

Prof. (Dr.) RAJEEV MEHTA

Registrar

Sangam University, Bhilwara (Rajasthan)

Contact No.:

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OBJECTIVE –

To work in an organization of repute, caring for job satisfaction and providing ample opportunities for growth and innovation.

Professional Synopsis

*A result oriented professional with around 20 years of Teaching, Industrial, Research and Academic and Administrative experience.

*Played the role of establishing the departments chemistry

*Design and development of Laboratories and involving every activity

*As the Head of the School of Basic and Applied Sciences started programs like MSC chemistry, Geoinformatics, Physics, mathematics, Zoology, botany and BSc programs. *Involved as Chairman of the Board of studies and developed the scheme and syllabus of these programs established all the Laboratories.

*Involved in research programs currently 8 research Scholars are doing research work under the supervision of me. One has completed and another scholar already submitted his thesis work.

*As Registrar of the University since December 2020 done infrastructural projects like development of the auditorium of 300 student sitting capacity.

*Development training and placement cell. infrastructure development of entrepreneurship cell.

*Involved in all council body inspections like PCI BCI and ICAR.

*Also initiating the programs like school of physiotherapy and school of nursing in our university.

*Managing all administrative activities, Recruitment cells, Accounts, Affiliation and Approval processes.

Professional Qualification

- **Ph.D.** (Chemistry) on Topic “**Photocatalytic Oxidation of some industrially important compounds in presence of semiconductor ZnO**” from M. D. S. University, Ajmer in 2003.
- **M. Phil.** with **71%** marks from M. D. S. University, Ajmer.
- **M.Sc.** with **65%** marks from M. D. S. University, Ajmer.

Educational Qualifications:

- B. Sc. with **71%** marks from M. D. S. University, Ajmer.
- XII with **66%** marks from Board of Sec. Education, Ajmer.
- X with **75%** marks from Board of Sec. Education, Ajmer.

Research Supervisor: Guiding 8 Research Scholars in the field of Chemistry and 1 successfully awarded.

Patent Published:

1. **Composition of Activated Charcoal of Hibiscus Populneus and Copper nanoparticles for removing fluoride from water.**

Application No. 202311051829 A

Publication Date: 01-09-2023

Professional Experience

1- ORGANISATION: Sangam University, Bhilwara

Designation: Registrar

DURATION: From 1 December 2020 till now

2- ORGANISATION: Sangam University, Bhilwara

Designation: Professor, Chemistry

DURATION: From September 2017 to Till now

3.ORGANISATION: Sangam University, Bhilwara

Designation: Associate Professor, Chemistry

DURATION: From August 2013 to August 2017

4- ORGANISATION: Institute of Technology & Management, Bhilwara

Designation: Lecturer then Associate Professor & Head, Basic Science and Humanities

Subject teaching: Engineering Chemistry, Environmental Engineering.

DURATION: From July 2003 to July 2013.

5- ORGANISATION: M. L. V. Textile & Engineering College

Designation: Lecturer

Subject teaching: Engineering Chemistry, Analytical Chemistry, Physical Chemistry, Advanced Organic Chemistry and Environmental Chemistry.

DURATION: From July 2001 to June 2003.

6- ORGANISATION: Swastika Processors Pvt. Ltd., Bhilwara.

Designation: Dyeing Supervisor

DURATION: From July 2000 to June 2001.

7- ORGANISATION: M.L.V.Govt College, Bhilwara

Designation: Research Scholar (UGC project under Dr. R.L.Pitliya, Department of Chemistry)

DURATION: From August 1998 to May 2000.

Publications

1. Research paper published in international book as chapter “**Recent Trends in Chemical Sciences**” published by **Apple Academics Press** [Taylor & Francis group] **ISBN-13: 978-1-77188-127-2 (Hard Cover)2015**

Title: Study of influence of operational parameters on eliminating Azo dyes from Textile effluent by Advanced Oxidation Technology. ISBN-13: 978-1-77188-127-2 (Hard Cover)2015

2. "Photocatalytic degradation of commercial Textile dye Acid Blue 113 by photo-Fenton Reagent"

Journal of Indian Council of Chemists Vol. 27, 2010, pp. 116-121.

3. "Photocatalytic degradation of Acid Orange 8 by Titanium Dioxide"
Journal of Indian Council of Chemists Vol. 26, 2009, pp. 158-161.

4. "Effect of Transition metal ion on photoassisted bleaching of Reactive Yellow 86 by TiO₂".

Journal of chemical and Pharmaceutical Research, Vol. 2, issue 4, 2010, pp. 546-557.

5. "Heterogeneous photocatalytic treatment of textile dye effluent containing Azo Dye: Direct Crysophenine G"

Der Chemica Sinica, Vol. 2, issue 5, 2011, pp37-46.

