

# Curriculum Vitae – Dr. Anil H. Gore (M.Sc., Ph.D. Postdoc.)

## PERSONNEL DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |                                                               |                                                                                     |
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| <b>Dr. Anil H. Gore</b> (M.Sc., Ph.D., Postdoc.)<br>Associate Professor (Analytical Chemistry)<br>Tarsadia Institute of Chemical Science, UKA Tarsadia University, Maliba Campus, Gopal Vidyanagar,<br>Bardoli-Mahuva Road, Tarsadi-394350, Surat, Gujrat, India<br>E-mail: <a href="mailto:anil.gore@utu.ac.in">anil.gore@utu.ac.in</a> ; <a href="mailto:anilanachem@gmail.com">anilanachem@gmail.com</a> ; <a href="mailto:anilhgore@gmail.com">anilhgore@gmail.com</a><br>Cell: +91-9975818177; +91-9834619945 |                                         |                                                               |  |
| <b>Correspondence Address:</b> O-101, Avadh Lifestyle, Baben, Bardoli-394601, Gujarat, India                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |                                                               |                                                                                     |
| <b>Permanent Address:</b> At-Tamshidwadi (Gorevasti), Tal-Malshiras, Dist-Solapur, 413109, MS, India                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                                               |                                                                                     |
| <b>Personal Information/Details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                                               |                                                                                     |
| Nationality-Indian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Gender-Male                             | Marital Status-Married                                        |                                                                                     |
| Blood Group-B <sup>ve</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Birth Date-1 <sup>st</sup> January 1985 | Languages Known-Marathi, Hindi, English, (Write, Read, Speak) |                                                                                     |

## EDUCATIONAL DETAILS

|                               |                                                                                                                                                                                                                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>July 2010 - Dec. 2013</b>  | <b>Doctor of Philosophy (Ph.D.), Chemistry</b> (2 <sup>nd</sup> Dec. 2013)<br>Department of Chemistry, Shivaji University, Kolhapur, MS, India<br>Ph.D. Thesis: <i>Studies on Photophysical Properties of Some Cadmium Chalcogenides</i><br>(Advisor: Prof. Govind B. Kolekar, Professor in Physical Chemistry, SUK) |
| <b>June 2005 - April 2007</b> | <b>Master of Science (M.Sc.), Analytical Chemistry</b> (14 <sup>th</sup> May 2007, 67.21%)<br>Department of Analytical Chemistry, Shivaji University, Kolhapur, MS, India                                                                                                                                            |
| <b>June 2002 - April 2005</b> | <b>Bachelor of Science (B.Sc.), Chemistry</b> (12 <sup>th</sup> May 2005, 66.80%)<br>Department of Chemistry, Shahajiraje Mahavidyalaya Khatav, Satara<br>Department of Chemistry, Shankarao Mohite Mahavidyalaya, Akluj, Solapur                                                                                    |

## CAREER HIGHLIGHTS IN NUTSHELL

|                                |                                                                                                                                                                       |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Teaching Experience</b>     | 09 yrs. (MSc & BSc) Analytical chemistry, Industrial Chemistry, Chemistry                                                                                             |
| <b>Research Experience</b>     | 08 yrs. JRF/SRF-BARC, Mumbai, YSS-DST-SERB, Postdoc-Korea University, South Korea                                                                                     |
| <b>Industrial Experience</b>   | 02 Yrs. Research Associate, Calyx Chemicals & Pharma. Ltd, QC-Excel Industries, Ltd                                                                                   |
| <b>Research Grants</b>         | 02; MRP-Funded by DST-SERB, Amt. Sanctioned- Rs. 32,67,000/- (2016-19);<br>CSR Funded by Industry (OFI, UDL, UTPL) for GC, Amt. Sanctioned- Rs. 17,04,400/- (2024-25) |
| <b>Research Collaborations</b> | South Korea-Konkuk, Hanyang, Gachon University; Japan-Mie University,<br>India-CSMCRI, Shivaji University, Goa University, Jain University, Pune University           |
| <b>Research Publications</b>   | Articles/Papers-70+; Patents-04; Book chapters-10; Reviews-06, Citations-2660+; h-index-28, i10-57                                                                    |
| <b>Conferences/Seminars</b>    | Poster-12; Oral-04; National-20; International-15; Invited talk/Guest lecture-10; Organised-02                                                                        |
| <b>Research Guidance</b>       | PhD Thesis-03 (Awarded-01; Working-2); Master Dissertation-44; Master Project-50+, Interntional-01                                                                    |
| <b>Editorial/Review Board</b>  | Associate Editor (CCS-Analytical Chemistry), Reviewer- ACS, RSC, Elsevier, Springer, Journals                                                                         |
| <b>Academic Positions</b>      | IDP, ICC, IPR Cell, Research Funding; News Letter-UTU; Member-BOS; Mahaveer College; Kolhapur                                                                         |

