

CURRICULUM VITAE

Dr. (Mrs.) Niyati Singh



Designation: Assistant Professor

Department of Chemistry,

Gargi College.

Mobile: 09717505256

E mail: nsnayan@rediffmail.com

Objective: To associate with multi-dynamic institute, which may provide a platform to update my knowledge & skills in accordance with latest trends in teaching along with research that follows a tradition of anticipating & leading changes.

Short Introduction: M.Sc. Analytical Chemistry [1998], CSIR-UGC NET in *Chemical Sciences* for Lectureship, 2001. Ph.D. in Chemistry [2005- 2009], with nearly thirteen years of teaching experience in *Inorganic, Physical and Analytical chemistry* for M.Sc. and B.Sc. classes at various institutes. About 4 and 1/2 years of research experience with modern electro-analytical instruments. Two published papers in reputed journals along with twelve International/ National conferences attended.

Academic qualifications : PhD, NET in chemical Science.

1. PhD : *“Bio-Electrochemical Studies of Some Selective Hematological Agents”*, (Mar 2005-Aug 2009) Dr. H. S. Gour University, Sagar.
2. NET : Joint CSIR-NET (July-2001) in chemical Science for Lectureship.
3. M.Sc. : *Analytical Chemistry* (1996-98) Dr. H.S.G University Sagar M.P.
4. B.Sc. : Life Science, 1993-96, Dr. H. S. G University, Sagar (M.P.)
5. 12th Class : St. Peter Convent School, Indore, M.P. 1992
6. 10th Class : Holy family convent school, Khurai, 1990

Teaching experiences: Thirteen years of teaching experience as follow:-

1. Asst. Prof. in Chemistry (temporary): Govt. Degree College, Khurai, Sept 1998- Nov. 1999
2. Asst. Prof. in Chemistry (regular): Career college, Bhopal (M.P.) Sept 2002- Sept.2004
3. Lecturer in Chemistry (temporary): Department of chemistry, Dr. H.S. Gour University, Sagar (M.P.) Sept 2004 - Sept 2010
4. Asst. Prof. in Chemistry (guest) : Daulat Ram College, University of Delhi, Aug 2011 - April 2012
5. Asst. Prof. in Chemistry (adhoc) : Shivaji College, University of Delhi, Sept-Dec2011
6. Asst. Prof. in Chemistry (guest) : Shyam Lal College, University of Delhi, Delhi Jan-Apr 2012, Oct 2012-Nov 2012, Aug-Nov2013
7. Asst. Prof in Chemistry (adhoc): Shyam Lal College, University of Delhi, Feb 2014-Oct 2015

Administrative Experience: As School Manager in New Happy Junior High School, C- 156 Block, Indrapuri, Loni, Ghaziabad (U.P.) 201102, Nov. 2010 – Sept.2011

Research experience: 4 and 1/2 years of research experience with modern electro-analytical instrumentation and their use for interdisciplinary purposes especially in clinical and pathological purposes of human interest.

Field of Interests: Electro-analytical chemical approach to solve problems of latest scientific computerized world with modern lifestyle and unstable environment, which produce some of the prominent *cerebrovascular disorders* (CVD) such as **strokes**, which have no prehistory or prior indications.

Academic Distinctions: One international and one national published paper and twelve International/ National conferences/symposia attended.

Published Research Papers:

1. N. Singh, K.S. Pitre, “Polarographic Behavior of Human Plasma Thrombin and Changes in its Anticoagulation Activity through Various Conformations”, **Electroanalysis**, 2008; 20 (12): 1339-1345.

Impact factor: 3.1, ISSN: 1521-4109

2. N. Singh, "Electrochemical Assay of Heparin to Monitor Anticoagulation Action in Cardiovascular Patients" **Indian J Hematol Blood Transfus**, 2012: 28 (2): 97-104.

