

CURRICULUM VITAE

NAME DR. REHANA SAEED
QUALIFICATION Ph.D
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PRESENT STATUS ASSOCIATE PROFESSOR
PHYSICAL CHEMISTRY
DEPARTMENT OF CHEMISTRY
UNIVERSITY OF KARACHI

FIELD OF SPECIALIZATION PHYSICAL CHEMISTRY

HEC APPROVED SUPERVISOR Approved supervisor by Higher Education Commission.

EXPERIENCE:

University Teaching / Research Experience = 19 Years

FIELD OF INTEREST:

- i) *Teaching:* Physical Chemistry
- ii) *Research:* Photochemistry, Chemical Kinetics, Ionic interactions of electrolytes in solutions.

RESEARCH GUIDANCE:

Ph.D/ M.Phil:

- i) Two Students awarded Ph D in 2010 and 2011.
- ii) One M.Phil awarded in 2004.

M.Sc (Thesis/Project): Twenty (20) students have completed their research work (Thesis/Project) at M.Sc level.

Supervisor of Ph.D , MS and BS students involve in research work.

RESEARCH PUBLICATIONS: Thirty Nine (39) Papers and one Book

RECENT PUBLICATIONS:

Book:

(1) **Rehana Saeed**
Photochemical Kinetics
VDM Verlag Dr. Muller Aktiengesellschaft & Co. KG., pp1-263 (2010).

Research Papers:

(1) **Rehana Saeed**, Fahim Uddin and Arshad Fazal
Effect of Electrolyte Concentration on Viscous Flow of Polymer Solutions.
J. Chem. Eng. Data. 47 (6): 1359-1362 (2002).

- (2) **Rehana Saeed**, Fahim Uddin & Zahida Khalid
The Kinetics of the Photochemical Reaction of Methylene Green with Methylamine and Ethylamine.
Turk. J. Chem. 28: 351-367 (2004).
- (3) **Rehana Saeed**, Fahim Uddin & Shazia Sumer
Adsorption of Methylene Green on Activated Charcoal, Silica Gel and Silica.
Asian J. Chem. 17(2): 737-742 (2005).
- (4) **Rehana Saeed** & Fahim Uddin
Photokinetic Study of Methylene Green with Dimethylamine.
Int. J. Pure. App. Chem. 1(1): 65-74(2006).
- (5) Zahida Khalid, **Rehana Saeed** & Fahim Uddin
Medium Effect on Activation Parameters for the Kinetics of Reaction between β -Bromopropionate and Thiosulphate Ions.
Arab. J. Sci. Engg. 31(2): 167-176 (2006).
- (6) Fahim Uddin, Qazi Zaheerul Hasnain & **Rehana Saeed**
Photoreduction of Thionine by Monomethylamine in 50% Aqueous Methanol.
Int. J. Pure. App. Chem. 1(4): 587-595(2006).
- (7) **Rehana Saeed**, Fahim Uddin & Hameeda Sultan
Thermodynamic Study of Monovalent and Divalent Cations in Mixed System by Conductance Method.
Journal of Physics and Chemistry of Liquids. 45(3): 313-321 (2007).
- (8) M. Javaid Mughal, M. Naeem, Ausaf Aleem, **Rehana Saeed** & Kamran Ahmed
Effect of cationising agent on the conventional reactive dyeing of cotton.
Color. Technol. 124: 62-65 (2008)
- (9) **Rehana Saeed**, Summyia Masood & Fahim Uddin
Ionic Interaction of Electrolyte with Dilute Solution of Poly (Vinyl Alcohol) at Different Temperatures.
Journal of Physics and Chemistry of Liquids. 46(2): 9-17 (2008).
- (10) **Rehana Saeed**, Fahim Uddin, Summyia Masood & Nida Asif
Viscosities of Ammonium Salts in Water and Ethanol+Water Systems at Different Temperatures.
J. Mol. Liquids 146:112-115 (2009).
- (11) **Rehana Saeed**, M. Javaid Mughal, M. Naeem, S.S. Nizami & Tanzile H. Usmani
Decolorisation of Remazol Vinyl Sulphone Reactive Dyes by Potassium Permanganate.
Color. Technol. 125: 277-283 (2009).
- (12) **Rehana Saeed**, Summyia Masood, Maria Ashfaq & Afshan Irfan
Volumetric Studies of Sodium Chloride in Aqueous and Aqueous Maltose System at Different Temperatures.
J. Chem. Eng. Data. 54: 3125-3129 (2009).
- (13) **Rehana Saeed**, Maria Ashfaq & S. Razi Khan
Effect of Solvent on Kinetics of Reduction of Methyl Violet with Potassium Iodide at Different Temperatures.
Asian J. Chem. 22 (3):1787-1798 (2010).
- (14) **Saeed Rehana** , Ashfaq Maria & Fahimuddin
Spectrophotometric study of kinetics of Solvatochromism of Methyl Violet in Aqueous Methanol.
Chin. J. Chem. 28:891-895 (2010).
- (15) A. Rasheed Khan, Fahim Uddin, **Rehana Saeed** & Mahjabeen Mukhtar
Effect of $\text{CuCl}_2 \cdot 6\text{H}_2\text{O}$ and $\text{ZnCl}_2 \cdot 6\text{H}_2\text{O}$ on Viscosity of Aqueous Ethanol Mixtures.
Front. Chem.China 6(2): 113-119(2011).