## NATIONAL/INTERNATIONAL RECOGNITIONS/AWARDS/ACHIEVEMENTS (15)

|                                                    |                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>March 2024</b>                                  | Recognized Mentor, International Student, Mr. Koki, Japan, AIESEC programme, Aug-Sept 2023, UTU                                       |
| <b>31<sup>st</sup> March 2023</b>                  | Expert Panelist of Emerging Issues Working Group & Membership, AOAC, Southeast Asia, Singapore                                        |
| <b>7<sup>th</sup> Jan 2023</b>                     | Recognized in World Scientist Ranking, AD Scientific Index 2021, 2022, 2023, 2024                                                     |
| <b>10 &amp; 11 Sep 2021</b>                        | Outstanding Scientist Award, Organized by VDGGOOD Professional Association, Coimbatore, India                                         |
| <b>Aug-2020</b>                                    | Associate Editor CCS: Analytical Chemistry, Bentham Science Publication, Sharjah, U.A.E.                                              |
| <b>16 &amp; 18 Feb. 2019</b>                       | Awarded 1 <sup>st</sup> Prize, Poster Presentation, YCIS, Satara (ICCEE-2019)                                                         |
| <b>1<sup>st</sup> -3<sup>rd</sup> Feb. 2018</b>    | Awarded 2 <sup>nd</sup> Prize, Poster Presentation, Shivaji University, Kolhapur (ICACS-2018)                                         |
| <b>2019-2023</b>                                   | Recognized Reviewer, <i>Publishing/Journals</i> – ACS, JCLP, SAA, CEJ, SPT,                                                           |
| <b>July 2015-June 2016</b>                         | Research Professor (Post-Doctoral Fellow) Korea University, Seoul, South Korea                                                        |
| <b>October, 2016</b>                               | Young Scientist Award, DST-SERB, New Delhi (Worth of Rs. 32,67,000/-)                                                                 |
| <b>Since., 2012</b>                                | RSC e-membership, Royal Society of Chemistry, Cambridge, UK                                                                           |
| <b>11<sup>th</sup> - 12<sup>th</sup> Feb. 2011</b> | Best Oral Presentation Award, Panjab University, Chandigarh (ICETC-2011)                                                              |
| <b>15<sup>th</sup> Dec. 2011</b>                   | Awarded 1 <sup>st</sup> Prize, Shivaji University, Kolhapur, VI <sup>th</sup> University Level Research Convention (Avishkar 2011-12) |
| <b>23<sup>rd</sup> Nov. 2011</b>                   | Awarded 1 <sup>st</sup> Prize, Shivaji University, Kolhapur, VI <sup>th</sup> District Level Research Convention (Avishkar 2011-12)   |

## RESEARCH INTERESTS/AREA: Analytical Chemistry & Sustainable Nanotechnology

Micro-Nanoplastics/Micropollutants-Separation/Analysis; Biomass/Waste Valorization/Upcycling; Carbonaceous Materials/Bio-Polymeric Hybrids for Environmental Remediation, Water/Wastewater treatment; Sustainable Food Packaging; Drug Delivery applications etc.

