




Shivaji College Faculty Details Proforma

Title	DR	First Name	NEENA R	Last Name	WADEHRA	Photograph
Designation	ASSOCIATE PROFESSOR					
Address	B - 1 / 577, JANAKPURI NEW DELHI-110058					
OfficePhone No.						
Residence						
Mobile	9891672776					
Email	wadehranr@yahoo.com					
Web-Page						
Educational Qualifications	Ph.D.					
Degree	University/Institute				Year	
Ph.D.	University of Delhi				1987	
M.Phil./M.Tech.						
PG	M.Sc - Biochemistry - Bombay University				1978	
UG	B.Sc - Bombay University				1976	
Any Other Qualification						
Career Profile						

1. July 1998-till date
Associate Professor
Department of Biochemistry,
Shivaji College, University of
Delhi

2. September 1991 – July 1998
Lecturer in Senior Scale
Department of Biochemistry,
Shivaji College, University of
Delhi

3. September 1988-September 1991
Lecturer
Department of Biochemistry,
Shivaji College, University of
Delhi

4. August 1988-September 1988
Lecturer
Department of Biochemistry,
Desh Bandhu College , Delhi
University, New Delhi

5. September 1986-August 1988
Senior Demonstrator
Department of Biochemistry,
Maulana Azad Medical College,
University of Delhi, New Delhi

Administrative Assignments -

➤ Member of Various committees:

- ❖ Science purchase Committee
- ❖ Building Sub –Committee
- ❖ Canteen Committee
- ❖ W.U.S. Committee
- ❖ General Purchase Committee
- ❖ Selection Committee
- ❖ Fee Concession Committee
- ❖ Annual Day Committee

➤ Member of Governing Body of Shivaji College 1998-99

➤ Member of core group for Energy and Environment, Delhi University from 1993 onwards

and was actively working for this.

- Member of the faculty of Inter Disciplinary Applied Sciences, Delhi University (1995-96).
- Associated as an expert in this project of Commission for Scientific and Technical Terminology (CST). “A Definitional dictionary of Cell Biology” in 1996-97, published in 2000.
- Currently associated as an expert in the project of commission for Scientific and Technical Terminology (CST). “A Definitional Dictionary of Plant Physiology and Biochemistry” January 1998 onwards.
- Associated as a member of Building Committee of Shivaji College in 1996-97.
- Teacher Incharge of Department of Biochemistry 1988-89, 1989-90, 1993-94, 1996-97, 2000-01, 2005-06, 2007-08, 2012-13, 2018 to till date
- Member of Selection Committee (1989-90,1993-94,1996-97,2004, 2007-08) for the selection of lecturers, lab assistants and their promotions.
- Member of the faculty of Inter Disciplinary Applied Sciences, under the provisions of the statute 9(3) (v)- Teacher’s category 1995-98, 2001-04.
- Member of Counseling Committee for Admissions of Students Year 2014-15, 2015-16
- Member of Board of Research Studies, Faculty of Inter-disciplinary & Applied Sciences University of Delhi South Campus from October 9, 2017 for 02 Years.

Areas of Interest/Specialisation

Clinical Biochemistry
Immunology
Metabolism
Enzymology
Cell Biology
Proteins and Enzymes
Biomolecules
Biochemical and Biophysical Techniques
Molecular Biology

Subjects Taught

Clinical Biochemistry
Immunology
Metabolism
Enzymology
Cell Biology
Proteins and Enzymes
Biomolecules

**Biochemical and Biophysical Techniques
Molecular Biology**

Innovation Project/Research Projects (Major Grants/Research Collaboration)

1. Taken up Innovation Project (SHC-201) as Principal Investigator - University of Delhi : “**Drug Design through Molecular Modeling for Selected Drug Targets in Plasmodium falciparum to Combat Drug Resistance against Malaria**” and successfully completed. 2013-2015
2. “**Biochemical studies in patients of Bronchial Asthama research project**” research topic for Ph.D Thesis (1981 – 1986) was completed with CSIR grant and fellowship.

