



CURRICULUM VITAE

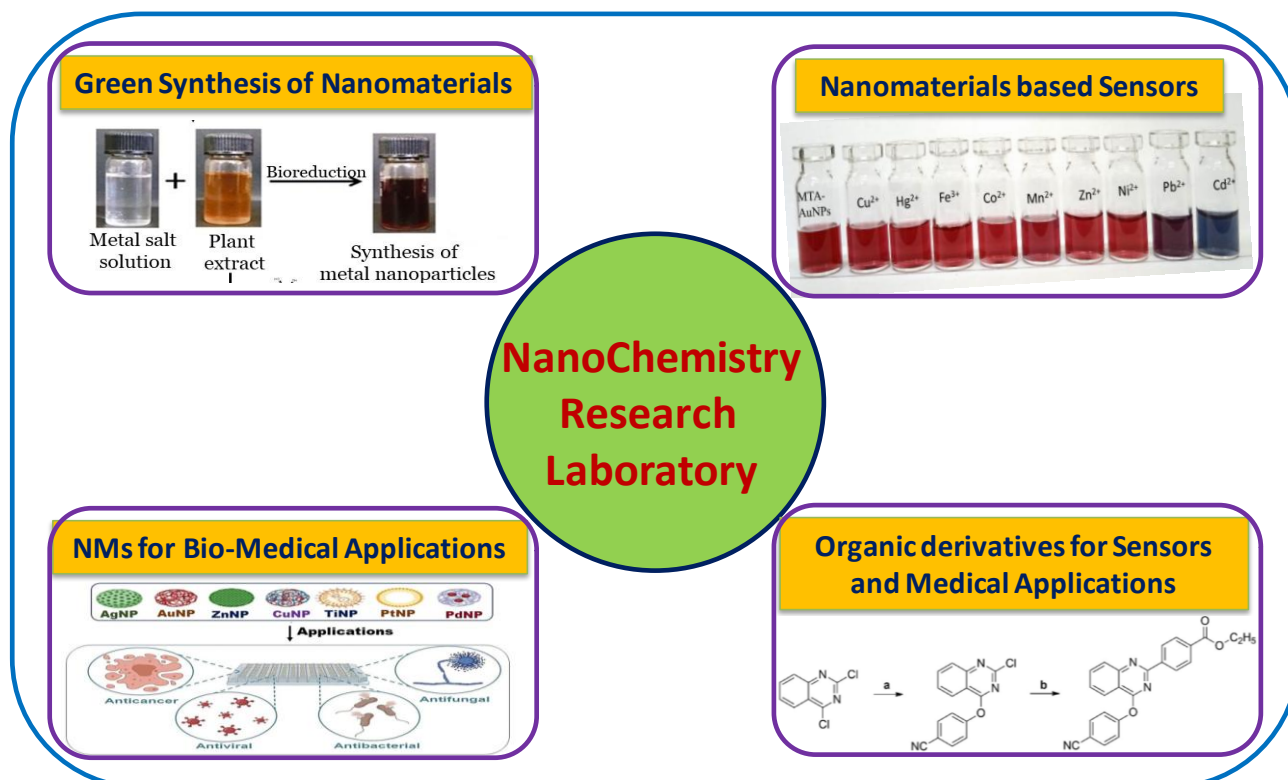
As on April 2023

1. Affiliation and Contact Information:

	<p>Dr. Jigneshkumar V. Rohit Assistant Professor Department of Chemistry, National Institute of Technology (NIT) Srinagar, Srinagar-190006, J&K, INDIA Email: jignesh@nitsri.ac.in Phone: +91-9909500225 Website: https://www.nitsri.ac.in/Pages/FacultyProfile.aspx?nEmpID=egc&nDeptID=s</p>	
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2. Research Interests:

My research group focuses on applications of nanomaterials in medical and agriculture fields. We are working on developing simple methodologies for preparation of nanomaterials, tuning their properties and their applications in medical and agriculture sciences. Our major research areas includes (1) Development of simple analytical techniques to detect of pesticides, heavy metals and veterinary drugs in water, soil and food samples *via* nanomaterials based simple, selective and cost effective sensors and (2) Development of green synthesis methods for preparation of nanomaterials by using natural sources and their application in medical field including antimicrobial and anticancer efficiency, disease diagnosis (cellular imaging), drug delivery and therapeutics. Simultaneously, we are working on synthesis and modification of organic molecules (calixarene, cyclen, indole, quinoline etc) for their applications as functionalizing agents in nanomaterials based sensors and as effective antimicrobial agents. Also, we are focusing on proving environment friendly solutions for nanomaterials synthesis by modifying synthesis routes *via* avoiding/minimizing use of hazardous chemicals.