# RESEARCH INTERESTSES /HIGHLIGHTS (Citations – 2727+; 'h' index – 29; i10-index – 59)

|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Analytical Chemistry</b>                                                              | Extraction & analysis of microplastics/nanoplastics from various samples like food, water, sand, soil etc. Analytical method developments & validations based on FL, UV-Visible, GC, HPLC, GC-MS etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Sustainable Nanotechnology, Hybrid Nanomaterial's &amp; Multifaceted Applications</b> | Biomass/Waste based carbonaceous nanomaterials, Polymer@nanomaterials hybrids in sensing, detection, wastewater treatment, environmental remediation, agricultural applications<br><i>e.g., Monitoring of analytes, hazardous pollutants (Heavy metal ions, Pharmaceuticals, PCPs, Pesticides, Oil, Microplastics etc.) in the environment and develop their effective way of removal. Fabrication of polymer-based nanofibers, transparent film &amp; hydrogel for optical, optoelectronic devices, tissue engineering (wound dressing &amp; controlled release), energy devices, photocatalyst, food packaging, UV blocking, forensic and security applications.</i> |
| <b>Material Science &amp; Chemistry</b>                                                  | Synthesis of functional (ligand capped), Plasmonic & Photonics nanomaterials Development of nanomaterial-based sensor (Quantum Dot/MNPs/CDs)<br>Nanosensor for environmental, biomedical, pharmaceutical applications (detection) Photophysical, dynamics study of nanomaterials, biomolecules and its interactions                                                                                                                                                                                                                                                                                                                                                    |
| <b>Spectroscopy &amp; Photochemistry</b>                                                 | Fluorescent probe, chemosensor, colorimetric probe (Turn-on/Turn-off) Photophysical & Excited state dynamics-Fluorescence quenching/enhancement. Multi-spectroscopic analysis of binding interaction between protein-drug interactions through FRET/SET, fluorescent molecules, biomolecules (solvatochromism)                                                                                                                                                                                                                                                                                                                                                         |

## TEACHING EXPERIENCE (06 - Years)

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>June 2024 - Till date</b>   | <b>Associate Professor</b> (M.Sc. & B.Sc. Chemistry) (01 <sup>st</sup> June 2024 - Till date)<br>Tarsadia Institute of Chemical Science (TICS), UKA Tarsadia University, Bardoli, Surat, Gujarat, India<br><i>Teaching of theory &amp; practicals to the M.Sc. &amp; B. Sc. Students; Paper taught: Electroanalytical chemistry, Surface spectroscopy, Separation techniques, Agricultural &amp; food analysis, Spectroscopic methods, Chromatographic methods, Classical &amp; instrumental analytical methods, Nano-techniques, Green &amp; sustainable chemistry</i>                |
| <b>Aug. 2019 - Till date</b>   | <b>Assistant Professor</b> (M.Sc. & B.Sc. Chemistry) (26 <sup>th</sup> Aug 2019 – 31 <sup>st</sup> May 2024)<br>Tarsadia Institute of Chemical Science (TICS), UKA Tarsadia University, Bardoli, Surat, Gujarat, India<br><i>Teaching of theory &amp; practicals to the M.Sc. &amp; B. Sc. Students; Paper taught: Electroanalytical chemistry, Surface spectroscopy, Separation techniques, Agricultural &amp; food analysis, Spectroscopic methods, Chromatographic methods, Classical &amp; instrumental analytical methods, Nano-techniques, Green &amp; sustainable chemistry</i> |
| <b>Dec. 2016 - Aug.2019</b>    | <b>Assistant Professor-Contributory</b> (M.Sc. & B.Sc. Chemistry)<br>P.G. Department of Chemistry, R.C. Shahu College, Shivaji University, Kolhapur<br><i>Teaching of theory &amp; practicals to the M.Sc. &amp; B. Sc. Students. Paper taught: Analytical Chemistry</i>                                                                                                                                                                                                                                                                                                               |
| <b>July 2014 - May 2015</b>    | <b>Assistant Professor</b> (M.Sc. Industrial Chemistry)<br>Department of Chemistry, Shivaji University, Kolhapur (1 <sup>st</sup> July 2014-15 <sup>th</sup> May 2015)<br><i>Teaching of theory &amp; practicals to the M.Sc. students. Paper taught: Spectroscopic techniques, Methods of analysis in industry, Instrumental methods of analysis, Advanced methods in chemical analysis etc.</i>                                                                                                                                                                                      |
| <b>Nov. 2009 - April 2014</b>  | <b>Contributory Teacher</b> (M.Sc. Industrial Chemistry)<br>Department of Chemistry, Shivaji University, Kolhapur (2 <sup>nd</sup> Nov. 2009-30 <sup>th</sup> April 2014)                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Sept. 2010 - April 2011</b> | <b>Teaching Assistant</b> (M.Sc. Analytical Chemistry)<br>Department of Chemistry, Shivaji University, Kolhapur (9 <sup>th</sup> Sept. 2010-30 <sup>th</sup> April 2011)<br><i>Teaching of theory &amp; practicals to the M.Sc. students. Paper taught: Organo analytical chemistry, Electroanalytical techniques in chemical analysis, Modern separation methods in analysis</i>                                                                                                                                                                                                      |
| <b>Sept. 2009 - April 2010</b> | <b>Teaching Assistant</b> (M.Sc. Analytical Chemistry)<br>Department of Chemistry, Shivaji University, Kolhapur (2 <sup>nd</sup> Sept. 2009-30 <sup>th</sup> April 2010)                                                                                                                                                                                                                                                                                                                                                                                                               |

