

BIO-DATA

Name: Dr. Rina Saha

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Qualification : M.Sc., M.Phil., M.Ed., Ph.D.

Faculty : Science

Subject : Chemistry

Occupation : Service, College Education, Rajasthan.

Date of Appointment : 27.01.1999

Designation : Associate Professor

Posting : Government Maharani Sudarshan College for Women, Bikaner.

Experience : U. G. 22 years.

Academic Courses : Orientation Course (ASC JNU), [17.07.2000 – 11.08.2000]
Refresher Course (ASC University of Calcutta), [19.02.2002 -12.03.2002]

Refresher Course (ASC M.D.S. University of Ajmer),
[01.02.2008 – 21.02.2008]

Refresher Course (ASC University of Raj., Jaipur),
[11.08.2008 – 30.08.2008]

Computer Skill : Certificate in Computing from IGNOU

Conference/

Seminar : Proceedings of the fortieth Annual Convention of Chemists 2003 Jhansi Dec. 23-27,2003. Org(pp)38: Investigations on the 1,3-Dipolar Cycloadditions of C,N-Diarylnitrones.

National Seminar on Intellectual Property Rights: Legal Regime and Indian Concerns held on Sep. 21-22, 2004.

Seminar on Acharya Prafulla Chandra Ray and Chemistry Today held on 15.09.2006.

International Symposium on Current Perspectives in Organic Chemistry Dec. 7-9, 2006. Title: 1,3- Dipolar Cycloadditions of Nitrones to Diethyl Arylidene Malonates.

International Symposium on Structure and Dynamics : From Micro to Macro Dec. 15-17, 2006. Title : Microwave Irradiation Aided Reactions of β -diketones and β -ketoesters with Aromatic amines: A Convenient Route to Quinolines.

Seminar on Acharya Prafulla Chandra Ray and Chemistry Today held on Aug.2-3, 2007.

National Seminar on Recent Trends in Nuclear Sciences held at University of Bikaner on 19.01.2008.

National Conference on Recent Advances in Chemical Sciences, Oct. 3-5, 2008. Title: 1. Microwave Assisted Synthesis of Quinolines. 2. Effects of Electrolyte on Twisted Intramolecular Charge Transfer Reaction.

Paper presentation on X-Ray Crystallographic Analyses of some Cycloadducts of Nitrones with β -nitrostyrene in 96th Indian Science Congress held at North Eastern Hill University, Shillong, from Jan. 3-7, 2009.

National Scientific Seminar on Multitask programme of Atomic Energy in Social Perspective held at Bikaner by Hindi Vigyan Sahitya Parishad Bhabha Atomic Research Centre, Mumbai and Rajasthan Animal University March 4-5, 2011.

Paper presentation on Chemical Sciences in the 21st Century: Challenges and Opportunities in 100th Indian Science Congress held at Calcutta University, Kolkata, from Jan. 3-7, 2013.

Paper presentation on Microwave Irradiation Mediated Reactions of Indoles with *C,N*-Diarylnitrones – Synthesis of diindolylmethanes in 102nd Indian Science Congress held at University of Mumbai, Mumbai, from Jan. 3-7, 2015.

State Level Seminar held at Govt. M. S. College, Bikaner from Jan.27-28, 2015.

Oral Presentation on Natural Disaster: Cloudburst in NSCTER- 2015 held at MGSU, Bikaner from 28th Feb.to 2nd March, 2015.

Paper presentation on Effect of Reaction Conditions and catalysts on 1,3- Dipolar Cycloadditions of C, N-Diaryl nitrones to Methyl Cinnamate. in 103rd Indian Science Congress held at University of Mysore, Mysuru, from Jan. 3-7, 2016.

Paper presentation on Removal of Toxic Metals from Drinking Water: Few Technologies in ICRCs-2017 held at Govt. Engineering College Bikaner in Association with Indian Chemical Society from Jan. 12-13, 2017.

Paper presentation on Raising Awareness About Environment through Ecotourism in ICRCs-2017 held at Govt. Engineering College Bikaner in Association with Indian Chemical Society from Jan. 12-13, 2017.