Impact factor: 0.56, ISSN: 0971 4502

List of International/National Conferences/Symposia Attended:

1. ***Role of Chemistry in Food and Technology***, Participation in One Day National Seminar, Department of Chemistry, Shyam Lal College, University of Delhi, Delhi 110032, 28th September 2015.
2. ***Molecular Designing via Electrochemical Interaction of Heparin for Increased Anticoagulation potency to Treat Thrombotic Disorders***, National Seminar on Interdisciplinary Applications of Chemistry, Hans Raj College, University of Delhi, Delhi 110007, 19th March 2013.
3. ***Workshop on information literacy and competency***, Delhi University Library System, University of Delhi-110007, 14th March 2011.
4. ***Designing of aspirin molecules for increase antiplatelet activity via pulse polarography***, 45th Annual Convention of Chemists 2008 and International Conference on Recent Advances in Chemistry, Organized by Indian Chemical Society, Department of Chemistry, Karnataka University, Dharwad 580003, 23-27 Nov. 2008.
5. Participated in Indian council of Chemists, 26th Annual Conference, Department of Chemistry, Dr. Hari Singh Gour University, Sagar (M.P.) 470003, 26-28 Feb 2008.
6. ***Polarographic behavior of heparin and molecular designing for increased anti coagulation potency to treat thrombotic disorders***, 10th CRSI National Symposium in Chemistry, Chemical research Society of India, Indian Institute of Science, Bangalore, 1-3 Feb 2008.
7. ***Electro analysis of Platelets at Different Stage in Human Blood Plasma***, 44th Annual Convention of Chemists, Indian Chemical Society, Mahatma Gandhi Institute of Applied Sciences, Jaipur, 23-27 Dec 2007.

8. ***Polarographic analysis of heparin to regulate anticoagulation therapy in cardiovascular patients*** , Silver Jubilee, All India Young Scientist Conference, M.P. Council of Science and Technology, Bhopal 462003, 23-25 Nov 2007.
9. ***Study of conformational changes of active thrombin enzyme through heparin and plasma human albumin***, International Conference on emerging Trends in Chemical Sciences (ICETCS 2007), Department of Chemistry, University of Mumbai 400098, 23-25 Jan 2007.
10. ***Electrophoretic-polarographic study on the effect of albumin on anticoagulation potency of HEPARIN***, National seminar on Multifunctional Nanaomaterials, Nanostructures and Applications (MNNA 2006), Department of Physics and Astrophysics, University of Delhi, Delhi 110007, 22-23 Dec 2006.
11. ***Action of hematological agents on blood clot***, National Science Day, 28th Feb 2005, Dr. Hari Singh Gour University, Sagar (M.P.) 470003.
12. ***Blue Print of Life, 50 Years of DNA and 25 Years of IVF***, Participated in National Seminar, Madhya Pradesh Council of Science and Technology, Career College, Bhopal, 10th April 2003.

Extra-Curricular Activities: (Teaching/ Social/Cultural/Examination)

Activity	Organizer/ University/ College	Place and Date
1. Guest Lectures for Inorganic Pharmaceutical Chemistry.	Mahatma Gandhi Medical College, Bhopal (M.P.)	Bhopal, July 2003-Sept 2003
2. Lectures on General need for Environmental Application and Education.	Distance Education, Dr. H. S. Gour University, Sagar (M.P.)	Sagar, July 2009.
3. Educational tour for M.Sc. Student to Mumbai.	Career College, Bhopal.	Mumbai, Jan 2004.
4. Local Industrial Visit for B. Sc. Industrial Students for their Project Report.	Dr. H. S. Gour University, Sagar (M.P.)	Jan 2006, Dec 2007, Dec 2008.
5. As Team Manager for Inter university Women Kabbadi Team.	University of Mumbai, Mumbai.	2009-10.
6. Member for Registration committee and technical session, 26 th Annual conference ICC.	Department of Chemistry, Dr. H. S. Gour University, Sagar (M.P.)	Sagar, 26-28 Feb 2008.
7. Exam Co-ordinator, Punjab Technical University exams.	Career College, Bhopal.	2003-04.
8. External examiner for B.Sc. III Chemistry (H) for Physical chemistry practical	Shyam Lal College, University of Delhi, Delhi	Nov. 2015
9. Students Visit to NIFTEM	Shyam Lal College, University of Delhi, Delhi	12 th October 2015

Place: Delhi

Dr. Niyati Singh
9717505256