NAME	Rachana Sahney	
DESIGNATION	Asst. Professor	

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
BHU	M.Sc.	1996
BHU	Ph. D	2000

Title of Ph.D. thesis: Transport Studies on Membranes and Interfaces

EXPERIENCE (in chronological order)

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
R.A.-CSIR	R.A.	IITD	2001-2006
Postdoc	Postdoc	Brandeis University	2005-2008

No. of Ph.D. students supervised	Awarded: (no. only)
	Ongoing: (no. only) one
PUBLICATIONS *(mention total no. here)* 09	**List of Publications (Peer-Reviewed):**

. Carrier mediated transport through liquid membranes: Studies on transport of lead, Cadmium ions using Thio-Calixarene ligands as carriers (Communicated).

. A Conductometric Cholesterol Sensor Based On The Permeability Effect On BLM And Its Application In Clinical Analysis. R. Sahney, B. K. Puri, S. Anand, J. pharm. Toxicol. 16 (2006)566, ISN- 1816-496X

2. Immobilization of urease on glass pH electrodes : A Comparative study between three immobilization techniques and its application in urea detection in blood serum**. R. Sahney**, B. K. Puri, S. Anand, Anal. Chim. Acta, 546(2006)26, ISN- 00003-2670

3. Enzyme Coated Glass pH-Electrode: Its Fabrication and Application in the Determination of Urea in Blood Samples. **R. Sahney**, B. K. Puri, S. Anand, Anal. Chim. Acta, 542 (2005)157, ISN-00003-2670

4. A Non-Enzymatic Liquid Membrane Based Cholesterol Sensor.R. C. Srivastava**, R. Sahne**y, S. Upadhyay & R. L. Gupta ; J. Member. Sci. 4261 (2001) 1, ISN-0376-7388

5. Transport Studies Through Liquid- Liquid Interfaces In Phase Transfer Catalyst systems**. R. Sahney**, S. Upadhyay,

	R. C. Srivastava ; Bulletin Of Electrochem. 16 (1) 2000. **6.** Attempting to Grade Phase Transfer Catalysts. R. C. Srivastava**, R. Sahney**, S. Upadhyay & R. L. Gupta ; J. Phys. Org.Chem. **12 (1999) 308, ISN-1099-1395** 8. Nature of Phase Transfer Catalyst: Can they be Hydrotropes. R. C. Srivastava, **R. Sahney**, S. Upadhyay & R. L. Gupta ; Indian J. Chem. 37 (1998)1090, ISN- 0376-4710. 9. Investigations Into The Model For Self Sustained Potential Oscillations In Lipid Bilayers Based On Repetitive Phase Transition. **R. Sahney**, R. C. Srivastava, S. Upadhyay, J. Member. Sci. 143 (1998) 75, ISN- 0376- 7388 10. Oscillations of Electrical Potential Differences Across The Interface In Phase Transfer Catalytic Systems. R.C. Srivastava, V. Agrawal, S. Upadhyay & **R.Sahney**; J. Phys. Org. Chem., 8 (1995) 341, ISN- 1099-1395.
RESEARCH PROJECTS	***Details: Development of electrochemical Biosensor for Cancer biomarkers. (DBT) under fund transfer process***
AWARDS & HONOURS/ DISTINCTIONS	NET, GATE
MEMBERSHIP with Professional/ Academic bodies	Electrochemical Society, India. : ACS