




Shivaji College Faculty Details Proforma

Title	DR.	First Name	RASHMI	Last Name	WARDHAN	Photograph
Designation		Associate Professor				
Address		Department of Biochemistry, Shivaji College, University of Delhi, Delhi -110027, India				
Office Phone No.						
Residence						
Mobile		9811509435				
Email		rashmiwardhan56@gmail.com				
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Educational Qualifications						
Degree		University/Institute			Year	
Ph.D.		L.L.R.M medical college, Meerut University, UP			1984	
M.Phil./M.Tech.						
PG		G. B. Pant University of Agriculture & Technology, Pantnagar, UP			1979	
UG		D.A.V college, Meerut University, UP			1975	
Any Other Qualification		Post Doc -Flinder University, Adalaide, Australia			1997-1998	
Career Profile						
Associate Professor, Dept. of Biochemistry		Shivaji College, University of Delhi 02 September 1996 – continue				
Assistant Professor, Dept. of Biochemistry		Shivaji College University of Delhi				

07 September 1989 - 01 September 1996

Pool Officer (Senior Research Associate), CSIR, Lady Harding College

University of Delhi

08 May 1987 - 30 November 1987

Pool Officer, CSIR, Dept. of Biochemistry

All India Institute of Medical Sciences (AIIMS)

01 December 1987 - 06 September 1989

Demonstrator, Dept. of Biochemistry

Kalavati Saran Children Hospital, Delhi

21 February 1984 - 08 January 1985

Biochemistry Specialist, Sir Ganga Ram Hospital

New Delhi

13 June 1983 - 01 January 1984

Demonstrator, L.L.R.M Medical College

Meerut University, Uttar Pradesh

01 May 1980 - 15 February 1983

Administrative Assignments

Senior Research Associate-ship (SRA, Pool Officer), Council of Scientific and Industrial Research (CSIR), Department of Biochemistry, AIIMS, from December 1987 to September 1989.

Areas of Interest/Specialisation

Biochemistry

Subjects Taught

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

- Principal Investigator of the Project: L-asparaginase, an anti tumor agent: Production, Characterization and Molecular Approaches from October 2015- November 2016 (Rs seven lakhs)
- Principal Investigator of the Project “Adulteration of Milk and its effect on Young Population” sponsored by University of Delhi under Innovation Project Scheme from November 2013 to March 2015.
- Research Associate in School of Biological Science, The Flinders University, South Australia on Project “The Role of Protein Kinase C in regulating apoptosis in U937 cells”, from May 1997 to January 1998.

Publications Profile (Research Papers/Books)

