

Dr. RESHU SANAN

E-7/393, Street No. 1, New Ranjitpura,
Opp. Japani Mills, Chheharta, Amritsar-143105

Phone : 9463725685, 0183-2257110

E-mail: reshusanan@gmail.com

Date of Birth: Aug. 3,1980



Academic Qualification

S.No.	Class	Board/Uni	Year	Marks	Percentage	Remarks
1	Ph.D	GNDU	2015	Physical / Analytical Chemistry	9.8 CGPA in Pre Ph.D coursework	
2	M.Phil	Annamalai University	2009	300/500	60%	
3	B.Ed	GNDU	2004	732/1000	73%	
4	M.Sc.	GNDU	2003	879/1275	69%	
5	B. Sc.	GNDU	2001	1748/2400	73%	Univ. Merit

Teaching Experience

S. No.	Institute	Responsibility	Experience
1	S.L. Bawa DAV College, Batala	Lecturer	Three Academic Sessions on adhoc basis (2004-2007)
2.	Khalsa College, Amritsar	Assistant Professor	Two and a half years (One on Adhoc and rest as DPI Contract) (Aug 2014- Dec.2016)

Total teaching experience = 5 years

List of Publications

Total Research Publications = 8

Total Research Experience = 5 years

1. Effect of Fatty Acid Chain of Tweens on the Micellar Behavior of Dodecylbenzyltrimethylammonium Chloride; **Reshu Sanan** and Rakesh Kumar Mahajan; *Industrial and Engineering Chemistry Research (Impact Factor 2.6)*, 2011, 50, 7319-7325.
2. Micellar and analytical implications of a new potentiometric PVC sensor based on neutral ion-pair complexes of dodecylmethylimidazolium bromide–sodium dodecylsulfate; **Reshu Sanan** and Rakesh Kumar Mahajan; *Journal of Colloid and Interface Science (Impact Factor 3.8)*, 2013, 394, 346-352.
3. Polyethylene Glycol Assisted Micellar, Interfacial and Phase Separation Studies of Triblock Copolymer - Nonionic Surfactant Mixtures; **Reshu Sanan** and Rakesh Kumar Mahajan; *Colloids and Surfaces A: Physicochemical and Engineering Aspects (Impact Factor 2.8)*, 2013, 433, 145-153.
4. Complexation, Dimerisation and Solubilisation of Methylene Blue in the Presence of Biamphiphilic Ionic Liquids: A Detailed Spectroscopic and Electrochemical Study; **Reshu Sanan**, Tejwant Singh Kang and Rakesh Kumar Mahajan; *Physical Chemistry Chemical Physics (Impact Factor 4.5)*, 2014, 16, 5667-5677.
5. Micellar Transitions in Catanionic Ionic liquid - Ibuprofen Aqueous Mixtures; Effects of Composition and Dilution; **Reshu Sanan**, Rajwinder Kaur and Rakesh Kumar Mahajan; *RSC Advances (Impact Factor 3.4)* 2014, 4, 64877-64889.
6. Electrochemical Measurements of Phenothiazine Drugs in the Presence of Surface Active Ionic Liquids; **Reshu Talwar** and Rakesh Kumar Mahajan, *Key Engineering Materials*, 2014, 605, 581-584.
7. Bile salt-surface active ionic liquid mixtures: mixed micellization and solubilization of phenothiazine R. Vashishat, **Reshu Sanan** and R. K. Mahajan *RSC Advances (Impact Factor 3.4)*, 2015, 5, 72132-72141.
8. Probing interactions of neurotransmitters with twin tailed anionic surfactant: A detailed physicochemical study R. Kaur, **Reshu Sanan** and R. K. Mahajan *Journal of Colloid and Interface Science (Impact Factor 3.8)*, 2016, 469, 38-46.

Conferences Attended

Total conferences Attended = 9

1. Prof. Ram Chand Paul International Conference on Emerging Trends in Chemistry. **Feb. 11-12, 2011** Panjab University, Chandigarh.
2. Chemical Research Society of India- North Zone Meeting 2011. **Sept 22-24, 2011** University of Jammu, Jammu.
3. 3rd Bhartiya Vigyan Sammelan and Expo **Oct. 11-14, 2012** Lovely Professional University, Jalandhar.
4. International Conference on Polymers on the Frontiers of Science and Technology **Feb. 21-23, 2013**. Panjab University, Chandigarh.
5. National Symposium on Recent Trends in Chemistry, **March 28th, 2013** at Guru Nanak Dev University, Amritsar, Punjab.
6. 3rd International Conference on Materials and Applications for Sensors and Transducers, ICMAS 2013, **Sept. 13-17, 2013** at Prague, Czech Republic.
7. 11th ISEAC International Discussion Meet on Electrochemistry and its applications, ISEAC-DM 2014, **Feb. 20-25, 2014** at Amritsar.
8. 4th Bhartiya Vigyan Sammelan, **Feb. 5-8, 2015** at Panaji, Goa.
9. National seminar on Supramolecular developments, RACS-II, **March 2, 2016** at Khalsa College, Amritsar.

Awards and Honours

- Merit in District in +2 (Medical).
- Merit in GNDU in B.Sc (Medical).
- JRF from CSIR (June 2008).
- GATE Qualified (Feb. 2006).
- Roll of Honour (Twice) from Baring Union Christian College, Batala.
- Young Scientist Travel Grant from DST (2013).

Research Interests & Expertise

- Colloid and Interfacial Chemistry with main focus on surfactant-additive systems.
- Fabrication of Surfactant selective sensors.
- Synthesis of surface active ionic liquids.