



Prof. (Dr.) PREETI MEHTA

Dean School of Basic & Applied Science

Director IQAC

Professor, Chemistry

Sangam University, Bhilwara (Rajasthan)

<https://scholar.google.com/citations?user=iAFd0L8AAAAJ>

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OBJECTIVE – To discover new facts and guide students for their successful life through continuous engagement in studies, research work and offering them best possible employment opportunities.

Professional Synopsis

- A result oriented professional with around 18 years of teaching experience in academic field .

Professional Qualification

- **Ph.D.** on Topic “**Photocatalytic Bleaching of Azo Dyes and Effect of Transition Metal Ions**” from M. D. S. University, Ajmer in 2012.
- **M.Sc.** with **66%** marks from M.L.S University, Udaipur.

Educational Qualifications:

- B. Sc. with **74%** marks from M.L.S University, Udaipur.
- XII with **75%** marks from Board of Sec. Education, Ajmer.
- X with **85 %** marks from Board of Sec. Education, Ajmer

Research Supervisor: Guide 5 Research Scholars in the field of Chemistry & Environmental Science

Professional Experience

1. NAAC Coordinator of Sangam University for Ist Cycle, 2020.
University is Accredited with Grade B, Score 2.29.
2. Sangam University, Bhilwara (Raj.); Dean; School of Basic & Applied Sciences, 1st April 2022 to till date.

3. Sangam University, Bhilwara (Raj.): Director IQAC 1st August 2019 -Till date
4. Sangam University, Bhilwara (Raj.); Deputy Dean; School of Basic & Applied Sciences, 1st April 2018 to 31st July 2019.
5. Sangam University, Bhilwara (Raj.); Associate Professor; Department of Chemistry, 1st March 2017.
6. Sangam University, Bhilwara (Raj.); Assistant Professor; Department of Chemistry, 1st August 2013 to 28th February 2017
7. Institute of Technology & Management, Bhilwara; Sr. Lecturer; Department of Chemistry, 09th October 2007 to 31st July 2013
8. Manikya Lal Verma, Textile College, Bhilwara; Lecturer; Department of Chemistry, August 2003 to September 2007 (Guest Faculty)

Other Professional Responsibilities [at Sangam University]:

1. Dean, School of Basic & Applied Science
2. Director, IQAC & Accreditation, Sangam University
3. Deputy Dean, School of Basic & Applied Sciences [1st April 2018 to July 2020 date].
4. SU NAAC Coordinator [Ist Cycle of SU, 2019-20]
5. BOS Chairman of School of Basic & Applied Sciences [2021-22, 2018- July 2020]
6. Member Secretary of Academic Development Committee [2017-18]
7. Member of Research & Grants Committee [2017-18]
8. Sangam University All Clubs In-charge
9. Green & Social Club Coordinator: Conduct number of events and camps for Social and Environmental Awareness.
10. Center Superintendent of End Term Exam 2017-18

Organize National & International Conferences, Seminars, FDP

- *Co Convener of **Annual International Conference:** Coping Change through innovation and value creation for society, 22-23 December 2017, Sangam University, Bhilwara
- Convener of National Conference NCRIAS 18 organized by School of Basic & Applied Sciences

- Co Convener of International Conference on Environmental & Climatic Consequences: Challenges & Mitigation Strategies ICECC 21-22 December 2019
- Convener of National Seminar Recent Advances and Trends in Applied Sciences “, on Natinal Sciences Day 28th Feb-1st March 2020.
- Conducted Webinar on Corona Virus: COVID-19: Past, Present and Future 13th May 2020, School of Basic & Applied Sciences, Sangam University
- Convener of Two Days National Webinar 27-28 May 2021on “Chemical Modeling, Design & Developments for Sustainable life”, Department of Chemsitry, School of Basic & Applied Sciences, Sangam University
- Organized Webinar on “Positive mindset in times of uncertainty” 19th May 2021 for SU Staff & Faculty Members as IQAC Coordinator

As IQAC Coordinator, organized

- One Week Training program for Non Teaching Staff on Skill development, 21-27th June 2021, IQAC Cell & Training and Placement Cell Sangam University
- One week FDP and Faculty induction program on ICT teaching learning tools, 26th July-2nd August 2021
- Industry Academia Meet with T& P Cell: 16 April 2021
- Online NIRF Sensitization Workshop 16th November 2021
- One Week Faculty Development Program 20th -24th December 2021
- Round table discussion on NIRF, AQAR Data Submission: Prof. Harsh Purohit [Basnasthali] & Prof. Deepak Jaroliya [PIMR Indore]: 18 Jan 2022
- Staff Development Program for Non Teaching Staff, 22 March 2022, “Team Sangam We Are #1”
- FDP: Outcome -Based Education & Its Implementations 12th & 13th April 2022, Prof. Ragueveer Singh, [Vice Chancellor, Teerthanker Mahaveer University]