- **Text Book of Membrane Biology** by **Rashmi Wardhan** and Padmshree Mudgal (2018), published by **Springer Nature** ©-2017, **pages 368**, Print ISBN-978-981-10-7100-, online ISBN- 978-981-10-7101-0, DOI: <https://doi.org/10.1007/978-981.10-7101-0>
- **Editor of the Book** ‘Light, Camera, Travel, (2016), a coffee table book’, written by Dr. Harsh Wardhan. **ISBN: 978-93-52672- 99-8**
- **Rashmi Wardhan (2016), Women Empowerment -Myth or Reality, book chapter in Utkarsha: Epitomising Progress**, Women Development Cell, Shivaji College, published by Prithvi Prakashan, ISBN-978-81-86845-41-0 .
- **Rashmi Wardhan**, Abhishek Umrawal and Mridula Budhiraja (2014) **“An application of logistic regression to study women empowerment and sex discrimination”** in book entitled “Empowering Women: The Indian Socio-Cultural Scenario”, page no 98-115, ISBN: 978-9380397498.(popular chapter)
- **Rashmi Wardhan** and Lata Nain (2017) Milk Borne Pathogens: Isolation and Identification Health Risk to Population, Especially Young Ones, International Journal of Applied and Physical Sciences, 3(1) : 13-18 . DOI: <https://dx.doi.org/10.20469/ijaps.3.50003-1>
- **Rashmi Wardhan** and V prabhavati (2017), ‘L asparaginase an antitumor agent: Identification from various microorganisms, in 4th International conference on science and arts of holistic health: issues, challenges, opportunities, prevention and awareness, holistic health 2017, organized by Krishi Sanskriti Publication and Dr. G C Mishra education foundation on 25th Feb. 2017 in JNU, Delhi.
- **Rashmi Wardhan**, V. Prabhavathi et al (2016), **Isolation and Identification of microorganisms with high activity of L –Asparaginase: Anticancer enzyme**, *DU Journal of Undergraduate Research and Innovation* 2(1):171-179 Research Innovation ISSN-2395-2334.
- **Rashmi Wardhan (2016)**, Carcinogenic and organo toxic compounds in milk, life: *International Journal of Health and Life-Sciences* 2(2):55-70. DOI- <http://dx.doi.org/10.20319/ijhls.2016.22.5570> <http://grdspublishing.org/journals->
- **Rashmi Wardhan** presented paper on Milk borne pathogens: Isolation and identification, health risk to population especially young ones presented at 16th International Conference on Medical, Medicine and Health Sciences” (**MMHS 2016**), July 11-12, Singapore, Proceedings ISBN-978-969-670-722-6.
- **Rashmi Wardhan (2016)**. Polycystic Ovarian Disorder (PCOD): Cause and Control. *International Journal of Biotechnology and Biomedical Sciences* 2(1): 32-33, pISSN2454-4582, e-ISSN 2454-7808
- **Rashmi Wardhan (2015)**. “Analysis of Toxic compounds found in milk by GC-MS” *International Research Journal of Natural and Applied Sciences* 2: 45-57. IF- 2.818 ISSN: (2349-4077)
- **Rashmi Wardhan**, Dr. Sanjeev Kumar (2015) **QUALITY OF MILK AND AWARENESS AMONG CONSUMERS IN DELHI-NCR**, *International Research Journal of Human Resources and Social Sciences* 2(5) IF- 2.561 ISSN: (2349-4085)
- **Rashmi Wardhan (2016)**, **CARCINOGENIC AND ORGANO TOXIC COMPOUNDS IN MILK, LIFE**: *International Journal of Health and Life-Sciences*, Vol. 2 Issue 2, pp. 55-70. ISSN2454-5872DOI-<http://dx.doi.org/10.20319/ijhls.2016.22.5570> <http://grdspublishing.org/journals->
- **Rashmi Wardhan (2015)** **“Analysis of Toxic compounds found in milk by GC-MS”** *International Research Journal of Natural and Applied Sciences*, Vol, 2: 45-57, ISSN (2349-4077). IF 2.818 reviewed refereed open access international e journal, included in

international directories. Web site –www.aarf.asia

- Mridula Budhiraja, **Rashmi Wardhan**, Keerti Jain Behera (2013) “**Continuous model of tumor induced angiogenesis and anti angiogenesis strategy**” Mathematical Journal of Interdisciplinary Sciences, Vol:2, No 1:57-75.
- Paper presentation in International and National conferences**
- **Rashmi Wardhan** and Lata Nain (2016), Milk **born pathogens :Isolation and identification, Health risk to population especially young ones** presented at 16th international conference on Medical, Medicine and Health sciences”(MMHS 2016) , July 11-12 ,Singapore , Proceedings ISBN-978-969-670-722-6.
 - **Rashmi Wardhan (2016)**, Polycystic ovarian Cyst Disorder (PCOD): causes and control, paper presented at International conference on Public health: issues, challenges, opportunities, prevention, awareness (Public health 2016), organized by Daulat Ram college, University of Delhi, Delhi, India and Krishi Sanskriti, New Delhi, India on 15th and 16th January 2016
 - **Rashmi wardhan** , Deepika Yadav and Vanshika lumb (2014),poster presentation on “**Diabetes: Disease progression, associated cardiovascular risks and new age drug therapy**” in National Conference on Understanding the Mechanism and Challenges of Complex Diseases, organized by Department of Biomedical Sciences, Shaheed Raj Guru College of Applied Sciences for Women, University of Delhi from 29th-30th December 2014.
 - **Rashmi Wardhan**, Abhishek Umrawal and Mridula Budhiraja (2013), “**An application of logistic regression to study women empowerment and sex discrimination**” in the first WDC International Conference on Empowerment of Women in the Developing World, organized by WDC, Shivaji College, University of Delhi on 1st -2nd April 2013.