3. Educational Qualifications:

Degree	Year	Subject	University/Institute
Ph. D	2017	Chemistry Thesis Title: “Molecular Assembly of Dithiocarbamate Derivatives on Metal (Ag and Au) Nanoparticles for Colorimetric Detection of Pesticides” Research Supervisor: Dr. Suresh Kumar Kailasa	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, INDIA
M. Sc	2011	Organic Chemistry	Sardar Patel University (SPU), Anand, Gujarat, INDIA
B. Sc	2009	Chemistry	Veer Narmad South Gujarat University, Surat, Gujarat, INDIA

4. Awards and Honors:

1. Received a scholarship from Elsevier Publication and TEQIP-II (SVNIT) to present his research work at “International Conference on Optical Chemical Sensors and Biosensors” held at Graz University of Technology, **Austria (EUROPE)** during 20th-23rd March 2016.
2. Received **Best Key Note Speaker Award** at International Summit and Conference on Material Science Nanotechnology & Bio Manufacturing Organized by Institut Kemahiran Tinggi Belia Negara, Sepang (Selangor), **Malaysia** during 25th -28th May 2021.

5. Professional Experience:

Position	Period	Institution	Nature of work
Assistant Professor	30-10-2018 – Present	National Institute of Technology (NIT), Srinagar, J&K, INDIA	Teaching and Research
Assistant Professor	03-06-2017 – 27-10-2018	Shrimad Rajchandra Vidyapeeth, Dharampur, Affiliated to Veer Narmad South Gujarat University, Surat, INDIA	Teaching and Research
Project Research Fellow	10-10-2011 – 31-12-2013	Research Project Sponsored by DST, New Delhi under supervision of Dr. Suresh Kumar Kailasa at SVNIT, Surat, INDIA	Research on Sponsored Project
Junior Executive	30-06-2011 – 08-10-2011	Atul Limited, Valsad, Gujarat, INDIA	Supervision of Dyes Manufacturing Unit

6. Administrative Experience

Position	Period	Institution	Nature of work
Coordinator (B.Tech 1 st Year)	24-11-2021 – Present	Department of Chemistry, National Institute of Technology (NIT), Srinagar, J&K, INDIA	Handling examination and all other activities of B.Tech 1 st Year at Departmental level
In-Charge Time Table	04-03-2020 – Present	Department of Chemistry, National Institute of Technology (NIT), Srinagar, J&K, INDIA	Managing time tables of M.Sc and B.Tech at Departmental level
Member Research Committee	04-03-2020 – Present	Department of Chemistry, National Institute of Technology (NIT), Srinagar, J&K, INDIA	Observing and Managing Research activities at Departmental level
Member NIRF Ranking Committee	27-09-2021 – Present	National Institute of Technology (NIT), Srinagar, J&K, INDIA	Activities to secure good NIRF rank for Institute

7. Research Work Details:

7.1 Publication Details (Appendix – I & II)

International Journal Research and Review Paper Publications	19
Book chapters Publication	10
Total citations (as on April 2023): 772, h index: 16, i10 index: 17 https://scholar.google.com/citations?hl=en&user=KR2raPYAAAAJ	

