

Name of Faculty Member- Dr Ajay Sharma

**Name of Academic Department- Chemistry** 

**Department Room No.- 116** 

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Personal webpage-NA

**Qualifications:** 



Degree	Name & Place of University	Year
Ph.D.	M. L. S. Univ., Udaipur	1992
M.Phil.	Not applicable	
Post Graduate (PG)	J. N. V. University, Jodhpur	1988
<b>Under Graduate (UG)</b>	Sukhadia University, Udaipur	

Areas of Interest/ Specialization- Photochemistry, Solar Desalination/ Analytical Chemistry

**Teaching Experience (Years)-** UG- 32 years & 6 months and PG- 31 years

**Supervision of Awarded Doctoral Thesis (Nos)-12** 

**Under Progress (Nos)-05** 

#### **Awards and Honours-**

- 1. Awarded by District Collector, Sirohi for organizing **Postal Stamp Exhibition** during **Rajasthan Divas Celebration.**
- **2.** Awarded by District Election officer (District Collector) for conducting election work very efficiently.

#### Academic Responsibilities at the College-

Head, PG deptt. Of Chemistry & Officiating Principal of Government College, Reodar



Extra-Curricular Activities- Nodal officer-RUSA, NAAC, IQAC, AISHE, E-Class Incharge, PG online admission and Convener Games (since 1995), Tent & accomodation and Prize & medal purchase committee, N.S.S. (1992-2011), U.G.C. (2014-16), Knowledge Centre (2012-2016), RMoL and Career Grooming Courses, Member- College Development& building maintenance committee, Discipline, Students Union advisory board & Placement cell committees, Student Grievance redressal, College master plan, College property development, NSS advisory, Student Union advisory board, Library, library automation, book bank & Reading room, Model college & centre for excellence, Member of computerization committee of service records of science faculty lecturers. Exam time table & control register checking committee member. Member Statistics register inspection committee of college academic section. at Govt. College, Sirohi.

#### International/National collaboration(select collaboration)-

### Best Peer Reviewed Publications (up to 5)-

- Photocatalytic Reactions of Xylidine Ponceau on Semiconducting Zinc Oxide Powder.
   Ajay Sharma Pratibha Rao, R.P. Mathur and Suresh C. Ameta
   J. of Photochem. & Photobiol., Elsevier, Oxford Univ., London, 86A, 197-200(1995).

   ISSN No: 1010-6030, Impact Factor-2.925
- 2. Use of Zinc Oxide Particulate System as a Photocatalyst: Photobleaching of Orange-G. Ajay Sharma, Rameshwar Ameta, R.P. Mathur and Suresh C. Ameta Hungarian J. of Industrial Chemistry, 23,31-34(1995). ISSN: 0133-0276.

  <a href="http://apps.webofknowledge.com/full\_record.do?product=UA&search\_mode=Genera\_lsearch&qid=8&SID=R1S5Xy7Zq1XBcaZgNBP&page=1&doc=1">http://apps.webofknowledge.com/full\_record.do?product=UA&search\_mode=Genera\_lsearch&qid=8&SID=R1S5Xy7Zq1XBcaZgNBP&page=1&doc=1</a>
- 3. Photocatalytic Reduction of Carbonates and formations of some energy rich systems in presence of Toluidine Blue. S. Jain, J. Vardia, Ajay Sharma, and Suresh C. Ameta International J. of Energy Research, John Wiley Interscience, 25,107-113(2001). ISSN No: 1099-114X, Impact Factor-2.122. <a href="http://onlinelibrary.wiley.com/doi/10.1002/er.664/abstract;jsessionid=0B44E5B2F2C469131C2FE1BB77FBE2BD.f02t01">http://onlinelibrary.wiley.com/doi/10.1002/er.664/abstract;jsessionid=0B44E5B2F2C469131C2FE1BB77FBE2BD.f02t01</a>
- Use of Cadmium Sulphide As Photocatalyst In Solar Desalination Manisha Sindal, Shobha Rastogi, &. Ajay Sharma. Asian J.of Biochemical & Pharma. Research,1(1),33-38,(2011).ISSN No: 2231-2560. GLOBAL IMPACT FACTOR: 0.456,UNIVERSAL IMPACT FACTOR 0.959, SCIENTIFIC JOURNAL IMPACT FACTOR 2.56, http://www.ajbpr.com/issue.php?v=1&i=1
- Persulphate Estimation Using Sodium Nitroprusside by Photochemical Ligand Exchange Reaction Method. Hardik Bhatt, Gayatri Prasad, Vaibhav Bhatt and Ajay Sharma. Sci. Revs. Chem. Commun.3(2),2013,120-127, E- ISSN 2277 2669. <a href="http://www.sadgurupublications.com/JournalPapers.aspx?JournalCategory=4&Year=2013&VolumeNo=3&PartNo=2#">http://www.sadgurupublications.com/JournalPapers.aspx?JournalCategory=4&Year=2013&VolumeNo=3&PartNo=2#</a>