- Session on How to Implement NEP2020 in BOS, Prof. Karunesh Saxena, Vice-Chancellor, Sanfam University, 19 April 2022
- IIRF Ranking data Submission: 13 March 2022, Ranking Released on 5th May 2022, achieve overall 6th Rank in Rajasthan, North Zone: 24, All India: 45
- NIRF Data Submission: 15 Feb 2022
- AISHE Data Submission: 28 Jan 2022

Publications

1. “Photocatalytic degradation of Acid Orange 8 by Titanium Dioxide”
Journal of Indian Council of Chemists Vol. 26, 2009, pp. 158-161.
2. “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.
3. “Heterogeneous photocatalytic treatment of textile dye effluent containing Azo Dye: Direct Crysophenine G”
Der Chemica Sinica, Vol. 2, issue 5, 2011, pp37-46.
4. “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
5. “Treatment of water contaminated by Reactive Red 198 by Photo-Fenton reagent”
Der Chemica Sinica, 2(2), 177-186, 2011.
6. The decolorization and mineralization of azo dye Reactive Yellow 86 in Aqueous solution by Photo-fenton reagent.
Der Pharma Chemica, 3(2), 39-47, 2011.
7. “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
8. “Photodegradation of commercial textile dye Acid Orange 8 by photo-fenton reagent in aqueous medium”

International Journal of Chemical Science. 8(4), 2010, pp. 2418-2426.

9. "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.

10. Impact of Dyeing Industrial Effluent on Physicochemical Parameters of Ground Water Quality of Industrial Area of Bhilwara, Rajasthan, **Jornal Studies in Indian Place Names, ISSN: 2394-3114, Vol-40-Issue-68-March-2020**

11. 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**

12. IMPACT OF COVID-19 LOCKDOWN ON PHYSICOCHEMICAL WATER QUALITY PARAMETERS: TEXTILE CITY BHILWARA, **Int. bilingual peer reviewed research journal, Shodh Sanchar Bulletin, Vol.10, Issue 40, Dec.2020, ISSN- 2229-3620, Approved UGC Care**

13. 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**

14. 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**

15. 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)**

16. 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**

17. 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
18. 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

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

6. Article “Advanced oxidation Process for textile Effluent Treatment: An Ecofriendly Approach ”is published in **EQ:2014-15** of Sangam University.

7. 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 Publication

1. **“Coping Change Through Innovation And Value Addition For Society”** ISBN: 978-93-86724-32-8, Excel India Publication, New Delhi,
2. **E-Book Drinking Water Chemistry- A practical guide** Published on 19 Jan 2022
Reference: US ISBN – 978-1- 957302-18-8, Walnutpublication.com

Invited Speaker/ Panel Advisor:

1. Keynote Speaker in Staff Development Program, “Team Sangam We Are #1” 22 March 2022 ,**Topic: “Gender Sensitization; Workplace Etiquette and Mutual Respect”** Sangam University, Bhilwara
2. Session Chaired in National Seminar on “Impacts of Pandemics on Society: Problems and Innovations” 24-25 Feb 2022, Sangam University, Bhilwara
3. Invited Speaker for Two days online event, **‘International Symposium on Energy Conservation & Solar Energy’** (ISECSE 2020) on 15-16 October 2020, organized by **School of Basic & Applied Sciences, G D Goenka University, Gurugram** in association with BEE, Ministry of Power, Govt of India, HAREDA Govt of Haryana, NISE- MNRE, Govt of India and Indo-German Energy Forum New Delhi.
4. Panel Advisor in **International Conference on Analytical and Interdisciplinary Research [ICAIR 2021]**, 5-6 Feb 2021.
5. **Presented talk** on Green Chemical Technology: AOP: Advance Oxidation Processes, An Eco-friendly Approach for Effluent Treatment in Two Days National Webinar 27-28 May 021“Chemical Modeling, Design & Developments for Sustainable life”

6. Presented invited talk on Advanced Oxidation Processes for waste water treatment: Emerging green chemical technology, in **National Webinar series** on “Chemistry for Society, Environment & Betterment” 19-23 July 2021, Department of Basic & Applied Sciences, GD Goenka University, Gurgaon.

National Seminars/ Conferences/ Training

Attended and Presented research papers

1. Attended **National Seminar on Possibilities of Multidisciplinary Research in Linguistic Literature**, 25-27th April 2022, Sangam University, Bhilwara
2. Attended International virtual conference on **International Conference on Modern Approaches in Sciences & Technology**, 02/ 04/ 2022, School of Engineering & Sciences, GD Goenka University, Gurugram Sohna Road, Gurugram, Haryana, India
3. Attended International virtual conference on **Frontiers in Chemical Sciences (IVCFCS 2021)** organized by Dept. of Chemistry, MLSU Udaipur, 25th June 2021.
4. Attended and presented paper in International conference on **Analytical and Interdisciplinary Research [ICAIR 2021]**, 5-6 Feb 2021. Sangam University, Bhilwara
5. Attended and Presented Research paper in **International Conference on Environmental & Climatic Consequences: Challenges & Mitigation Strategies ICECC** 21-22 December 2019
6. Attended National Seminar on **Recent Multidisciplinary Trends in Chemical Sciences**, Mewar University. 24 August 2018
7. Presented paper in National Conference on **Research & Innovative Trends in Applied Sciences [NCRIAS]** 22-23 December 2018 organized by School of Basic & Applied Sciences
8. **Presented paper in Annual International Conference: Coping Change through innovation and value creation for society**, 22-23 December 2017, Sangam University, Bhilwara