7.2 Research Guidance (Appendix – III & IV)

Ph. D (completed)	-
Ph. D (ongoing)	05
M. Sc (completed)	02
M. Sc (ongoing)	02

7.3 Sponsored Research Projects (Appendix – V)

Sponsored Research Project (completed)	-
Sponsored Research Project (ongoing)	01

7.1 Appendix-I (List of Research Paper Publications)

1. Humairah Tabasum, Basharat A. Bhat, Bashir A. Sheikh, Vaibhavkumar N. Mehta, **Jigneshkumar V. Rohit***, Emerging perspectives of plant-derived nanoparticles as effective antimicrobial agents, Inorganic Chemistry Communications 145 (2022) 110015. (IF: 3.428)
2. Vaibhavkumar N. Mehta, Nirav Ghinaiya, **Jigneshkumar V. Rohit**, Rakesh Kumar Singhal, Hirakendu Basu, Suresh Kumar Kailasa*, Ligand chemistry of gold, silver and copper nanoparticles for visual read-out assay of pesticides: A review, Trends in Analytical Chemistry 153 (2022) 116607. (IF: 14.908)
3. Amit B. Patel*, **Jignesh V. Rohit**, Development of 1,3,4-thiadiazole and piperazine fused hybrid quinazoline derivatives as dynamic antimycobacterial agents, Polycyclic Aromatic Compounds 42 (2022) 5991-6002 (IF: 2.195)
4. Rajat Singh, Preeti Thakur, Atul Thakur, Harish Kumar, Prince Chawla, **Jigneshkumar V. Rohit**, Ravinder Kaushik, Naveen Kumar*, Colorimetric sensing approaches of surfacemodified gold and silver nanoparticles for detection of residual pesticides: a review, International Journal of Environmental Analytical Chemistry 101 (2021) 3006-3022. (IF:2.731)
5. Mehul R. Kateshiya, Gincy George, **Jigneshkumar V. Rohit**, Naved I. Malek, Suresh Kumar Kailasa*, Ractopamine as a novel reagent for the fabrication of gold nanoparticles:Colorimetric sensing of cysteine and Hg²⁺ ion with different spectral characteristics, Microchemical Journal 158 (2020) 105212. (IF: 5.304)
6. Kiran Rana, Jigna R. Bhamore, **Jigneshkumar V. Rohit**, Tae-Jung Park, Suresh Kumar Kailasa*, Ligand exchange reactions on citrate-gold nanoparticles for parallel colorimetric assay of six pesticides, New Journal of Chemistry 42 (2018) 9080-9090. (IF: 3.925)
7. **Jigneshkumar V. Rohit** and Suresh Kumar Kailasa*, Simple and selective detection of pendimethalin herbicide in water and food samples based on the aggregation of ractopamine-dithiocarbamate functionalized gold nanoparticles, Sensors and Actuators B: Chemical 245 (2017) 541-550.(IF: 9.221)
8. Suresh Kumar Kailasa* and **Jigneshkumar V. Rohit**, Multifunctional groups of dithiocarbamate derivative assembly on gold nanoparticles for competitive detection of diafenthiuron, Sensors and Actuators B: Chemical 244 (2017) 796-805. (IF: 9.221)

9. Suresh Kumar Kailasa* and **Jigneshkumar V. Rohit**, Tuning of gold nanoparticles analytical applications with nitro and hydroxy benzylindole-dithiocarbamates for simple and selective detection of terbufos and thiacloprid insecticides in environmental samples, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 515 (2017) 50-61. **(IF: 5.518)**