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#### Recent Peer Reviewed Journals/ Books-

#### (A) Dr. Ajay Sharma research papers published during 2015-2021 (10 research papers)

- 1. Synthesis of Ni, Cu, Zn and Pt Metal Complexes with Ligand 3 and 5 Substituted- 2-Hydroxy Acetophenone-2- Pyridinyl Hydrazone .(August15-Oct 15) Suresh pal\*Ajay Sharma, Gayatri Prasad, Shobha Kanwar, Pokarlal Chouhan and R.S. Chauhan. J. of Chemical, Bio. & Phys. Sciences, Section A; 5(4), 4014- 4034, (2015) E-ISSN No.: 2249 -1929. http://www.icbsc.org/issuechem.php?volume=5&issue=4
- 2. Estimation of Metabisulphite using sodium nitroprusside by a newer photochemical method. Ajay Sharma\*, Gayatri Prasad and Kamal Kumar Mistry Proceedings on Recent Trends in Chemical Sciences: Global Opportunities and Challenges" held at the S.G.C. Govt. College, Banswara, Raj., 128-133,(2016). ISBN:978-93-5254-671-8.
- 3. Photocatalytic Bleaching of Bromothymol Blue using Polyoxochromate a Well-Dawson Catalyst. Uma Vyas, Pokar Lal, Jaishree Gurnani, Shailendra Singh Rathore and Ajay Sharma\*. (Accepted-5 April 2016)
  Internal J. of Green and Herbal Chemistry. 5(2), 158-167, (2016). E-ISSN No: 2278-3229. http://www.ijghc.com/faq.php?category=Green%20Chemistry&volume=5&issue=2
- **4.** Synthesis and Spectral Studies of Metal Complexes of Substituted- 2- Hydroxy Acetophenone-2- Pyridinyl Hydrazone. Suresh pal\*, **Ajay Sharma**, Gayatri Prasad, Chetna Kumari Khatri and Kamal Kumar Mistry(Feb16- April-16)

  J. of Chemical, Bio. & Phys. Sciences, Section A; 6(2), 484- 498, (2016).
  - J. 01 Chemical, blo. & Phys. Sciences, Section A, 0(2), 484-498, (2010).
  - E-ISSN No.: 2249 -1929.http://www.jcbsc.org/issuechem.php?volume=6&issue=2
- **5.** Synthesis and Spectral Studies of Metal Complexes of Pyrazine-2-Carboxaldehyde-O-Hydroxyl Benzoyl Hydrazone(HPHBH).Suresh pal\*, **Ajay Sharma**, Gayatri Prasad, Jaishree Gurnani, Santosh, Uma Vyas and R.S. Chauhan. (Accepted-2 April 2016)

  J. of Chemical, Bio. & Phys. Sciences, Section A; 6(2), 499- 509, (2016).
  - E-ISSN No.: 2249 -1929.http://www.jcbsc.org/issuechem.php?volume=6&issue=2
- 6. Photocatalytic Bleaching of Xylidine Ponceau using Well-Dawson Catalyst. Uma Vyas, Chetna Khatri, Shobha Kanwar and **Ajay Sharma\*.**(Accepted-26-02-2016)

  J. Curr. Chem. Pharm. Sc.: 6(1),8-16,2016, ISSN 2277-2871.

  <a href="http://www.sadgurupublications.com/JournalPapers.aspx?JournalCategory=3&Year=2016&VolumeNo=6&PartNo=1">http://www.sadgurupublications.com/JournalPapers.aspx?JournalCategory=3&Year=2016&VolumeNo=6&PartNo=1</a>
- 7. Use of Well- Dawson Catalyst For Photocatalytic Bleaching of congo Red Dye. Uma Vyas, Shobha Kanwar, Gayatri Prasad, Shailendra Singh Rathore and **Ajay Sharma\***. Proceedings on **National Seminar IGTSHE-2016 on April 22, 2016 at Jaipur.** <a href="https://mail.google.com/mail/u/0/#search/poornima+igtshe/153c7a7f59233427?projector=1">https://mail.google.com/mail/u/0/#search/poornima+igtshe/153c7a7f59233427?projector=1</a>
- 8. Photodegradation Study of Evan's blue in Presence of Strontium Chromate. Monika Jangid, Suresh C. Ameta and **Ajay Sharma\*** (Accepted- 4 Sept. 2018)

  Journal of Applicable Chemistry, 7 (5): 1291-1299, 2018, ISSN: 2278-1862.

