

CURRICULUM VITAE

(DR. RITA BHATLA)



NAME : RITA BHATLA
DATE OF BIRTH : January 21, 1961
PROFESSIONAL STATUS : Associate Professor, Department of Chemistry,
Gargi College, Delhi University
CONTACT (Email) : rita.bhatla@gargi.du.ac.in
(Mobile) : 9818462897

EDUCATIONAL QUALIFICATIONS:

Examination	Year	Board/University	Division	Percentage
B.Sc. (Hons.) Chemistry	1980	Panjab University	I	69.4
M.Sc. (Hons.) Chemistry	1981	Panjab University	I	69
M.Phil. (Organic Chemistry)	1983	Panjab University	I	73.3
Ph.D. (Organic Chemistry)	1986	Panjab University	--	--

FELLOWSHIPS AWARDED:

1. Junior Research Fellowship from UGC (1982-1985)
2. Senior Research Fellowship from CSIR (1985-1987)
3. Research Associateship from UGC (1987-1991)

RESEARCH EXPERIENCE: Nine years

THESIS SUBMITTED

1. **M.Sc.** : Synthetic Investigations in Diterpenoids
2. **M.Phil** : Synthetic Investigations in Terpenoids [Synthesis of (+)5,6- Dehydrosene-digitalene
3. **Ph.D.** : Synthetic Studies in Terpenoids and Related Compounds

RESEARCH PUBLICATIONS

1. **Bhatla, Rita**, Gogna, M. Aggarwal, R. & Bhat, V. (2022). Possible interaction of water-soluble vitamins with nitric oxide and its significance – Evidence from reversed phase-high pressure liquid chromatography (RP-HPLC). *International Journal of Innovative Research in Technology*, 9(3), 547-557.
2. Aggarwal, R. & **Bhatla, Rita** (2022). Fabrication of low cost, natural dye-sensitized solar cells (DSSCs). *International Journal of Innovative Research in Technology*, 9(3), 415-420.
3. Aggarwal, R. & **Bhatla, Rita** (2022). Monitoring of heavy metal contamination in dietary vegetables. *International Journal of Ecology and Environmental Sciences*, 48, 609-613.
4. **Bhatla, Rita** (2022). Nanourea – An eco-friendly nitrogen fertilizer. *International Journal of Ecology and Environmental Sciences*, 48, 541-546.
5. Ahluwalia VK, Kumar R, Khurana A and **Bhatla, Rita** (1990). A convenient synthesis of 1,3-diaryl-1,2,3,4-tetrahydro-5,7,7-trimethyl-4-oxo-2-thioxo-7H-pyrano[2,3-d]pyrimidines. *Tetrahedron*, 46(11), 3953-3962.
6. Ahluwalia VK, **Bhatla Rita**, Khurana A and Kumar R (1990). Synthesis of 1,3-diaryl-7,7-diethyl-5-methyl-4-oxo-2-thioxo-1,2,3,4-tetrahydro-7H-pyrano[2,3-d]pyrimidines. *Indian Journal of Chemistry* 29B, 1141-1142.
7. Vig OP, Nanda R, **Gaubha Rita** and Puri SK (1985). Synthesis of (+)-cembrenA. *Indian Journal of Chemistry*, 24B, 918-922.
8. Vig OP, Sharma ML, **Gaubha Rita** and Puri SK (1985). Synthesis of 2,6,10-trimethyldodeca-2(E)-triene-1,12-diacetate. *Indian Journal of Chemistry*, 24B, 513-515.
9. Vig OP, Sharma ML and **Gaubha Rita** (1985). A new synthesis of Nona-2E,6Z-dienal. *Indian Journal of Chemistry*, 24B: 313-314.
10. Vig OP, Dua DM, **Gaubha Rita** and Puri SK (1982). Synthesis of (+)-2-methyl-6-(4'-methyl-phenyl)-1-hepten-3-one & (+)-2-methyl-6-(4'-methylphenyl)-3-heptanone. *Indian Journal of Chemistry*, 22B, 406-407.