10. **Jigneshkumar V. Rohit**, Rakesh Kumar Singhal, and Suresh Kumar Kailasa*, Dithiocarbamate-calix[4]arene functionalized gold nanoparticles as a selective and sensitive colorimetric probe for assay of metsulfuron-methyl herbicide via non-covalent interactions, *Sensors and Actuators B: Chemical* 237 (2016) 1044-1055. **(IF: 9.221)**
11. **Jigneshkumar V. Rohit**, Hirakendu Basu, Rakesh Kumar Singhal, and Suresh Kumar Kailasa*, Development of p-nitroaniline dithiocarbamate capped gold nanoparticles-based microvolume UV-visible spectrometric method for facile and selective detection of quinalphos insecticide in environmental samples, *Sensors and Actuators B: Chemical* 237 (2016) 826-835. **(IF: 9.221)**
12. Karuna A. Rawat, Rutuben P. Majithiya, **Jigneshkumar V. Rohit**, Hirakendu Basu, Rakesh Kumar Singhal, and Suresh Kumar Kailasa*, Mg²⁺ ion as a tuner for colorimetric sensing of glyphosate with improved sensitivity via the aggregation of 2-mercapto-5-nitrobenzimidazole capped silver nanoparticles, *RSC Advances* 6 (2016) 47741-47752. **(IF: 4.036)**
13. Vaibhavkumar N. Mehta, **Jigneshkumar V. Rohit** and Suresh Kumar Kailasa*, Functionalization of silver nanoparticles with 5-sulfoanthranilic acid dithiocarbamate for selective colorimetric detection of Mn²⁺ and Cd²⁺ ions, *New Journal of Chemistry* 40 (2016) 4566-4574. **(IF: 3.925)**
14. Gaurang M. Patel, **Jigneshkumar V. Rohit**, Rakesh Kumar Singhal and Suresh Kumar Kailasa*, Recognition of carbendazim fungicide in environmental samples by using 4-aminobenzenethiol functionalized silver nanoparticles as a colorimetric sensor, *Sensors and Actuators B: Chemical* 206 (2015) 684-691. **(IF: 9.221)**
15. **Jigneshkumar V. Rohit** and Suresh Kumar Kailasa*, Cyclen dithiocarbamate functionalized silver nanoparticles as colorimetric probes for sensing of thiram and paraquat pesticides via host-guest chemistry, *Journal of Nanoparticle Research* 16 (2014) 2585-2600. **(IF: 2.533)**
16. **Jigneshkumar V. Rohit**, Jignasa N. Solanki and Suresh Kumar Kailasa*, Surface modification of silver nanoparticles with dopamine dithiocarbamate for selective colorimetric sensing of mancozeb in environmental samples, *Sensors and Actuators B: Chemical* 200 (2014) 219-226. **(IF: 9.221)**
17. Sweta K. Laliwala, Vaibhavkumar N. Mehta, **Jigneshkumar V. Rohit** and Suresh Kumar Kailasa*, Citrate-modified silver nanoparticles as a colorimetric probe for simultaneous detection of four triptan-family drugs, *Sensors and Actuators B: Chemical* 197 (2014) 254-263. **(IF: 9.221)**
18. **Jigneshkumar V. Rohit** and Suresh Kumar Kailasa*, 5-Sulfo anthranilic acid dithiocarbamate functionalized silver nanoparticles as a colorimetric probe for the simple and selective detection of tricyclazole fungicide in rice samples, *Analytical Methods* 6 (2014) 5934-5941. **(IF: 3.523)**
19. Nishith P. Gandhi, **Jigneshkumar V. Rohit**, Mungara Anil Kumar and Suresh Kumar Kailasa*, 4-Mercaptophenylacetic acid functionalized Mn²⁺-doped ZnS nanoparticles fluorescence quenching caused by the addition of Cu²⁺, *Research on Chemical Intermediates* 39 (2013) 3631-3639. **(IF: 3.134)**

