertilizers

b) At Kassala University, Sudan :

- ❖ General Chemistry - 1st Year (Faculty of Education).
- ❖ General Chemistry - 1st Year (Faculty of Medicine).
- ❖ General Chemistry - 1st Year (Faculty of Engineering).
- ❖ Chemical Thermodynamics - 2nd Year.
- ❖ Chemical Kinetics & Catalysis - 3rd Year .
- ❖ Quantum Chemistry - 4th Year .
- ❖ Surface Chemistry & Colloids - 4th Year.
- ❖ Photochemistry & Spectroscopy - 5th Year .
- ❖ Advanced Physical Chemistry-I, Postgraduate Diploma.
- ❖ Advanced Physical Chemistry-II, Postgraduate Diploma.