6. "Influence of operational parameters on degradation of commercial textile azo dye Acid Blue 113 (Cyanine 5R) by Advanced Oxidation Technology"

Journal of Current Chemical and Pharmaceutical Sciences: Vol.1, issue 1, 2011, pp. 28-36

7. "Treatment of water contaminated by Reactive Rd 198 by Photo-Phenton reagent"

Der Chemica Sinica, 2(2), 177-1 86, 2011.

8. The decolorization and mineralization of azo dye Reactive Yellow 86 in Aqueous solution by Photo-phenton reagent.

Der Pharma Chemica, 3(2), 39-47, 2011.

9. "Photocatalytic degradation of diazinic ring containing Azo dye (Direct yellow12) by photo-Fenton Reagent"

Journal of chemical and Pharmaceutical Research, Vol. 2, issue 4, 2010, pp. 655-662

10. "Photodegradation of commercial textile dye Acid Orange 8 by photo- phenton reagent in aqueous medium"

- International Journal of Chemical Science. 8(4), 2010, pp. 2418-2426.**
11. "Photocatalytic degradation of commercial Textile dye Acid Blue 113 by photo-Fenton Reagent"
Journal of Indian Council of Chemists Vol. 27, 2010, pp. 116-121.
 12. Impact of Dyeing Industrial Effluent on Physicochemical Parameters of Ground Water Quality of Industrial Area of Bhilwara, Rajasthan, **Jornal Studies in Indian PlaceNames, ISSN: 2394-3114, Vol-40-Issue-68-March-2020**
 13. Impact of Dye Industrial effluent on Soil Quality Parameters at Rico Industrial Area, Bhilwara, Rajasthan, **Bioscience Biotechnology Research Communication, Special Issue Vol 13 No 10 (2020) Pp-293-296**
 14. IMPACT OF COVID-19 LOCKDOWN ON PHYSICOCHEMICAL WATER QUALITY PARAMETERS: TEXTILE CITY BHILWARA, **Int. bilingual peerreviewed research journal, Shodh Sanchar Bulletin, Vol.10, Issue 40, Dec.2020, ISSN- 2229-3620, Approved UGC Care**
 15. Impact Of Industries' Effluent On Groundwater And Soil Quality In The Vicinity Of Industrial Area Of Bhilwara(Raj.), **Wesleyan Journal of Research, Vol 13 No 81 (March 2021) Research article: (Chemistry) Approved UGC Care**
 16. Overview of Impact of Mining Activities on Environmental Components, **Wesleyan Journal of Research, Vol 13 No 68 (March 2021) Research article: (Chemistry), Approved UGC Care**
 17. FLUORIDE CONTENT IN GROUNDWATER QUALITY OF SOME VILLAGES IN RAJASTHAN, INDIA EPRA **International Journal of Research and Development (IJRD)**Vol.6, Issue: 6 (June 2021)Peer Reviewed Journal, SJIF Impact Factor 2021: 8.013| ISI I.F.Value:1.241| Journal DOI: 10.36713/epra2016 ISSN: 2455-7838(Online)
 18. Ground water pollution and Treatment with reference of removal of mineral ions, EPRA **Int. Journal of Agriculture and Rural economic research, Peer reviewed , Vol.9, issue**

7, July 2021 Journal DOI: 10.36713/epra0813| Impact Factor SJIF (2021) : 7.604| ISSN: 2321 – 7847

19. SPECIFICATION OF WATER TREATMENT TECHNIQUES WITH REFERENCE TO GROUNDWATER, **International Journal of Environmental Economics, Commerce and Educational Management Journal** DOI: 10.36713/epra0414 |ISI I.F Value: 0.815|SJIF Impact Factor (2021): 7.743 ISSN: 2348 – 814X Volume: 8 | Issue: 7 | July 2021
20. Hydro Chemical Status of Groundwater in Ajmer District, **IJSET - International Journal of Innovative Science, Engineering & Technology**, Vol. 8 Issue 7, July 2021 ISSN (Online) 2348 – 7968 | Impact Factor (2020) – 6.72
21. Changes in Ground Water Quality of Textile City Bhilwara After COVID-19 Lockdown, **Journal of Applied Geochemistry**, Vol. 23, No. 3 (2021), pp. 214-218
22. To investigate the Effects of a Covid -19 lockdown on soil Quality measure in Bhilwaras Industrial Region, Rajasthan, **Journal of Positive School Psychology** 2022, Vol. 6, No. 7, 2388-2392 ISSN Number 23882392
23. Water quality assessment of Banas River, eastern-south region of Rajasthan, using water quality index, **Proceedings of the Indian National Science Academy (2023)** 89:134–142 <https://doi.org/10.1007/s43538-022-00145-7>