7.1 Appendix-II (List of Book Chapter Publications)

1. Vaibhavkumar N. Mehta*, Juhi B. Raval, Suresh Kumar Kailasa, **Jigneshkumar V. Rohit**, **Book: Functionalized Carbon Nanomaterials for Theranostic Applications** (ISBN: 9780128243664), Chapter-3: Application of functionalized carbon nanomaterials in therapeutic formulations, **Elsevier Publication**, 55-74, 2023.

2. **Jigneshkumar V. Rohit***, Vaibhavkumar N. Mehta, Amit B. Patel, Humairah Tabasum, Gourav Spolia, **Book:** Carbon Dots in Analytical Chemistry: Detection and Imaging (ISBN: 9780323983501), Chapter-9: Carbon dots-based fluorescence spectrometry for pesticides sensing, **Elsevier Publication**, 97-108, 2022.
3. Pranjal D. Modi*, Vaibhavkumar N. Mehta*, Vimalkumar S. Prajapati, Swati Patel, **Jigneshkumar V. Rohit**, **Book:** Carbon Dots in Analytical Chemistry: Detection and Imaging (ISBN: 9780323983501), Chapter-2: Bottom-up approaches for the preparation of carbon dots, **Elsevier Publication**, 15-29, 2022.
4. **Jigneshkumar V. Rohit***, Vaibhavkumar N. Mehta, **Book:** Liquid and Crystal Nanomaterials for Water Pollutants Remediation (ISBN: 9780367549879), Chapter-12: Liquid and Crystal Nanomaterials for Water Remediation: Synthesis, Application and Environmental Fate, **CRC Press**, 289-308, 2022.
5. **Jigneshkumar V. Rohit***, Vaibhavkumar N. Mehta, **Book:** Miniaturized Analytical Devices: Materials and Technology (ISBN: 9783527347582), Chapter-10: Microvolume UV – Visible Spectrometry for Assaying of Pesticides, **WILEY-VCH Publication**, 197-217, 2021.
6. Vaibhavkumar N. Mehta*, Vimalkumar S. Prajapati, **Jigneshkumar V. Rohit**, **Book:** Miniaturized Analytical Devices: Materials and Technology (ISBN: 9783527347582), Chapter-3: Miniaturized Analytical Technology in Agriculture, **WILEY-VCH Publication**, 49-70, 2021.
7. Suresh K. Kailasa*, Vaibhavkumar N. Mehta, **Jigneshkumar V. Rohit**, **Book:** Miniaturized Analytical Devices: Materials and Technology (ISBN: 9783527347582), Chapter-1: Miniaturized Capillary Electrophoresis for the Separation and Identification of Biomolecules, **WILEY-VCH Publication**, 01-19, 2021.
8. Suresh Kumar Kailasa*, Tae-Jung Park, **Jigneshkumar V. Rohit**, Janardhan Reddy Koduru, **Book:** Nanoparticles in Pharmacotherapy (ISBN: 9780128165041), Chapter - 14: Antimicrobial activity of silver nanoparticles, **Elsevier Publication**, 461-484, 2019.
9. Suresh Kumar Kailasa*, **Jigneshkumar V. Rohit**, Rakesh Kumar Singhal, **Book:** Nanobiosensors (ISBN-9780128043011), Chapter 16: Plasmonic nanoparticles and quantum dots in the identification of inorganic and organic contaminants in food samples, **Elsevier Publication**, 677-711, 2016.
10. Suresh Kumar Kailasa, Hui-Fen Wu* and **Jigneshkumar V. Rohit**, **Book:** Graphene Science Handbook: Applications and Industrialization (ISBN-9781466591332), Chapter 9: Graphene-Based Laser Desorption/ Ionization Mass Spectrometry for Bioanalytical Applications, **CRC Press**, 105-124, 2016.
11. Suresh Kumar Kailasa, **Jigneshkumar V. Rohit**, Hui-Fen Wu*, **Book:** Planar Chromatography - Mass Spectrometry (ISBN-9781498705882), Chapter 15: Combination of Thin-Layer Chromatography with Laser Desorption Ionization- and Electrospray Ionization- Mass Spectrometric Techniques for Screening of Organic Compounds, **CRC Press**, 251-275, 2015.

7.2 Appendix-III (Ph. D Students Guidance, Ongoing)

Sr. No.	Name of Student	Admission No.	Admission Year	Title of Thesis	Co-Supervisor (If any)
1.	Shahida Rashid Reshi	2022PHACHM008	2022	New Admission	-
2.	Imtiyaz Ahmad Lone	2022PHACHM012	2022	New Admission	-
3.	Mohsina Mushtaq	2022PHACHM014	2022	New Admission	-
4.	Rameez Ahmad Kumar	2022PHACHM015	2022	New Admission	Prof. J. A. Banday
5.	Pawan Kumar	2022PHACHM017	2022	New Admission	Prof. Tabassum Ara

7.2 Appendix-IV (M. Sc Students Guidance, Ongoing-Completed)

Sr. No.	Name of Student	Admission No.	Completion Year	Title of Thesis
1.	Pooja Saini	2021MSCHM014	Ongoing	-
2.	Kizafa Aftab	2021MSCHM025	Ongoing	-
3.	Gourav Spolia	2020MSCHM012	2022	2-Mercapto-4-methyl-5-thiazoleacetic acid Functionalised Gold nanoparticles as Optical Sensor for selective detection of Heavy metal Cadmium in water bodies
4.	Humairah Tabasum	2020MSCHM024	2022	Plant (<i>Fritillaria cirrhosa</i> D. Don) based preparation of silver nanoparticles (AgNPs) and their antimicrobial applications

7.3 Appendix-V (Sponsored Research Projects, Ongoing)

Sr. No.	Sponsoring agency	File No.	Sanctioned Amount	Sanctioned Year	Title of Project
1.	UGC-DAE CSR	CRS/2022-23/02/803	15.08 (Lakh)	2023	Nanoparticles as smart optical sensors: Development of green synthesis routes and Application in detection of pesticides at agriculture field

8. Research Collaborations:

1. Bhabha Atomic Research Center (BARC), Mumbai, India
2. S.V. National Institute of Technology (SVNIT), Surat, Gujarat, India
3. Sher-e-Kashmir University of Agricultural Sciences and Technology, Srinagar, J&K, India
4. University of Kashmir, Srinagar, J&K, India
5. Navsari Agriculture University, Navsari, Gujarat, India