## RESEARCH EXPERIENCE (04-Years)

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Oct. 2016 – Aug.2019</b>   | <b>Young Scientist Fellow</b> (Funded by DST-SERB, New Delhi, 5 <sup>th</sup> Oct. 2016-24 <sup>th</sup> Aug.2019)<br>Project Title: <i>Photophysical Study of Electrospun Nanofibers Incorporated with Nanomaterials for Environmental Remediation.</i> (Worth of Rs. 32,67,000/-),<br>R.C. Shahu College, Kolhapur, Department of Chemistry, Shivaji University, Kolhapur, MS, India                                  |
| <b>June 2015 – May 2016</b>   | <b>Research Professor (Post-Doctoral Fellow)</b> (1 <sup>st</sup> June 2015-31 <sup>st</sup> May 2016)<br>School of Mechanical Engineering, Korea University, Seoul, SouthKorea.<br><i>Fabrication of energy efficient, longer life, ecofriendly, low-cost energy storage devices (Li-ion, Li-S batteries), Photocatalysis, Hydrocarbon fuel generation etc.</i>                                                        |
| <b>July 2013 - March 2014</b> | <b>Senior Research Fellow</b> (Funded by DAE-BRNS, Collaboration with BARC, Mumbai)<br>Department of Chemistry, Shivaji University, Kolhapur (5 <sup>th</sup> July 2013-31 <sup>st</sup> March 2014)<br><i>Development of nanomaterial (Quantum dot/MNPs) based new fluorescent and colorimetric probes (optical) for analytical applications using spectrophotometry and spectrofluorimetry as an analytical tool.</i> |
| <b>July 2011 - July 2013</b>  | <b>Junior Research Fellow</b> (Funded by DAE-BRNS, Collaboration with BARC, Mumbai)<br>Department of Chemistry, Shivaji University, Kolhapur (5 <sup>th</sup> July 2011-4 <sup>th</sup> July 2013)<br>Project: <i>Synthesis, characterization and fluorescence study of metal nanoparticles;</i><br><i>Synthesis, characterization and photophysical study of metal nanoparticles for analytical applications</i>       |