  <a href="http://www.joac.info/ContentPaper/2018/26-7-5-48-20.pdf">http://www.joac.info/ContentPaper/2018/26-7-5-48-20.pdf</a>
- 9. Photocatalytic Degradation of Ciprofloxacin Hydrochloride using Carbon-doped Titanium dioxide. Shobha Kanwar, Rakshit Ameta, Suresh C. Ameta and Ajay Sharma. Journal of Applicable Chemistry, 8 (1):187-194, 2019, ISSN: 2278-1862. <a href="http://www.joac.info/JournalPapers.aspx?Year=2019&VolumeNo=8&PartNo=1&type=CURRE">http://www.joac.info/JournalPapers.aspx?Year=2019&VolumeNo=8&PartNo=1&type=CURRE</a> NT% 20ISSUE (Accepted- 10 Jan. 2019)
- 10. Use of Strontium Chromate as Photocatalyst for Degradation of Azure-A

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Monika Jangid, Rakshit Ameta, Suresh C. Ameta and Ajay Sharma

International Journal of Contemporary Research and Review, 9(3), 20181-20187

ISSN 0976 –4852, Impact Factor-2.60 (Accepted-27 Feb. 2018)

<a href="https://doi.org/10.15520/ijcrr/2018/9/03/457">https://doi.org/10.15520/ijcrr/2018/9/03/457</a>

#### (B) Dr. Ajay Sharma Books published during 2015-2021 for NAAC (03 books)

- 1. Inorganic Chemistry for B.Sc. I yr. (According to M.L.S.U. Udaipur Syllabus), (English version)
  - Himanshu Publications, Udaipur & Delhi. Published in 2020. ISBN: 978-81-7906-812-0.
- **2.** Inorganic Chemistry for B.Sc. II yr. (According to M.L.S.U. Udaipur Syllabus), (English version)
  - Himanshu Publications, Udaipur & Delhi. Published in 2019. ISBN: 978-81-7906-813-7.
- **3.** Inorganic Chemistry for B.Sc. III yr. (According to M.L.S.U. Udaipur Syllabus), (English version)
  - Himanshu Publications, Udaipur & Delhi. Published in 2020. ISBN: 978-81-7906-814-4.

#### Patent (if any)- Nil

#### Research Projects(Minor/Major/any other)-

Sr.	Title of the Project	Year	Funding	Duration
No			Agency	
1.	Photocatalytic reactions of	University Grant	Rs. 25000/-	2 years
	some dyes on semiconductors	Commission, Bhopal		
2.	Physicochemical study of	University Grant	Rs. 3,83,500/-	3 Years
	Groundwater of Sirohi District.	Commission, New Delhi		

# **Conferences/Seminars/Workshops- (in Last Two Years)**

#### **National & International Seminars-**

#### A- International- 01

(1) Presented a Research paper at International Conference on "Mankind at Crossroads: Challenges and Solutions" organized by Govt. Bangur College PG college, Pali in association with Ministry of Law and Justice, Govt. of India from 17- 18<sup>th</sup> January, 2019.

#### **B- National- 05**

- (1) Presented a Poster and acted as JUDGE at National Conference on "Green Chemistry for Clean Environment" in association with RSC (Royal Society of Chemistry, London, North India Section) and Green Chemistry Network Centre, Delhi organized by Department of Chemistry, J.R.N. Rajasthan Vidyapeeth, Udaipur on 27, July, 2019.
- (2) Delivered a lecture on topic "CFSE" and acted as Chairman of a session in National Workshop and Conference on "Green Chemistry and the CSTT: A need of the day" in association with CSTT, MHRD, Dept. of higher education held at Pacific Academy of Higher Education and Research Univ. (PAHER), Udaipur from 03-11-2019 to 04-11-2019.