9. Reviewer of Reputed Journals:

1. Materials Today Chemistry
2. Inorganic Chemistry Communications
3. Journal of Heterocyclic Chemistry

10. Conference/Workshop/STC Organized:

Sr. No.	Role	Category of Programme	Title of Programme	Duration
1.	Coordinator	Short Term Course (STC)	Chemistry of Advanced Functional Materials (CAFAM-2020)	05 Days (21-09-2020 – 25-09-2020)
2.	Coordinator	Short Term Course (STC)	Recent Advances in Chemical Sciences (RACS-2019)	05 Days (08-07-2019 – 12-07-2019)

11. Conference/Workshop/STC Talk/Presentation:

Conference Invited Talk/Presentations

1. Delivered an **Invited Talk** on “Advantages of Nanomaterials in Spectroscopic Analysis” at National Conference On Modern Evolution of Material and Chemical Science (MEMC-2023) Organized by **Parul University, Vadodra, Gujarat, India** during 6th -7th January 2023.

2. **Presented** a paper on “Metallic nanoparticles as simple analytical tool for determination of environment pollutant: An updated review” at 2nd Virtual International Conference on Chemical Sciences in Sustainable Technology and Development Organized by Applied Chemistry Department, **S.V. National Institute of Technology, Surat (Gujarat), India**, during 24th -26th November 2021.
3. Delivered an **Invited Talk** on “Advantages of Nanomaterials in Spectroscopic Analysis” at Second DAE Symposium on Current Trends in Analytical Chemistry (CTAC-2021) Organized by **Bhabha Atomic Research Center (BARC), Mumbai, India** during 20th -23rd October 2021.
4. Delivered an **Invited Talk** on “Use of Nanomaterials in Spectroscopic Analysis” at 7th International Conference on Nanotechnology for better living (NBL-2021) Organized by Department of Physics, **National Institute of Technology, Srinagar, J&K, India** during 7th – 11th September, 2021.
5. Delivered a **Key Note Talk** on “Nanomaterials in Spectroscopic Analysis” at International Summit and Conference on Material Science Nanotechnology & Bio Manufacturing Organized by **Institut Kemahiran Tinggi Belia Negara, Sepang (Selangor), Malaysia** during 25th -28th May 2021.
6. Delivered an **Invited Talk** on “Benefits of Nanomaterials in Spectroscopic Analysis” at International online conference on Nano materials Organized by **Mahatma Gandhi University, Kottayam (Kerala), India**, during 9th -11th April 2021.
7. **Presented** a paper on “Nanoparticles as optical probe to determine veterinary drug residues in animal-derived food samples: A Review” at Virtual International Conference on Chemical Sciences in Sustainable Technology and Development Organized by Applied Chemistry Department, **S.V. National Institute of Technology, Surat (Gujarat), India**, during 1st-3rd December 2020.
8. Delivered **oral presentation** on “Nanoparticles as colorimetric sensors for analysis of pesticides” in 5th International Conference on Nanotechnology for better living (ICNBL-2019) held at **National Institute of Technology, Srinagar, J&K, India** during 7th – 11th April, 2019.
9. **Presented** a paper on “Simple and selective detection of pendimethalin herbicide in water and food samples based on the aggregation of ractopamine-dithiocarbamate functionalized gold nanoparticles” in International Conference on Chemical Sciences in New Era (ICCSNE) held at **Pacific Academy of Higher Education and Research, Udaipur, India** during 5th-6th October, 2018.
10. Presented **Poster** on “Multi-functional groups of dithiocarbamate derivative assembly on gold nanoparticles for competitive detection of diafenthiuron insecticide” in the International Conference on Supramolecules and Forensic Nanotechnology (ICSFN-2018) held at **Gujarat Forensic Science University, Gandhinagar, Gujarat, India** during 23rd-24th February, 2018.
11. Delivered **Short Talk** on “Molecular assembly of dithiocarbamate-calix[4]arene on gold nanoparticles for selective colorimetric sensing of metsulfuron-methyl herbicides in environmental water and food samples” in 13th Europt(r)ode – International Conference on Optical Chemical Sensors and Biosensors (EUROPT[R]ODE-2016) held at **Graz University of Technology, Graz, AUSTRIA** during 20th -23th March, 2016.
12. Presented **poster** on “Citrate-modified silver nanoparticles as a colorimetric probe for simultaneous detection of four triptan-family drugs” in the International Conference on Electron Microscopy & XXXV Annual Meeting of Electron Microscope Society of India (EMSI-2014) held at **Delhi University, New Delhi, India** during 9th -11th July, 2014.
13. Presented **poster** on “Modification of silver nanoparticles with dopamine dithiocarbamate for selective colorimetric sensing of mancozeb” in the Indian Analytical Science Congress (IASC 2013) held at **International Center, Dona-Paula, Goa, India** during 15th -17th August, 2013.