### PROFESSIONAL/INDUSTRIAL EXPERIENCE (02-Years)

|                              |                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Dec. 2007 - Aug. 2009</b> | <b>Research Associate</b> (ADL Department, R & D Center)<br>Calyx Chemicals & Pharmaceuticals Ltd, Mumbai, MS, India (17 <sup>th</sup> Dec. 2007-21 <sup>st</sup> Aug. 2009)<br>Analytical method development & validation study for the analysis of the API drug molecules, impurity, organic volatile impurity (OVI), its profiling and characterization by using instrumental methods (GC, HPLC, GC-MS). |
| <b>June 2007 - Dec. 2007</b> | <b>Trainee Scientist</b> (Q.C. Department)<br>Excel Industries Ltd, Roha, Raigad, MS, India (07 <sup>th</sup> June 2007- 14 <sup>th</sup> Dec. 2007)<br>Analysis of chemicals, pesticides and pharmaceutical intermediates by classical as well as instrumental methods (GC, HPLC etc.) of analysis.                                                                                                        |

### Funded/Sponsored/Industrial Research Project Completed/Ongoing

|                            |                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Oct.2016 - Aug 2019</b> | <b>DST-SERB Funded Research Project</b> (Project Cost Rs. 32,67,000/-; 5 <sup>th</sup> Oct 2016-24 <sup>th</sup> Aug 2019)<br>Project Title: Photophysical study of Electrospun nanofibers Incorporated with Nanomaterials for Environmental Remediation; PI: Dr Anil H. Gore; Co-PI: NA                                                |
| <b>Feb.2024 - Ongoing</b>  | <b>CSR, Industry (Neterwala Group-UTPL, OFI, UDT)</b> (Project Cost Rs. 17,04,000/-; 8 <sup>th</sup> Feb 2024-Till Date)<br>Project Title: Gas Chromatography-A key tool in analysis of emerging environmental pollutants, their impact on climate change and creating social awareness; PI: Dr Anil H. Gore; Co-PI: Dr Paresh N. Patel |

### PhD/Master Thesis/Dissertation/Project/Intern Guided/Supervised – National/International

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PhD Thesis (05)</b><br>Awarded-02<br>Thesis Submitted -00<br>Working-05 | <b>Miss. Pooja V. Devre</b> (Period: 13 <sup>th</sup> July 2019 – 07 <sup>th</sup> Aug 2024; Date of Award: 28 <sup>th</sup> December 2024)<br>Thesis Title: Designing of Hybrid Hydrogel for Removal of Emerging Contaminants<br><b>Miss. Pinal S. Bhavsar</b> (Period: 18 <sup>th</sup> Sept 2021 – Final Viva Completed)<br>Thesis Title: Extraction and Analysis of Microplastics from various samples<br><b>Mr Anant D Yadav</b> (Period: 12 <sup>th</sup> Aug 2023 – Working)<br>Thesis Title: Analysis of Nitrosamine Impurities in Pharmaceuticals by GC/LC-MS-MS Techniques<br><b>Mr Aniket H. Sawat</b> (Period: 12 <sup>th</sup> Aug 2024 – Working)<br>Thesis Title: Development of Sustainable Technology for Microplastic/Nanoplastic Remediation from Wastewater<br><b>Mr Bhavesh Der</b> (Period: 12 <sup>th</sup> Aug 2024 – Working)<br>Thesis Title: Ecofriendly electrode material for Lithium/Sodium ion batteries<br><b>Mr Suraj Yadav</b> (Period: 24 <sup>th</sup> Jan 2025 – Working)<br>Thesis Title: Advanced Approaches for Sustainable Remediation of Emerging Environmental Pollutants in Water |
| <b>Master Dissertation (28)</b>                                            | 03 (2019-20); 07 (2020-21); 05 (2021-22); 07 (2022-23); 07 (2023-24); 03 (2024-25)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>International Intern (02)</b>                                           | <b>Mr. Koki Matsumoto</b> , Japan, AIESEC programme, Aug-Sept 2023<br><b>Miss. Sarah Bruzak</b> , Germany, AIESEC programme, Oct 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### INVITED TALK/GUEST LECTURE /RESOURCE PERSON