- (3) Presented a Invited lecture, Poster and acted as referee and adjudicator at National Conference on "A Step towards Sustainable Environment" held at Pacific Academy of Higher Education and Research University (PAHER), Udaipur on 05-11-2019.
- (4) Made Oral presentation and acted as Judge at National Conference on "New Imperatives in Drug Design and Discovery" held at Uka Tarsadia University, Bardoli, Surat in association with ISCB, Lucknow and NAS(Mumbai chapter) from 22-11-2019 to 23-11-2019.
- (5) Made Oral presentation at "National Conference of Advances in Modern Science-2020(NCAMS-2020)" held at Om College of Science, Junagarh in association with Department of Chemistry and Forensic Science, BKNMU and sponsored by DST & CUJCOST, Gujarat on 18-01-2020.
- (6) Participated in online **National Seminar** on "Intellectual property rights(**IPR**) in Indian context and its present relevance" held on 8<sup>th</sup> **September 2020**, organized by Department of PG studies & IQAC cell, **Pacific University(PAHER)**, **Udaipur**.

#### 1. Workshop cum Trainings attended- 10(in Last Two Years)

- 1. Attended NAAC Awareness workshop organized by IQAC, University of Rajasthan in association with NAAC on 16, July, 2019.
- 2. Attended and Delivered a invited lecture ön topic "Chemistry of Water" at Tier-III training programme on "Ground water related & ground water Management Issues" organized by Ministry of Jal Shakti, Department of water resources, River Development and Ganga Rejuvenation, Government of India in association with Central Ground Water Board, Western Region, Jaipur and Rajeev Gandhi National Ground Water Training & Research Institute on 28, September, 2019.
- 3. Attended 04 days meeting from 14-10-2019 to 17-10-2019 as an Expert for making of Chemistry Definitions dictionary organized by Government of India, Commission for Scientific & Technical Terminology, Ministry of HRD, R K Puram, New Delhi.
- 4. Attended PFMS Training under RUSA on 21-10-2019 at Gujarat Forensic Science University, Sector-9, Gandhi Nagar, Gujarat organized by RUSA, State Project Unit, Government of Rajasthan.
- 5. Delivered a lecture on topic "Nav-Grih Vatikaye" and acted as Chairman of a session in State Level Workshop on "Science and Technology" under National Invention Plan held at Mahatma Gandhi Government School, Old Building, Sirohi from 24-01-2020 to 25-01-2020.
- 6. Attended 05 days meeting from 10-02-2020 to 14-02-2020 as an Expert for making of Chemistry Definitions dictionary organized by Government of India, Commission for Scientific & Technical Terminology, Ministry of HRD, R K Puram, New Delhi.
- 7. Participated in the Online Training Programme on "Right to Information Act 2005" on 16-June-2020 organized by Government of Rajasthan HCMRIPA, UDAIPUR,
- 8. Participated in Two Days Online National Workshop entitled "Online Teaching-Learning using LMS - MOODLE" jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan

- Mohan Malaviya National Mission on Teachers and Teaching (**PMMNMTT**) of MHRD and Deptt. of College Education, Govt. of Rajasthan under Innovation & Skill Development Programmes from **24 to 25 July 2020**.
- 9. Participated in the State Level Workshop cum Training Programme titled "E-Content: Development and Delivery", organized by Deptt. of College Education, Govt. of Rajasthan and Government College, Bundi on 10th & 11th August 2020.
- 10. Participated in the Online International Workshop titled "Research Design", organized by Deptt. of Geography, Govt. College, Bundi from 24 to 25<sup>th</sup> August 2020.

### 7. Faculty Development Programmes- 03(in Last Two Years)

- 1. Participated in the Three Days Faculty Development Programme (FDP) on "Recent Trends in Technology and Teaching Learning Methodology" conducted by the Department of computer science & IT in association with Indian Society of Technical Education, SAGE University Indore, from 9<sup>th</sup> to 11<sup>th</sup> July, 2020.
- 2. Attended FDP on Virtual Platforms for Teaching and Learning training programme organized by Indian Institute of Information Technology, Kota from 27-28 Aug., 2020.
- **3.** Participated in GYAN GANGA 5 day State Level First online Workshop cum Training Program (FDP) entitled "Initiative for Teaching-Learning excellence in Chemistry" from 7 to 11 September, 2020 jointly organized by Directorate college education, Rajasthan Jaipur and Government Dungar College, Bikaner.