Research Papers in Book & Proceeding

1. Research Paper in proceeding of National conference on ACEBS-2016 Advances in Chemical Environmental and Biological Sciences, Challenges in 21st Century, **2016**.
2. Research Paper in proceeding of National Seminar on Environmental Challenges, Chemistry Alumini, M.L.V. Govt. College, Bhilwara (Raj.), **2nd April, 2010**.
3. Paper published in international book as chapter “**Recent Trends in Chemical Sciences**” published by **Apple Academics Press** [Taylor & Francis group] **ISBN-13: 978-1-77188-127-2 (Hard Cover)2015**

Title: Study of influence of operational parameters on eliminating Azo dyes from Textile effluent by Advanced Oxidation Technology. **ISBN-13: 978-1-77188-127-2 (Hard Cover)2015**

4. Photocatalytic Oxidation of Antranilic Acid Using Zinc Oxide: An Advanced Oxidation Process Coping Change through innovation and value creation for society: ISBN Book: 978-93-86724-32-8, **December 2017**
5. "Application of Nano particles as an Emulsion in Insect Management: "**Insect Science and Experiment**" ISBN: 978-93-90420--73-5, 2019-20, Akinik Publication, Delhi

Chapters/General articles

1. Research Paper in proceeding of National conference on ACEBS-2016 Advances in Chemical Environmental and Biological Sciences, Challenges in 21st Century, 2016.
2. Research Paper in proceeding of National Seminar on Environmental Challenges, Chemistry Alumini, M.L.V. Govt. College, Bhilwara (Raj.), 2nd April, 2010.
3. Article "Advanced oxidation Process for textile Effluent Treatment: An Eco-friendly Approach" is published in **EQ:2014-15** of Sangam University.
4. Article; The New Input-Output Model: An Innovative Way to Transform Indian Higher Education System, Coping Change through innovation and value creation for society: ISBN Book: 978-93-86724-32-8, **December 2017**

Book Publications

1.	Lab Manual of Engineering Chemistry	Vigyan & Takniki Prakashan, Educational Publisher, Jaipur	(2007)
2.	Basic Environmental Engineering	Himanshu Publications Udaipur	(2008)
3.	Environmental Engineering & Disaster Management	Himanshu Publications Udaipur	(2009)
4.	Engineering Chemistry	Vayu Education of India, New Delhi	(2010)
5.	Coping Change Through Innovation And Value Addition For Society	ISBN: 978- 93-86724-32-8, Excel India Publication, New Delhi	(2017)
6.	E-Book Drinking Water	US ISBN – 978-1- 957302-18-8,	(2022)

Chemistry- A practical guide	Walnutpublication.com	
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Invited Speaker/ Panel Advisor:

1. Panel Speaker at ArdorComm – New Normal Education Leadership Summit & Awards 2022 at ELSA Jaipur on the topic “Bridging the Urban- Rural Digital Divide Through Mobilizing Technology” December 16, 2022.

National Seminars/ Conferences/ Training:

1. Participated in National Seminar Sponsored by ICSSR, New Delhi on “Atmanirbhar Bharat: The challenges Posed by the Economy of China” May 03-04, 2023 at Sangam University, Bhilwara.
2. Participated in Three days **National Seminar on “Possibilities of Multidisciplinary Research in Linguistic Literature”** and presented a paper entitled “Ancient Indian Chemistry Review Articles” April 25-27, 2022 at Sangam University, Bhilwara.
3. Attended National conference on **ACEBS-2016** Advances in Chemical Environmental and Biological Sciences, Challenges in 21st Century, 2016. Department of Chemistry, Meera Girl’s Govt. College, Udaipur.
4. UGC sponsored National conference on **Modern Trends in Chemical Sciences** at MLS University Udaipur, 30- 31 January 2016.
5. Attended 5 days training program on **“Water Quality Monitoring and Assessment” at Central Water Commission**, New Delhi from 23-27 march 2015.
6. **National Conference on ‘Recent Trends in Research in Chemical Sciences 2014’** Deptt. Of Chemistry, Manipal University, Jaipur [Raj.]
7. **National Conference on chemical sciences in New Millennium 2012**, Department of chemistry, Pacific University, Udaipur (Raj), 8 Jan. 2012.
8. **1st conference on Novel Developments on Medicinal Chemistry**, Department of chemistry, Mewar University, Chittorgarh (Raj.), 19 april, **2011**.
9. **One day Annual research seminar under model college scheme (UGC0)**, Chemistry Alumini, MLV.Govt. College, Bhilwara (Raj.), 13 March, **2011**.
10. **National conference on Emerging Views in Advanced Chemistry**, Department of Chemistry, M.L.V. Govt. College, Bhilwara (Raj.), 17-19th December, **2010**.