|                                    |                                                                                                                                                                                                              |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>12<sup>th</sup> Aug 2025</b>    | Resource Person- Guest Speaker; Shikshanmaharshi Dr. Bapuji Salunkhe College, Miraj, District Sangli MS, India<br>Topic: Research Methodology                                                                |
| <b>6<sup>th</sup> March 2025</b>   | Resource Person-Expert Talk; KIST, Krishna Vishwa Vidyapeeth (DU), Karad, MS, India<br>Topic: Empowering Indian Youth for global Leadership in Science & Innovation for Viksit Bharat                        |
| <b>19<sup>th</sup> Feb 2025</b>    | Resource Person-Guest Speaker; Department of Physics, Khalifa University of Science and Technology, Abu Dhabi, UAE<br>Topic: Micro and Nano Plastics: Global Threats, Analysis and Premeditation Challenges. |
| <b>8-10<sup>th</sup> Jan 2025</b>  | Resource Person-Guest Speaker; ICAETS-2025, Dhawadi College, Dhawadi Satara, MS, India<br>Topic: Tiny Pollutants, Big Impact: Recent Trends in Micro (Nano)Plastics Separation and Analysis                  |
| <b>26<sup>th</sup> Sept 2024</b>   | Resource Person-Expert Talk; NSS Unit, TICS, UTU, Bardoli, GJ, India<br>Topic: Microplastic Pollution: Awareness and Control measures                                                                        |
| <b>2<sup>nd</sup> Sept 2024</b>    | Resource Person-Guest Speaker; The Patidar Gin Science College, Bardoli, GJ, India<br>Topic: Intellectual Property (IP) for Commercialization of Product/Process/Model                                       |
| <b>2<sup>nd</sup> March 2024</b>   | Resource Person-Guest Speaker; S G Patil College, Sakri, Dhule, MS, India<br>Topic: Towards Zero Waste: Sustainable Strategies for Water/Wastewater Treatment                                                |
| <b>5<sup>th</sup> Dec. 2023</b>    | Resource Person-Invited Talk; Wilson College, Mumbai, MS, India<br>Topic: Sustainable Hydrogels for Water/Wastewater Treatment: A Circular Economy & Zero Waste Approach                                     |
| <b>24<sup>th</sup> May 2023</b>    | Guest Lecture/Invited Talk; K. B. P. College, Pandharpur, MS, India<br>Topic: Water / Wastewater treatment: A sustainable and Circular Economy Approach                                                      |
| <b>17<sup>th</sup> Feb 2023</b>    | Resource Person; State Level Workshop, New College, Kolhapur, MS, India<br>Topic: Water / Wastewater treatment: A sustainable approach                                                                       |
| <b>30-31<sup>st</sup> Dec 2022</b> | Judge; 47 <sup>th</sup> Science, Mathematics and Environment Education Exhibition in Dang District<br>Eklavya Model Residency School-Ahava, Dist-Dang, Gujarat 2022-23                                       |
| <b>5<sup>th</sup> Aug 2022</b>     | Resource Person; Workshop on Research Awareness, Kesarkar Science College, Dodamarg, MS, India                                                                                                               |

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|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | Topic: Research Awareness                                                                                                                                                |
| <b>30<sup>th</sup> June 2022</b>  | Invited Speaker; International e-Conference on Nano, Engineered Science Publisher USA<br>Topic: Nanofiltration- A sustainable technology for drinking water purification |
| <b>17<sup>th</sup> May 2022</b>   | Chief Guest; e-CHEM-O-JOY NATIONAL FESTIVAL 2022", Willingdon College, Sangli, Maharashtra<br>Topic: Guidance about Research Awareness and Development                   |
| <b>29<sup>th</sup> July 2021</b>  | Resource Person; State Level Workshop Online, RCSC College, Kolhapur, MS, India<br>Topic: Review article writing                                                         |
| <b>1<sup>st</sup> July 2021</b>   | Resource Person; One Day National Level Workshop, Balwant College, Vita, MS, India<br>Topic: How to Write Review Article?                                                |
| <b>02<sup>nd</sup> June 2021</b>  | Guest Lecture/Invited talk; MSc Chemistry Students, YCIS, Satara, MS, India<br>Topic: Advanced Analytical Techniques & Applications                                      |
| <b>22<sup>nd</sup> May 2021</b>   | Guest lecture; SV Enterprises, Kolhapur, MS, India<br>Topic: Water Pollution, Purification Technology & Drinking Water                                                   |
| <b>17<sup>th</sup> April 2021</b> | Expert Talk; Lecture Series for BSc students, Sangola College, Sangola MS, India<br>Topic: Electron Microscopic Techniques                                               |