# 8. Webinars attended- 20(in Last Two Years)

- Participated in the AISNP Webinar Lecture Series on the topic of "Role of Phytomedicines for Management of COVID-19 and becoming Ready for New Normal" delivered by Dr. Tanuja Manoj Nesari, Director, All India Institute of Ayurveda and CEO, National Medicinal Plant Board, held on 27 May, 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida
- 2. Participated in **International Webinar** on Role of Science & Technology for Developing Self-Dependent India jointly organized by Deptt. of Chemistry Janardan Rai Nagar Rajasthan Vidyapeeth (Deemed to be University), Udaipur & Indian Chemical Society, Kolkata (W.B.) on **June 3, 2020.**
- 3. Participated in the **International Webinar** on "Time For Nature" held on **5th June**, **2020** The World Environment Day organized by Department of Geography Government **Lohia College Churu**, Rajasthan.
- Participated in the National Webinar on "Introduction of iOS mobile application, development, challenges & opportunities of Covid-19 pandemic" organized by International school of informatics & management technical campus, Jaipur on 6<sup>th</sup> June, 2020.
- 5. Participated in the **International Virtual Seminar** on "Impact Assessment of COVID-19 on Global Tourism" on **10th June, 2020** organized by Knimbus group.

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- 6. Participated in the AISNP Webinar Lecture Series on the topic of "Fun of Playing around NMR Spectroscopy" delivered by Dr. Diwan S Rawat, Professor, Department of Chemistry, University of Delhi, India, held on 13 June, 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida.
- 7. Participated in the **AISNP Webinar Lecture Series** on the topic of "Why Antimicrobial Stewardship" delivered by Dr. Jan Nouwen, Internist-Infectious Diseases Specialist, Coordinator Research Master Education, Program Director Research Master Infection & Immunity, Coordinator Global Health Education, Erasmus MC University Medical Center Rotterdam, The Netherlands, held on **16 June, 2020**, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, **Amity University Uttar Pradesh, Noida** (INDIA).
- 8. Participated in the AISNP Webinar Lecture Series on the topic of "How to play with NMR spectroscopy for Small to Large Molecule" delivered by Dr. B. S. Joshi, Senior Manager, BBIO MRS Division, Bruker India Scientific India Pvt. Ltd, held on 20 June, 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University, Noida(UP).
- 9. Participated in the AISNP Webinar Lecture Series on the topic of "Cocrystallization Approach to Increase Drug Solubility" delivered by Dr. Syed A. A. Rizvi, Associate Professor of Pharmaceutical Sciences at Nova South-eastern University, Fort Lauderdale, Florida, held on 24 June, 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida
- 10. Participated in **International webinar** on the topic: "Introduction to E-learning and it's challenges" Conducted by The Department of Corporate Secretaryship (Shift-II), **Patrician College of Arts & Science, Adyar, Chennai-20** on **28/06/2020**.
- 11. Participated in **International webinar** on the topic: "Recent Innovations in Chemical Sciences" Conducted by The Department of Chemistry, **AKS Univ. Satna(M.P.)**, in association with Govt. College, Chunar, Mirzapur, (U.P.) from 18<sup>th</sup> to 20<sup>th</sup> July, 2020.
- 12. Participated in the AISNP Webinar Lecture Series on the topic of "Advancing Scientific Research for Future Healthcare: Special Emphasis on Gene Therapy" delivered by Dr. Rohidas Arote, Associate Professor, Department of Molecular Genetics School of Dentistry, Seoul National University, Republic of Korea, held on 21 July, 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida
- 13. Participated in the AISNP Webinar Lecture Series on the topic of "Phytochemistry by design" delivered by Dr. Valdir Florêncio da Veiga Junior, Associate Professor of Chemical Engineering in Military Institute of Engineering, Brasil, held on 19 August, 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida.



- 14. Participated in the **AISNP Webinar** Lecture Series on the topic of "**Odor and Taste The Chemical Senses**" delivered by Dr. Michael Zviely, Flavours, Fragrances Strategy & Technology Planning, CIC Group, Haifa (Israel), Chennai (India), Okayama (Japan), held on **07 September 2020**, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, **Amity University Uttar Pradesh, Noida** (INDIA).
- 15. Participated in the One Day National Level **Webinar** on "Recent Trends and Developments in Chemistry" conducted by the Department of Chemistry, Kalna College, with support from the IQAC, Kalna College, PURBA BARDHAMAN, WEST BENGAL on **10th September**, **2020**.
- 16. Participated in the AISNP Webinar Lecture Series on the topic of "Protective Effect of Plantago Species against Liver Steatosis" delivered by Dr. Eugenia R. Gatiatulina, Lead Researcher, All-Russian Scientific Research Institute of Medicinal and Aromatic Plants, Moscow, Russia, held on 15 September 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida (INDIA).
- 17. Participated in **Webinar Lecture** Series on **National Education Policy** held on **20 September 2020**, organized by NSS, Bangbasi morning college, **Kolkata.**
- 18. Participated in the AISNP **Webinar Lecture** Series on the topic of "Reaxys: A Complete Workflow Solution for Researchers" delivered by Dr. Mandar Bodas, Solution Consultant, Research Solutions Life Sciences, **ELSEVIER**, held on **21 September 2020**, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, **Amity University** Uttar Pradesh, Noida.