Publications Profile (Research Papers/Books)

Publications

- Gulati M, Narula A, Vishnu R, Katyal G, Negi A, Ajaz I, Chauhan G, Kant R, Lumb V, Babbar S, **Wadehra N R**, Bhaskar D : Plasmepsin II as a Potential Drug Target for Resistant Malaria, DU Journal of Undergraduate Research and Innovation 1(3), 85-95, 2015.
- Narula K, Bhaskar D, Narula A, Vishnu R, Katyal G, Negi A, Ajaz I, Gulati M, Chauhan G, Kant R, Lumb V, Babbar S, **Wadehra N R**: Targeting resistant Plasmodium through In silico approach, DU Journal of Undergraduate Research and Innovation 1(3), 57-66, 2015.
- Bhaskar. D, **Wadehra N.R**, Gulati. M, Narula. A, Vishnu. R, Katyal. G: In Silico studies on selected Drug Targets for Combating Drug Resistance in Plasmodium falciparum, International Journal of Medical, Health, Medical and Pharmaceutical Engineering, 9(2), 188-192, 2015.
- Association as an expert in this project of Commission for scientific and Technical Terminology (CST). “A definitional Dictionary of Cell Biology” in 1996-97, published in 2000.
- **Wadehra N.R.**: Estimation of biochemical parameters using low cost equipments, Chemistry Education, 7,46-49,1991.
- **Wadehra N.R.**: Colorimetric estimation of high-density lipoprotein cholesterol and its sub fraction. Indian J. Clinical Biochemistry, 5, 35-46 1990.
- **Wadehra N.R.**, Joshi A.P.: are asthmatics protected against cardiac diseases? - A Biochemical view Indian J. Clinical Biochemistry, 5, 35-46 1990.
- **Wadehra N.R.** , Joshi A.P.,Gaur S.N.,Chhabra S.K.,Aggarwal K.P.: Abnormalities of lipid metabolism in asthma and rhinitis- A comparative study. Indian J.Chest Dis., 29,131-137,1987.

- **Wadehra N.R.**, Joshi A.P., Gaur S.N., Chhabra S.K., Aggarwal K.P: Prophylactic treatment of bronchial asthma with theophylline, disodium cromoglycate and choline –A clinical, physiological and biochemical assessment Indian J . Chest Dis., 29, 65-73,1987.
- **Wadehra N.R.**, Gangal S.V.and Sarma P.U.: Combined colometric estimation of high-density lipoprotein, cholesterol low very low-density lipoprotein cholesterol and total cholesterol. Arogya-J.Health Science, XI, 36-41,(1985).
- **Wadehra N.R.**, Joshi A.P., Gangal S.V. And Sarma P.U.: High density, Low density and very low density lipoprotein cholesterol and total cholesterol in asthmatics. Aspects of Allergy and Applied Immunology, Vol.XVII, p129-132, (ed. Aggarwal M.K.) 1984.

Conference/Seminar/Faculty Development Programme/Workshop

Orientation/Refresher course attended

- Participated in Orientation Course on “**Energy and Environment (OR-18)**” organized by CPDHE University of Delhi in March- April 1993.
- Participated in “**Orientation Course**” organized by CPDHE, Delhi University (1990)

LIST OF REFRESHER COURSES ATTENDED

- Participated in **Refresher Course** in Biochemistry organized by CPDHE, University of Delhi in September- October 2001.
- Participated in Refresher Course in “**Biotechnology**” organized by Academic Staff College, Jawahar Lal Nehru University (JNU) in April-May 1997.
- Participated in Refresher Course in “**Low Cost Chemical Instrumentation**”(CH-42) organized by CPDHE at Shivaji College in January 1994.
- Participated in Refresher Course in Biochemistry “**Biochem –2**” organized by CPDHE, Delhi University in October 1992.
- Participated in Refresher Course in Biochemistry “**Biochem-1**” organized by CPDHE, Delhi University (1991).

Organized the Symposia and Seminars

- Member of organizing committee of National Symposium on Molecular Biology in Oct 2009, organized by Department of Biochemistry Shivaji College.
- Member of organizing committee of National Symposium “**SYNTENY**” in Oct 2007, organized by Department of Biochemistry Shivaji College
- Member of organizing committee of National Symposium in Oct 2006, organized by Department of Biochemistry Shivaji College
- Organizing member of symposium “**Biohorizon**” in July 2003, which included scientific lectures delivered by Scientists of National and International repute.
- Regular Departmental seminars of students of B.Sc. (Hons) Biochemistry throughout the year since 1999 till date.

- Organized a symposium “**Biochaperons**” in September 1996 which also included inter collegiate participation of students.

