

Resume of Prof.(Mrs.) Mala Nath

Name: Dr.(Mrs.) MALA NATH

Designation: Professor

Affiliation: Department of Chemistry, Indian Institute of Technology Roorkee

Date of Birth: 19-04-1955

Professional Experience: Date of joining the Institute(DD/MM/YY): IITRoorkee
(Formerly known as University of Roorkee upto Sept. 2001)

Lecturer	Reader/Asstt. Professor	Assoc. Professor	Professor
03.06.1981	Reader: 31.08.1994	30.04.1998	25.06.2001 till date

Educational qualifications:

Degree	Name of Degree	Subject	Institution	Division	Year
Bachelor	B.Sc.	Chemistry,Botany,Zoology	Lucknow University	First	1974
Master	B.Sc(Hons.)	Chemistry	Lucknow University	First with II position	1975
	M.Sc.	Inorganic Chemistry	Lucknow University	First with I position	1976
Doctoral	Ph.D.	Organometallic Chemistry	Lucknow University	A grade	1980

Research and Teaching Experience:

Post-Doctoral Research Experience: 1 year, 1980-1981, Post-doctoral fellow, CSIR, New Delhi at Lucknow University.

Teaching Experience: Under Graduate and Post Graduate: 28 years, 6 months

Research Experience: 33 years

Ph. D./Dissertation Guidance: Masters (M.Sc.): 41; M.Phil.: 09; M.Tech. 02; Doctoral (Ph.D.): 12 Awarded: 03 in progress

Sponsored Research Projects: Number: 11 completed; Amount: Rs. 49,47,000/-

Consulting Projects: Number: 05 completed; Amount: 12,500/-

Continuing Education Project: Number 02, Amount: Rs. 28,000/-

Research Publications: Referred Journals: 91 published; 03 communicated.

Review Articles: 03

Conferences: 41; 01 communicated

Books (authored): 01; 1 chapter on 'Cardiovascular activity of organotin Compounds' in Wiley Interscience Book, 'Tin Chemistry, Frontiers and Applications" 2008.

Honours and Awards:

1. Gold Medal for 1st position in Biogroup in B.Sc. in Lucknow University
2. Gold Medal for 1st position in Inorganic Chemistry in M.Sc. Lucknow University
3. Gold Medal for 1st position in Chemistry Department in M.Sc. Lucknow University
4. Certificate of Professional Women's, American Biographical Institute, Inc.

Memberships of societies:

1. Life member of Indian Chemical Society, Calcutta, India.
2. Life member of Indian Science Congress, Calcutta, India.
3. Active Member of The New York Academy of Sciences.
4. Member of American Association for Advancement of Science.
5. Member of Professional Women's Advisory Board, American Biographical Institute, Inc.
6. Member of Indian Biophysical Society for 2003, India.
7. Member of National Academy of Sciences, India since 2005.

Memberships of editorial Board of Journals

1. Honorary Member of the Editorial Board of the International Journal of Bio-Sciences and Technology since 2008.
2. Member of Editorial Board of ICFAI Journal, Dehradun, India.

Memberships of Board of studies of Institutions/Organizations

1. Member of Board of Post Graduates Studies and Research in Chemistry, Deen Bandhu Chhotu Ram University of Science and Technology, Murthal (Sonapat), India

National/International Collaboration:

1. Prof. Marcel Gielen, Prof. Rudolph Willem and Dr. Monique Biesemans, 4Vrije Universiteit Brussel (VUB), High Resolution NMR Centre (HNMR), Room 10G710, Pleinlaan 2, B-1050 Brussels, Belgium.
2. Prof. George Eng, Department of Chemistry and Physics, University of the District of Columbia, 4200 Connecticut Avenue, NW Washington, DC 20008, USA.
3. Dr. Dick de Vos, Pharmachemie BV, Medical Department, NL-2003 RN Haarlem, The Netherlands.

4. Ashok kumar, Department of Pharmacology, LLRM Medical College, Meerut 250004, India.
5. Dr. M. Rajeshwari, Biochemistry Department, AIIMS, New Delhi.

Current Research Interests:

1. Organometallic compounds of Sn and Si having biological activity/anti-tumor activity.
2. Development of metal based anti-tumor drugs.
3. Organotin compounds as precursors for nanometric semiconductors SnS/SnO₂
4. Development carbon-based materials incorporated with organometallic compounds for hydrogen storage and release.

Any Other Attainments:

I. Member of Professorial Committee of Department of Biotechnology, IITRoorkee, India.

II. Acting as a Referee of International and National Journals such as

1. Applied Organometallic Chemistry;
2. Association of Food Scientists and Technologists, Mysore (India);
3. Pakistan Journal of Science and Tecnology;
4. Coordination Chemistry Review;
5. Indian Journal of Chemistry;
6. New Journal of Chemistry;
7. Journal of Solution Chemistry;
8. Spectroscopy Letters;
9. Phosphorous, Sulphur and Silicon;
10. Interantional Journal of Biotechnlology;
11. Journal Organometallic Chemistry.