#### Other Relevant information's-

- PUBLICATIONS: 1. Papers -3 international papers with more than 2 impact factor, Paper in referred Journals: Total 42 papers Published: 05 in international & 37 in national journals. 2. Books- 17 Text Books and 01 Chapter titled "Eco-friendly Targets" in International Book Entitled "Green Chemistry: Fundamentals & Application" Published by Apple academic Press, Canada,
- □ <u>RESEARCH GUIDEANCE</u>: Successfully guided 12 students for Ph. D. and 04 students are doing research under my supervision.
- □ <u>PRESENTATIONS</u>: Presented Paper/Poster in 58 International/national conferences, seminars/workshops/Symposia; <u>Full papers in national seminars & conferences</u>: 04: Invited Lecture-10, Chaired a session-09.
- □ <u>NATIONAL AWARDS</u>: <u>DST sponsored FIST programme(grant of Rs 39.6 Lacs)</u> and <u>UGC-Major project awarded from New Delhi, UGC-Minor project awarded from CRO, Bhopal.</u>
- □ **PROFESSIONAL AFFILIATIONS**: LIFE MEMBER- Indian Chemical Society, KolkattaF/5177 (LM) 1999; Indian council of Chemists LF/539 (LM 1999), Life Member, Society for Materials Chemistry, BARC, Mumbai. Membership No. LM-931 (2016).
- □ **EDUCATION**: Bachelors: 1st Div., 60.59%, **1986**, M.L.S. Univ., Udaipur, Masters:

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- Fourth in Merit 1st Div. 71.55%, 1988, Univ. of Jodhpur, Jodhpur, Doctorate: Deptt. of Chemistry, M.L.S. Univ., Udaipur, Supervisor: Prof. R.P. Mathur, 1992.
- □ TEACHING: Chemistry teaching experience- UG level-32 Yrs & 6 months PG level-31 Yrs. & 06 months Paper setter and Evaluator for RPSC, Ajmer & several other universities of Rajasthan. Chemistry subject Expert For Rajasthan Public Service commission(RPSC), Ajmer(Raj.), Expert ID- RE00025692
- □ **REVIEWER**: Reviewed research papers for international (Inorganic chemistry communications (INCHOE), ELSEVIER, Amsterdam), Journal of Chromatographic Science (JCS), Oxford University Press, New York & 07 national journals.
- □ <u>MEMBER, EDITORIAL BOARD</u>- Asian J. of Biochemical and Pharma. Research, J. of Chemical, Biological & Physical Sciences, International J. of Chemical Sciences.

  International J. of Green and Herbal Chemistry, J. of Environ. Science, Computer Science and Engineering & Technology. Member of Chemistry Draft Preparing Committee.
- □ **AREAS OF SPECIALIZATION**: Analytical Chemistry, Photochemistry, Desalination, Polymer Chemistry.
- □ **PROFESSIONAL TRAININGS**: 6 UGC COURSES & 2 DST TRAINING PROG, 03 NSSProgramme Officer's Training, Computer Training.
- CO-CURRICULAR ACTIVITIES: Convener-RUSA, NAAC, AISHE, IQAC, sports and games deptt., Incharge NSS from 1993 to 2010, Convener of Knowledge centre, Career grooming course sponsored by RSLDC, Co-coordinator of Remedial coaching classes of U.G.C during XI plan, Co- Convener UGC, Purchase, College Development committee and member of 12 important committees.
- OTHER AWARDS: Awarded by District Collector, Sirohi for organizing Postal Stamp Exhibition during Rajasthan Divas Celebration, College T.T. Team both at Sukhadia & J.N.V. University, Winner of 53rd Sirohi District Table Tennis Senior Championship, Winner of M.L.S. University, Udaipur Teachers Table Tennis Tournament twice.
- UGC-API: More than 800 points