PAPER PRESENTATION IN CONFERENCE

Bhatla, Rita (2022). Possible interaction of glycine betaine with nitric oxide and its significance. In: International e-Conference on “*Recent Advancements in Chemical Sciences: Health, Environment and Society (ICRACS) – 2022*”. April 8-9, 2022). Dshbandhu College, University of Delhi.

RESOURCE PERSON/SUBJECT EXPERT

1. Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.
(Appointment of Asstt. Professor in Chemistry, ad-hoc)
Subject Expert
January 30, 2020
2. Institute of Lifelong Learning, University of Delhi
DU Pre-Entrance Summer School-2018
Resource Person
June 1, 2018 to June 16, 2018

FACULTY DEVELOPMENT PROGRAMMES (FDP)

1. Gargi College, University of Delhi
Interactive session on “*Foldscope*”
December 16, 2015
2. Gargi College, University of Delhi
Orientation programme in “*Role of e-technology in academic research and teaching-learning interactions*”
December 8-9, 2011
3. Centre for Professional Development in Higher Education,
University of Delhi
Refresher Course in Chemistry – Code CH-90
November 15 – December 5, 2000
4. Centre for Professional Development in Higher Education,
University of Delhi
Refresher Course in Chemistry – Code CH-89
May 19 – June 8, 1999
5. Centre for Professional Development in Higher Education,
University of Delhi
Refresher Course in Chemistry – Code CH-34
April 26 – May 14, 1993
6. Centre for Professional Development in Higher Education,
University of Delhi
Refresher Course in Chemistry – Code CH-18
December 23, 1991 – January 11, 1992

SEMINARS/WORKSHOPS ATTENDED

1. DS Kothari Centre for Research and Innovation in Science Education,
Miranda House, University of Delhi
“*Empowering Women in Chemistry*”
February 12, 2019

2. British Council & Guru Angad Dev Teaching Learning Centre,
SGTB Khalsa College, University of Delhi
“New Roles of Teachers in Technology-Driven Higher Education”
March 1, 2017
3. DU-JAIST Indo-Japan Symposium, University of Delhi
“Chemistry of Functional Molecules”
February 26-27, 2016
4. ILLL, University of Delhi
“Capacity Building of Delhi University Faculty”
April 12-16, 2010
5. 6th Indo-Italian Workshop
Department of Chemistry, University of Delhi
“Chemistry and Biology of Antioxidants”
December 10-11, 2009
6. Gargi College
“Introduction to Bioinformatics”
September 15-16, 2009
7. Indian Institute of Technology, New Delhi
“Applications of Nuclear Magnetic Resonance to Materials and Medicine”
November 21, 2006
8. Indian Society of Analytical Scientists-Delhi Chapter
“Latest Developments and Applications of X-Ray Fluorescence Technique in Petrochemical Industry”.
December 15, 2003

CONFERENCES ORGANIZED

1. Gargi College
“Emerging Trends in Tertiary Education” Assessing Challenges and Possibilities”
March 29-30, 2019
2. Gargi College
“Combating Industrial Pollution for Sustainable Environment – A Fusion of Industrial and Scientific Efforts (CIPSE-2016)”
September 22-23, 2016

PATHFINDER PROJECTS GUIDED

1. Monitoring of heavy metal contamination in dietary vegetables
2. Fabrication of low-cost, natural dye-sensitized solar cells (DSSCs)

CONTRIBUTIONS TO THE CORPORATE LIFE OF GARGI COLLEGE

Served as an active member/convenor of the following committees:

1. Member, Laboratory maintenance and safety measures

2. Development of a new laboratory in the Chemistry Department
3. **Student Advisor** for the Chemical Society for five years
4. **Convenor** of College magazine for three years
5. Member of the Medical Committee for five years
6. **Convenor** of Medical Committee for three years
7. Member, Infrastructure Development Project
8. **Convenor** of Time Table committee
9. Deputy Superintendent (Examinations)
10. **Superintendent** of Practical examinations (1998-2000; 2018)
11. Member, Canteen Committee
12. **Convenor** of UG & PG Admission Committee in Gargi College (2018)
13. **Proctor**, Gargi College (2019-2022)
14. **Member**, Infrastructure Maintenance Committee (2022-2023)
15. **Member**, Alumni Committee (2022-2023)
16. **Member**, Committee for UG admissions in Delhi University for SC candidates