6. **National Seminar on Environmental Challenges**, Chemistry Alumini, M.L.V. Govt. College, Bhilwara (Raj.), 2nd April, **2010**.
7. **28th Annual conference of Indian Council of Chemists**, Department of Chemistry, Hemchandracharya North Gujrat University, Patan (Guj.), 07-10th November, 2009.
8. **44th Annual Convention of Chemists 2007** , Indian Chemical Society, Kolkata, at Mahatma Gandhi Institute of Applied Sciences, Jaipur (Raj.), Dec 23-27, **2007**.
9. Attended **National Symposium on Recent Trends in Chemistry** (NSRTC-2007), Department of Chemistry, M.P.P.G. College, Chittoregarh (Raj.) 10th jan, **2007**.
10. Attended **National symposium on Photocatalysis** at Department of Chemistry MLS University, Udaipur Jan 2007.

Other Workshops and FDP

1. Participated in Two week ISTE workshop on Engineering Thermodynamics conducted by IIT Bombay 11-21 Dec.2012
2. Participated in Two days ISTE workshop on Akash Education conducted by IIT Bombay 10-11 Nov. 2012
3. Attended Lecture demonstration session organized by Automation lab, Chemical Engineering department, IIT Bombay on 8-9 may 2012
4. Industry Interface: Running and Monitoring of Textile Effluent Plant, Sangam Spinners, 2014
5. Attended FDP session on “Teaching Skills and Research Methodology”, 5-7 January 2017 Sangam University
6. IET Author's Workshop, Sangam University: 14Nov 2018
7. Two Days National Conference on Research and Innovative Trends in Applied Sciences [NCRIAS 18], Sangam University: 22-23 December 2018
8. NAAC Awareness Seminar: By. Prof. Shyam Singh Inda: 26-27 Nov. 2018
9. One Day Awareness Workshop on Intellectual Property Rights (IPR) : Patents and Copyrights : 5-03-19
10. Two weeks FDP: Workshop of NITTTTR Kolkota on Problem Based Learning : 20 May-31 May 2019.
11. Attended & Participated in “Capacity Development Program for Vice-Chancellors” at Hyderabad Conducted by Institute for Academic Excellence (IAE) May 15-17, 2023.

Attended virtual seminars during COVID 19 Lockdown

1. Attended the Scientific Update virtual course on The Magic Methyl in Medicinal Chemistry, 29th April 2020.
2. Webinar: Identifying weaker students and Remedial Action, 04-05-2020
3. National Webinar on Nutrition and Immunity-Simplified and Applied organized by the Department of Food Technology, Bhaskaracharya College of Applied sciences, Delhi, 19 May 2020.
4. Webinar Series: Beyond the Boundaries: Reinventing Horizons”, Organized by SKIT, Jaipur, 16-20 May 2020
5. E-Quiz series on COVID-19 for Spreading Awareness: Level One (Basics), Department of Biotechnology & Microbiology, University College of Science (UCoS), Mohanlal Sukhadia University, Udaipur, Rajasthan-313001, 25 may 2020.
6. "NAAC Accreditation Management System demo: Wed, May 27, 2020 2:00 PM - 3:30 PM IST, webinar@inpods.com

Achievements:

1. Successfully organized Industry Conclave on “Sustainable Growth for Textile Industry” on September 10, 2016 at Sangam House Bhilwara.
2. Worked as an observer in NEET 2017 Medical Entrance Exam Conducted by CBSE New Delhi at Jaipur Center on May 07, 2017.
3. Worked as an External Examiner to conduct practical examination for MDS University, Ajmer in January-February 2017.
4. Assisted Govt. of Rajasthan as expert member of District level environment expert appraisal committee in various meeting in 2016-17.

Other Professional Responsibilities [at Sangam University]:

1. Chairman of the Board of Studies at School of Basic and Applied Sciences.
2. Successfully conducted Annual Fest La-Union 2017 as Convener of the Event.
3. Worked as a convener of the Discipline Committee 2016-17.
4. Coordinator of the Alumni Connect.
5. M.Sc. Chemistry Coordinator.
6. Convener of Infrastructure Committee.
7. Admission team member.

8. Summer training program coordinator of M.Sc. Chemistry Students.
9. Assistance in Training & Placements.
10. Worked as Center Superintendent in the End Semester Exam in 2016.

Personal Profile

- Marital Status :: Married
- Wife's Name : Dr. Preeti Mehta
- Nationality : Indian
- Linguistic proficiency : English, Hindi
- Date of Birth : 17/01/1976