Presentation in conferences/symposium/workshop – (Past 3 years)

- “***In Silico* studies on selected Drug Targets for Combating Drug Resistance in Plasmodium falciparum**”.
International Conference on Bioinformatics, Computational Biology and Biomedical Engineering, Delhi (2015).
- “**Combating Drug Resistance in Plasmodium falciparum by *In Silico* studies on selected Drug Targets for Drug Discovery**”
National Conference on understanding the mechanism and challenges of Complex Diseases (UMCCD) held at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, 2014.
- “**Lipid abnormalities in patients of asthma under acute attack**”.
Annual Conference of Association of Clinical Biochemists of India (ACBI) held at Indian Institute of Medical Sciences, Delhi (1992).
- “**Colorimetric estimation of high- density lipoprotein cholesterol and its sub-fraction**”.
Annual Conference of Society of Biological Chemists of India (SBC) held at Delhi, 1988.
- “**Are asthmatics protected against cardiac diseases?”- A Biochemical view.**
Annual Conference of Society of Biological Chemists of India (ACBI) held at Udaipur, 1988.
- “**Combined colorimetric estimation of high density lipoprotein, cholesterol low very low density lipoprotein cholesterol and total cholesterol**”.
Annual Conference of Association of Clinical Biochemists of India (ACBI) held At Cuttack, 1983.
- “**Estimation of high density lipoprotein, cholesterol low very low density lipoprotein cholesterol and total cholesterol in asthmatics**”.
Annual Conference of Indian College of Allergy and Applied Immunology (ICAI) held at Jaipur, 1983.

Conferences/Symposium/Workshop attended (past 3years)

- Participated in the one day Faculty Empowerment workshop on “**National Workshop in Stress Management and Emotional Intelligence in Teaching – Learning Environment**” held at Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, on 21st February, 2018.
- Working as Member of Board of Research Studies, Faculty of Inter-disciplinary & Applied Sciences University of Delhi South Campus from October 9, 2017 for Two Years.
- Participated in the Faculty Development Programme on “**Research Methodology**” organized by Internal Quality Assurance Cell of Bhaskaracharya College of Applied Sciences (University of Delhi) from December 16, 2017 to December 22, 2017.
- Worked as a member of Organizing committee in the workshop on **Awareness Programme on Intellectual Property Rights** organized by Shivaji College in collaboration with DIPP IPR Chair & Centre for Science and Education and Communication (University of Delhi) on September 26th, 2017
- Participated in the workshop on **Skill Training Programme in Science Communication, Science**

Journalism and Scientific Writing organized by The University of Delhi – Centre for Science Education and Communication and Council of Scientific and Industrial Research – National Institute of Science Communication and Information Resources from July 17, 2017 to July 21, 2017.

- Worked as Resource person in the workshop on **Lab Skill Training program for Laboratory Assistants/Attendants in the Chemical and Life Sciences**, organized by Shivaji College (University of Delhi) from July 10, 2017 to July 14, 2017.
- Participated in Programme of Sixth Annual CME of Department of Biochemistry on March 17, 2017 at Sir Ganga Ram Hospital.
- Participated in the Seminar on **Clinical Utility of In Vitro Allergy Diagnosis & Novel Approach in Diagnosis of Autoimmune Disorders** organized by The Department of Biochemistry, Sir Ganga Ram Hospital & Association of Clinical Biochemist of India (Delhi Chapter & North Zone) on January 25, 2017.
- Participated in the national workshop on **Intellectual Property Rights: Culmination of Research** held at Bhaskaracharya College of Applied Sciences (University of Delhi) from September 23, 2016 to September 24, 2016.
- Participated in the workshop on **Environmental Pollution and Health in Urban Ecosystems (EPHUE-2016)** held at Department of Environmental Studies, North Campus, New Delhi on June 23, 2016.
- Attended the workshop on **Laboratory Quality Management System & Internal Audit as per ISO 15189:2012 for Clinical Laboratories** Training Course, organized by Indian Institute of Quality Management (IIQM), Jaipur, India from June 14, 2016 to June 17, 2016.
- Worked as Resource person in the workshop on **Lab Skill Training program for Laboratory/Attendants in Chemical and Life Sciences**, organized by Shivaji College (University of Delhi) from May 31, 2016 to June 3, 2016.
- Participated in the workshop on **eCognitio: An Innovative E-learning workshop promoting Student Participation and Collaborative Learning** held at Kamala Nehru College (University of Delhi) on May 23, 2016.
- Completed a course on **Clinical Kidney Transplantation** from Coursera in March 2016.
- Participated in the Seminar on **Food Processing Industries: Their Impact for ensuring Food security** organized by The Institution of Engineers (India), held at Delhi State Centre on February 13-14, 2016.
- Participated in the **Workshop on Lifestyle Disorders – understanding the Molecular Mechanisms** organized by Department of Biochemistry, University of Delhi held at Shivaji College on January 28-29, 2016.
- Participated and helped in the workshop on **DNA FINGERPRINTING** organized by SCIENCE SETU, held at Hindu College, University of Delhi on January 22, 2016.
- Worked as Resource Person in the INSPIRE SCIENCE CAMP, 2015 organized by Shivaji College, on December 19-23, 2015.
- Completed a course on **Child Nutrition and Cooking** from Coursera in May 2015.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