Conference/Seminar/Faculty Development Programme/Workshop

- **1991**, Refresher Course in Biochemistry-Code Biochem-1, organized by Centre for Professional Development Higher Education, University of Delhi.
- **1992**, Refresher course in Biochemistry –Code **Biochem-2**, organized by Centre for Professional Development Higher Education, University of Delhi.
- **2001**, Refresher course in Biochemistry, BCH-5, Organized by Centre for Professional Development Higher Education, University of Delhi.
- **2002**, Workshop on Bioinformatics “Application of Genomics and Proteomics” organized by Bioinformatics Centre, JNU and Distributed Information Sub Centre, South Campus, University of Delhi from 1st February to 3rd February.
- **2003, National Symposium** “Biotechnology: Expanding horizons” Organized by Acharya Narendradev College, University of Delhi from 17th October to 18th October 2003.
- **2004**, 5th Annual symposium on frontiers in Biomedical research, organized by B.R. Ambedkar Centre for Biomedical Research, University of Delhi from 14th April -16th April 2004.
- **2006**, The Second Asian-India Bioinformatics HRD Program, supported by the Ministry of External affairs, India, DBT, Ministry of Science and Technology and Asian Secretariat, Organized by Sri Venkatachalam College, University of Delhi, from December 14th -16th, 2006.
- **2006**, National symposium on “Emerging Trends in Biotechnology” organized by Department of Biochemistry, Deshbandu College, University of Delhi, from November 16th -17th, 2006.
- **2009**, Workshop on “National Summer School on Molecular Cell Biology”, organized by Sri Venkateshwara College, University of Delhi, from May 11th -16th 2009.
- **2009**, National Symposium on “Molecular Cell Biology” organized by Department of

- Biochemistry, Shivaji College, University of Delhi from 24th -25th November 2009.
- **2009**, National symposium on “Biotechnology in the Post Genomic Era”, organized by Department of Biotechnology, Sri Venkateswara College, University of Delhi from 9th - 10th April, 2009.
 - **2010**, National workshop on “RNAomics: Isolation to Interference”, organized by Department of Biochemistry, Shivaji college, University of Delhi, from October 25th -29th 2010.
 - **2010, Institute** of Life Long Learning (ILL) workshop Tier II entitled “ICT workshop for capacity building of Delhi University faculty”, from January 8th -14th, 2010.
 - **2010**, National symposium on Current Trends in Genomics and Proteomics organized by Deshbandu College, University of Delhi, from February 4th-5th, 2010.
 - **2011**, Workshop on “Impact of Biotechnology on man and Environment” organized by TERI University, on 10th March 2011.
 - **2011**, “Bioinformatics workshop for life sciences faculty” held at Bioinformatics Centre, organized by Sri Venkateswara College, University of Delhi, Delhi from July 27th -30th, 2011.
 - **2011**, National Workshop on “Evolutionary perspectives in Modern Biological Teaching and Research”, organized by ILL, Centre for Science Education and Communication at Acharya Narendra Dev College, University of Delhi from May 9th -10th, 2011.
 - **2012**, Drosophila Stock Center “2nd Training Workshop in Drosophila Genetics” organized by Department of Zoology, from 28th -29th January 2012.
 - **2014**, “1st International Conference on Emerging Trends of Nanotechnology in Drug Discovery” organized by Sri Venkateswara College, University of Delhi and Department of Biochemistry, University of Delhi South Campus in association with CQM, University of Madeira, Portugal from 26th -27th May, 2014.
 - **2014**, “Workshop on Past life Regression and Spiritual Science” organized by Life Research Academy, Hyderabad, at IHC, Delhi from 30th May -1st June 2014.
 - **2014**, National Conference on “Understanding the Mechanism and Challenges of Complex Diseases” organized by Department of Biomedical Sciences, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi from 29th-30th December, 2014.
 - **2016**, Participated in National seminar on water and air quality in urban ecosystem, organized by eco club, Shivaji college on 22nd March 2016
 - **2015**, Participated in one day workshop ‘ANKURAN” on development of Herbal Garden, organized by e -Saviors Eco club, Shivaji college, University of Delhi in collaboration with National Medicinal board, Ministry of AYUSH, Govt. of India, Centre for Environment education, department of environment, Government of NCT of Delhi, held on 29th Jan. **2015.**
 - **2017**, participated in training Workshop on Zebra fish as animal model, organized by department of Biochemistry and Zoology of Daulat Ram College, University of Delhi from 15-17 March 2017.
 - **2017**, participated in global R and D Summit 2017, with a thematic focus on Destination India: R&D and Innovations for Socio-Economic and Industrial Development’, held on 6th-7th April 2017 at The Lalit Ashok, Kumara Krupa High Grounds, Bengaluru, organized by FICCI, India

Invited guest speaker for Chemistry of Biomolecules and technology in Multanimal Modi college, Modinagar, UP on 29th October 2015. The lecture was attended by post graduate and undergraduate students of Chemistry, life sciences and biotechnology.