Workshop Expert Talk/Presentations

1. Delivered an **Expert Talk** on “Nanomaterials based test kit to determine the presence of pesticides in food samples” at Two Week High-End Workshop on “Nanotechnology in Agri-Food System-Replete with opportunities” Organized by Division of Plant Pathology, **Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K), Srinagar, J&K, India** during 22nd February – 7th March 2023.
2. Delivered an **Expert Talk** on “Use of Nanomaterials in Spectroscopic Analysis” at One Week Training Program on materials characterization techniques Under Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI)-2, Organized by Department of Physics, **National Institute of Technology, Srinagar, J&K, India** during 30th May – 5th June 2022.
3. Delivered an **Expert Talk** on “Advantages of Nanomaterials in Spectroscopic Analysis” at One Week Training Program on R&D Equipment Under Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI)-1, Organized by Department of Physics, **National Institute of Technology, Srinagar, J&K, India** during 20th – 26th May 2022.
4. Delivered an **Expert Talk** on “Opportunity in Chemistry for Girls” at Virtual Lecture (under Role Model Interaction Series) to Vigyan Jyoti Scholars of **Jawahar Navodaya Vidyalaya, Ganderbal, J&K, India** on 24th July 2021.
5. Delivered an **Expert Talk** on “Advantages of Nanomaterials in Spectroscopic Analysis” at Online Short Term Training Programme (STTP) on Advanced Analytical Techniques in Chemistry, Organized by Applied Chemistry Department, **S.V. National Institute of Technology, Surat (Gujarat), India**, during 26th -30th October 2020.
6. Delivered an **Expert Talk** on “Opportunity in Chemistry” at live Webinar Organized by **V.S. Patel College of Arts and Science Billimora (Gujarat), India** on 29th October 2020.
7. Delivered an **Expert Talk** on “Chemistry and You” at Chem-Conclave-2020 Organized by **Science College Dakor (Gujarat), India** during 12th-17th October 2020.

12. Training Program Attended:

1. Attended **online training** on “Active Learning and Digital Pedagogy for Chemical Science & Engineering Education” organized at **Indian Institute of Technology (IIT), Hyderabad, India** during 20th – 22nd November 2020.
2. Attended **Short Term Course (STC)** on “Recent Advancement in Nanoscience and Nanotechnology (RANN-2020)” Organized by Department of Physics, **National Institute of Technology, Srinagar, J&K, India** during 24th – 28th August 2020.
3. Attended **Faculty Development Program (FDP)** on “Outcome Based Education” Organized by Department of Mechanical Engineering, **National Institute of Technology, Srinagar, J&K, India** during 18th – 22nd May 2019.
4. Attended **Faculty Development Program (FDP)** on “Pedagogy” Organized by **National Institute of Technology, Srinagar, J&K, India** during 1st – 5th April 2019.
5. Attended **Short Term Training Program (STTP)** on “Particle Technology: Characterization and Modeling of Particulate Materials (PT-CMPT-2016)” organized by Department of Chemical Engineering, **S.V. National Institute of Technology, Surat, Gujarat, India** during 1th-5th August, 2016.
6. Attended **Short Term Training Program (STTP)** on “Interfacial Engineering and Nanotechnology for

Sustainable Environment (IENSE 2015)” organized by Department of Chemical Engineering, **S.V. National Institute of Technology, Surat, Gujarat, India** during 10th -14th August, 2015.

7. Attended **Short Term Training Program (STTP)** program on “Advanced Analytical Techniques for Materials Characterization (AATMC 2015)” organized by Applied Chemistry Department, **S.V. National Institute of Technology, Surat, Gujarat, India** during 23rd -27th February, 2015.
8. Attended One Week “**Sixth Schools on Analytical Chemistry (SAC-6)**” organized by Board of Research in Nuclear Science (BRNS) and Association of Environmental Analytical Chemistry of India (AEACI) at **Bhabha Atomic Research Center (BARC), Mumbai, India** during 13th -20th May, 2013.

13. Countries visited for Conference/Research:

1. Austria (Europe)

14. Memberships in Scientific Societies:

1. Association of Environmental Analytical Chemistry of India

15. Research Group Photos:



2021



2022