NA

Awards and Distinctions

DISTINCTIONS AND AWARDS

- Taken up Innovation Project (SHC-201) as Principal Investigator - University of Delhi : **Drug Design through Molecular Modeling for Selected Drug Targets in Plasmodium falciparum to Combat Drug Resistance against Malaria** and successfully completed. 2013-2015. Was awarded Best Displayed Award at Scientific Arena of Antardhwani 2015 at University of Delhi for the Project SHC-201
- Completed “**Visiting Summer Research Programme for College Teachers**” of 8 weeks from Tata Institute of Fundamental Research, Mumbai from 24th May to 17th July, 2004. During this period I did research on diagnostic and therapeutic aspect of Malaria.
- Member of core group for Energy and Environment, Delhi University, from 1993 onwards.
- Worked as ‘**Resource Person**’ for a workshop conducted by CPDHE University of Delhi, 1991
- Chaired a scientific session of Annual Conference of Association of Clinical Biochemists of India (ACBI) at Udaipur, 1988. Also represented Delhi chapter in the same Conference.
- Was awarded Certificate for developing diagnostic kits, while in CSIR Centre for Biochemical’s, Delhi.(1981)
- Secured ‘**Fifth rank**’ at M.Sc. part I for which a ‘**Special Certificate**’ was awarded from Bombay University (1977).

- Received an '**Open Merit Scholarship**' for both years at M.Sc. level from Bombay University.(1976-77,1977-78)

PAPERS PRESENTED AT POSITIONAL LEVEL

- Delivered a special lecture on "**Biomolecules**" at State Council of Educational Research and Training (SRCT), New Delhi, in a workshop for teachers in October 1996.
- Delivered a special Lecture on Waste Disposal and Management at Centre for Science Education in January 1995 and Zakhir Hussain College, University of Delhi in January 1996.
- Worked as Resource Person for Orientation Course (OR-22), organized by CPDHE in April 1994.
- Worked as Resource Person for the Refresher Course (Ch-45) in May 1995 held at St. Stephen's College.
- Worked as Resource Person for the Refresher Course (Biochem-4) in April 1994 held at S.V. College, conducted by CPDHE, University of Delhi.
- Worked as Resource Person for the Refresher Course on "**Low Cost Chemical Instrumentation**" conducted by CPDHE, University of Delhi in May 1993.
- Worked as Resource Person at workshop conducted by CPDHE, University of Delhi in February 1991.
- Chaired a Scientific session of Annual Conference of Association of Clinical Biochemists of India (ACBI) held at Udaipur, 1988.

Memberships

LIFE MEMBER OF LEARNED SOCIETIES

- Association of Clinical Biochemists of India (ACBI) - Membership No. 913
- Society of Biological Chemists of India. (SBCI) - Membership No. 319
- Indian College of Allergy & Applied Immunology.(ICAAI) - Membership No.LM- 079
- Indian Immunology Society. (IIS) – Serial No 781
- Biotechnology Society of India.(BSI) - Receipt No. 02
- Association of Teachers in Biological Sciences. (ATBS) - Membership No. 0288
- Member of Proteomics (India) (PSI) – Membership No. 247

Other Academic Activities

- Participated in **Land Mark Forum from 24th -26th September and 28th September 2010** organised by Land mark Education Breakthrough Technologies Pvt Ltd.
- Passed Post Graduate One year **Diploma in Intellectual Property Rights Laws** from The Indian Law Institute (Deemed University) in July 2010.

Cultural/Extracurricular Activities

Member of various committees during my career at Annual Day, Annual Festival and Sports Day and Other academic activities

Dr. Neena R Wadehra

Signature of Faculty Member