Paper presentation on Renewable Energy Resources in National Conference on Innovative Trends in Physics and Futuristic Engineering- Vision 2030 (ITPEE-2017) held at Manda College, Bikaner from Jan. 20-21, 2017.

Chaired the session on Chemical Science and Instrumental Holding in Workshop on Recent Advances in Chemical Sciences held at P.G. Dept. of

Chem. Govt. Dungar, College, Bikaner from Jan. 23-25, 2017.

Chaired the session in Technical Session II International Workshop and Symposium on Green Chemistry and technology (IWSGCT-18) at P.G. Dept. of Chem. Govt. Dungar, College, and Bikaner from Oct. 15-17, 2018.

Published

Papers : 1,3 Dipolar cycloadditions: Part XIV – Highly Selective cycloadditions of *C*, *N*-diaryl nitrones to diethyl aryl methyl malonates in Indian Journal of Chemistry, Vol 46B, Sep. 2007, pp 1495-1500.

1,3 Dipolar cycloadditions: Part III – Microwave irradiation assisted synthesis and spectroscopic investigations of *C*-aryl-*N*-phenyl and *C*-aryl-*N*-phenyl-(4-chlorophenyl) nitrones in Journal of the Indian Chemical Society, Vol 84, Oct. 2007, pp 1004-1010.

Reaction Intermediates for Microwave Irradiation Assisted Synthesis of *N*- Aryl Enaminoketones and their subsequent conversion to Quinolines: An experimental and DFT study in Asian. J. Research Chem12 (2): March-April 2019.

[3+2] Cycloadditions. Part-xxxvi. Further Studies on Cycloadditions of a *C,N*- Diaryl Nitron to Methyl

Cinnamate- effects of Reaction Conditions and Catalysts in Indian Journal of Heterocyclic chemistry Vol.30- Number XX(xxx-xxx2020)1-5.

Books : Practical Chemistry for B.Sc. Part I, Alka Publication , Ajmer.

Introductory Chemistry, Alka Publication , Ajmer.

Advance Chemistry for B.Sc., B.Ed. Alka Publication , Ajmer.

**Professional
Development**

Activities : Participated in the Information Communication Technology (ICT) training programme during 13.02.09 to 26.02.09.

Participated in the Faculty Development Programme (FDP) during 27.01.12 – 07.02.12 and 28.01.2013 to 07.02.2013.

Two days Summer Training Programme on Environment Leadership Development during June 5-6, 2009. The programme is valuable towards Green Earth Movement.

Life Member of the Indian Science Congress Association. Membership No. L12782.

Students Related

Co-curricular,

Extension & field

based activities : Worked as program officer of first unit of NSS.

Camps and Exhibitions were conducted. Best out of waste, Food preservation, Self-grooming etc. were taught during camp.

Posters and slogans related current issues, like terrorism, killing female foetus, seasonal diseases etc. for creating awareness in the students were put for exhibition.

Counselling of students for their better future.

Oral presentation on Career in Textile Chemistry was delivered during a programme on Career Counselling and Job Hunting held on 13.02.2012 and 14.02.2012.

During Science Exhibition helped students in preparing and arranging working and non working models.

Contribute to

Corporate life &

Management of

The department/

Institution : During Vidhan Sabha Election 2008 and Nagar Nigam Election 2009, different activities held during the election were videographed.

As per direction of Principal, academic & administrative work through various committees was done.

Physical verification of library and different departments each year.

Worked as a member of Student Union Advisory Committee.

As a member of Examination Committee.

Member of Rajcomp and Computer Committee.

Member of Campus Beautification Committee.

Worked as a member of Prize Distribution Committee.

Member of Scholarship Committee.

Member of Election Committee in Student Union Election.

As a member of Sports Committee during sports activities of college, intercollege, district level/state level.

Member of Centre of Excellence (Model College).

As a member of Cultural, Press Reporting, NAAC SSR Committee.

Alumni member in IQAC Committee.

Alumni, Ex President, Life Member of Sudarshana Purv Chhatra Samiti, Bikaner and proud being student and teacher of Government Maharani Sudarshan College for Women, Bikaner.