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

- 10 undergraduate students worked in the project entitled as “L-asparaginase, an anti-tumor agent: Production, Characterization and Molecular Approaches” from October 2015- November 2016
- 10 undergraduate students worked in the project entitled as “Adulteration of Milk and its effect on Young Population” sponsored by University of Delhi under Innovation Project Scheme from November 2013 to March 2015.
- Three undergraduate students of Biotechnology from Amity University were trained for three months for their undergraduate projects.

Awards and Distinctions

- Best Poster Presentation award by University of Delhi (2016) I research display at the convocation ceremony for innovation project titled as “L asparaginase, an antitumor agent: Production , characterization and molecular approaches”
- Best poster presentation award (2016) in Innovation conclave 2016, Nurturing research at UG level by ANDC, University of Delhi for project work entitled as Isolation, purification and optimization of different parameters of L Asparaginase from microorganism *Alcaligene faecalis*.

Certificate of Appreciation (2016) by University of Delhi for innovation project SHC 312, selected for display in University.

Memberships

- **Life Member**, Society of Biological Chemists.
- **Life Member**, Indian Immunological Society.
- **Life Member**, Proteomic Society. Registration no 245
- **Member**, Management committee of Shardein school, Muzaffar nagar ,UP
- Academic Supervisory Committee (2004-2006)
- Fee Concession Committee (2004-2006)
- **Organizing committee First WDC International Conference** on “Empowerment of Women in the Developing World” organized by Women Development Cell, Shivaji College, University of Delhi, in collaboration with WSDC, University of Delhi and NIDM, Ministry of Home Affairs, Govt. Of India (2013.)
- Organizing Committee of DBT-DST-ICMR-CSIR Sponsored National Workshop on “**RNAomics: Isolation to interference**” in collaboration with Roche, Medox and TCGA from (2010)
- Organizing Committee of Workshop **for laboratory Assistants/ Attendants** in Chemical and Life Sciences, Shivaji College, University of Delhi (2014)
- Organizing committee in the **INSPIRE Science Camp** (innovation in science pursuit for inspired research) sponsored by Department of science and technology (**DST**), Govt. of India in 2016.
- Organizing committee for **National symposium on life style disorders, understanding the molecular mechanism**, Shivaji College, University of Delhi (2016)
- Organizing committee in workshop on **DNA finger printing** (2016), Hindu college, University of Delhi
- Organizing committee for **inspire Science camp** (2015), sponsored by Department of Science and Technology (**DST**), Govt. of India (2015)
- Organizing committee for **National Symposium on Life Style Disorders: understanding its**

molecular mechanism, Shivaji College, University of Delhi (2016)

Selection committee for selection of lecturer (Assistant professor) in Zoology, Assistant teacher in science and Assistant teacher in biology and chemistry, Dayal Bag University, Agra, UP (2016)

Other Academic Activities

Convener of various committees in the college

- Fine Arts society (2004-2006)
- Cultural committee (2005-2007)
- Student advisory committee (2010-2012)
- Discipline committee (2016-2018)
- Music and drama society (2004-2006)
- Evaluation center of Shivaji college for Environment and SEC papers (2016-2017)
- Women development center (2008-2010)
- **UGC Sponsored National Conference** on “Trapped between Tradition and Modernity: Changes and Challenges faced by Women in India” (2010.)
- **UGC-ICMR sponsored National Symposium** on “Molecular Cell Biology” (2009)
- **Prospectus** publication committee (2010-2011)
- Co- convener of Evaluation Center of Shivaji College in Electronics.

Cultural/Extracurricular Activities

- **Winner of debate** of **Meerut Commissionaire** and participated in **state level debate** in 1973 as student of DAV Inter College, UP.
- Selected at All India level and successfully completed **Entrepreneurship Development Program organized by FICCI**, New Delhi from 25th February 1987 -9th April 1987.
- **Certificate course** in **Web-Centric Computing** at NIIT, 2001.
- Successfully completed **Trekking expedition to Kailash Mansarover** organized by Ministry of External Affairs, Government of India, July- 2014.

Signature of Faculty Member