9. Attended **International Conference on Frontiers at the Chemistry: Allied Sciences Interface [FCASI-2017]** Organised by Center of Advanced Study, Dept of Chemistry, University of Rajasthan, Jaipur
10. 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.
11. UGC sponsored National conference on **Modern Trends in Chemical Sciences** at MLS University Udaipur, 30- 31 January 2016.
12. Attended 5 days training program on "**Water Quality Monitoring and Assessment** " at **Central Water Commission** , New Delhi from 23-27 march 2015.
13. **National Conference on 'Recent Trends in Research in Chemical Sciences 2014'** Deptt. Of Chemistry, Manipal University, Jaipur [Raj.]
14. **National Conference on chemical sciences in New Millennium 2012**, Department of chemistry, Pacific University, Udaipur (Raj), 8 Jan. 2012.
15. **1st conference on Novel Developments on Medicinal Chemistry**, Department of chemistry, Mewar University, Chittorgarh (Raj.), 19 april, **2011**.
16. **One day Annual research seminar under model college scheme (UGC0)**, Chemistry Alumini, MLV.Govt. College, Bhilwara (Raj.), 13 March, **2011**.
17. **National conference on Emerging Views in Advanced Chemistry**, Department of Chemistry, M.L.V. Govt. College, Bhilwara (Raj.), 17-19th December, **2010**.
18. **National Seminar on Environmental Challenges**, Chemistry Alumini, M.L.V. Govt. College, Bhilwara (Raj.), 2nd April, **2010**.
19. **28th Annual conference of Indian Council of Chemists**, Department of Chemistry, Hemchandracharya North Gujrat University, Patan (Guj.), 07-10th November, 2009.

20. Attended **National Workshop on Promoting Excellence in Research**” M.D.S. University, Ajmer, 5-7th November, **2008**.
21. **44th Annual Convention of Chemists 2007** , Indian Chemical Society, Kolkata, at Mahatma Gandhi Institute of Applied Sciences, Jaipur (Raj.), Dec 23-27, **2007**.
22. Attended **National Symposium on Recent Trends in Chemistry** (NSRTC-2007), Department of Chemistry, M.P.P.G. College, Chittoregarh (Raj.) 10th 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 NITTTR Kolkota on Problem Based Learning : 20 May-31 May 2019

11. FDP on Ón-line Teaching Pedagogy in Higher Education, 11-14 June2020, Organized by Department of Agriculture and Environmental Science, NIFTEM. Sonipat Haryana
12. National virtual FDP on Recent Trends in Advanced Chemistry, 8-13th June 2020, organized by University of Petroleum and Energy Studied, Dehradun.
13. 21 Days Faculty Development Programme on Online Teaching Platforms and Tools : 1-21 June 2021 Organized by Scrollwell EduTech LLP.
14. Attended One week FDP and Faculty induction program on ICT teaching learning tools, 26th July-2nd August 2021, Sangam University, Bhilwara
15. Attended One Week Faculty Development Program 20th -24th December 2021, Sangam University, Bhilwara
16. Attended FDP: Outcome -Based Education & Its Implementations, 12th & 13th April 2022, Sangam University, Bhilwara

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. Maharana Fateh Singh Award from Maharana Mewar Foundation, Year 1995
2. Ist Position in B.Sc. in B.N.P.G. Girls College, Udaipur, Year 2000
3. Vice President of B.N.P.G. Girls College, Udaipur, Year 2000.
4. Awarded by Lions Club Bhilwara for creating awareness for Social responsibility toward Environment and social issues among students , Women's Day 8th March 2016.
5. Awarded by Dr. S.K. Banerji Memorial Award for Best paper presentation in National conference on Modern Trends in Chemical Sciences at MLSUniversityUdaipur,30-31January2016.
6. On behalf of Sangam University Bhilwara felicitated by Directorate Women and Child development, Bhilwara under Government of Rajasthan for adoption and development activity of Anganwadi Kendra Village Gathilakhera on the occasion of International Women's Day in at Rajiv Gandhi Auditorium Bhilwara, 8 March 2017.
7. Awarded by Best Teacher Award 2017-18 for Academic Excellence, Sangam university.
8. Co Convener of Annual International Conference: Coping Change through innovation and value creation for society,22-23 December 2017, Sangam University, Bhilwara
9. Certificate of Appreciation for Best Result 2017-18.
10. Certificate of appreciation of Best performance as Dy. Dean, School of Basic & Applied Sciences 2018-19.

Personal Profile

- Marital Status :: Married
- Husband's Name : Dr. Rajeev Mehta
- Nationality : Indian.
- Linguistic proficiency : English, Hindi
- Date of Birth : 01/05/1979