#### ORGANIZED/WORKED/MEMBER-CONFERENCE/SEMINAR/WORKSHOP/INVITED TALK

|                                   |                                                                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Feb 2024</b>                   | Scientific Committee Member-International Conference, TICS, UTU, Bardoli, GJ, India<br>Topic: Advancement in Chemical and Biological Research (ACBBBF-2024); 8-10 <sup>th</sup> Feb, 2024           |
| <b>Dec 2023</b>                   | Committee Member-Workshop, TICS, UTU, Bardoli, GJ, India<br>Topic: Hands-on Training Program on Instruments used in Bio-Organic Lab; December, 2023 (9.00am- 4.00pm, IST)                           |
| <b>Jan 2023</b>                   | Committee Member-Workshop, TICS, UTU, Bardoli, GJ, India<br>Topic: Hands-on Training Program on Instruments used in Bio-Organic Lab; January, 2023 (9.00am- 4.00pm, IST)                            |
| <b>26<sup>th</sup> July 2022</b>  | Co-Ordinator-Invited talk, Department chemistry, UTU, Bardoli, GJ, India<br>Topic: Opportunities for Higher Studies in Abroad; 26 <sup>th</sup> July 2022 (11.00am-1.00pm, IST)                     |
| <b>22<sup>nd</sup> March 2022</b> | Co-Ordinator-Invited talk (Webinar), Department chemistry, UTU, Bardoli, GJ, India<br>Topic: Research Opportunities (PhD & Postdoc) in South Korea; 21 <sup>st</sup> March 2022 (1.30-2.30 pm, IST) |
| <b>24<sup>th</sup> Jan 2018</b>   | Organizing committee Member-One day workshop organized, RCSC College, Kolhapur, MS, India<br>Topic: Recent developments in Chemistry                                                                |

#### INSTRUMENTS HANDLED & SKILLS

|                                                  |                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Good Practice for Handling of Instruments</b> | Electrospinning Unit (Royal, HD30); Spectrofluorometer (Jasco, FP-750, FP-8300); UV-Visible Spectrophotometer (Shimadzu); GC (Agilent & Shimadzu); GC-MS (Shimadzu QP-2010); GC Headspace (Agilent) for OVI Analysis; HPLC (Agilent & Shimadzu); WonAtech automatic battery cycler (WBCS 3000; WonAtech, South Korea) |
| <b>Detailed Knowledge &amp; Practical Skills</b> | Chromatographic techniques: HPLC, GC, GC-MS, IC, HPLC-MS, HP-TLC; Spectroscopic methods: UV, IR, MASS, NMR; Instrumental & Classical analysis; CR2032 coin-type cell fabrication (Li-ion Battery); Electrospun nanofiber preparation by electrospinning process; Preparation composite hydrogels and films            |
| <b>Chemistry Software</b>                        | OriginPro, Chem. Sketch, ISS draw, Sci-finder, Endnote, MS-Office (Word, Excel, Power point)                                                                                                                                                                                                                          |

#### RESEARCH PUBLICATIONS - Patents (03)

|          |                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>3</b> | <b>A Novel Methodology to Prepare Sustainable and Versatile Activated Carbon from Waste Biomass for Quick, Continuous and Pressure Filtration Technology</b><br><i>Anil H. Gore*</i> , Chandrashekar S. Patil, Datta B. Gunjal, Vaibhav M. Naik, Ravindra D. Waghmare, Govind B. Kolekar<br>Indian Patent No. 201921013770, filed on 05-04-2019, Journal No. 19/2019 dated 10/05/2019, p19428           |
| <b>2</b> | <b>Waste Tea Residue Derived Carbon Nanodots Enhances Productivity in Fenugreek by Improving Chlorophyll Content and Mineral Uptake</b><br><i>Ravindra D. Waghmare, Anil H. Gore, Vaibhav M. Naik, Datta B. Gunjal, Mansingraj S. Nimbalkar Govind B. Kolekar*</i><br>Indian Patent No. 201921021629 A, filed on 07-06-2019, Journal No. 23/2019 dated 07/06/2019, p23901 (Granted; Patent No.: 445678) |
| <b>1</b> | <b>Carbon Dots-Fe<sup>3+</sup> System as a Dual Probe for the Selective Determination of D-Penicillamine</b><br><i>Vaibhav M. Naik, Datta B. Gunjal, Ravindra D. Waghmare, Anil H. Gore, Govind B. Kolekar</i><br>Indian Patent No. 201721041497, filed on 22-07-2017, Journal No. 51/2017 dated 22/12/2017 49938                                                                                       |

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| <b>10</b> | <b>Biopolymer-Based Nanocomposites for Adsorption/Recovery of Fertilizer Nutrients in Agricultural Applications</b><br><i>Amrutlal L Prajapat, Pooja V Devre, Pinal S Bhavsar, Omkar S Nille, Pravin R Dongare, Anil H. Gore*</i><br>Abd-El salam, K.A., Hashim, A.F., Ahmed, F.K., Thomas, S. (eds) Biopolymeric Nanoparticles for Agricultural Applications. Nanotechnology in the Life Sciences, Springer, Cham (2024, 59-77)<br>DOI: 10.1007/978-3-031-68834-8_3; ISBN: 978-3-031-68834-8 |
| <b>9</b>  | <b>Analytical applications of graphene oxide-based hydrogels</b><br><i>Pravin R Dongare, Omkar S Nille, Pinal S Bhavsar, Pooja V Devre, Govind B Kolekar, Amrutlal L Prajapat, Anil H. Gore*</i><br>Suresh Kumar Kailasa (eds), Analytical Applications of Graphene Oxide, Elsevier, Comprehensive Analytical Chemistry, Volume 106 (2024, 391-434)<br>DOI: 10.1016/bs.coac.2024.03.005; ISBN: 9780443296420                                                                                  |
| <b>8</b>  | <b>Green miniaturized technologies for microplastic/nanoplastics separation and analysis</b><br><i>Pinal Bhavsar, Anil H. Gore*</i><br>Green Miniaturized Technologies in Analytical & Bioanalytical Chemistry, Comprehensive Analytical Chemistry, Elsevier (2023, In Press Accepted)                                                                                                                                                                                                        |
| <b>7</b>  | <b>Polymer-Graphitic Nitride Composites for Wastewater Treatment</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| 6 | <b>Graphene oxide based nanofiltration membrane for wastewater treatment</b><br><i>Pooja S. Devre, Chandrashekhkar S. Patil, <b>Anil H. Gore*</b></i><br>Ahmad, A., Alshammari, M.B. (eds); Nanofiltration Membrane for Water Purification, Springer Nature, (2023, 55-67)<br>DPI: 10.1007/978-981-19-5315-6_4; ISBN: 978-981-19-5315-6                                                                                               |
| 5 | <b>Hetero atom/metal ions-doped carbon dots for sensing applications</b><br><i>Datta B. Gunjal, Omkar S. Nille, Vaibhav M. Naik, Rajendra V. Shejwal, Govind B. Kolekar, <b>Anil H. Gore*</b></i><br>Suresh Kumar Kailasa, Chaudhery Mustansar Hussain (eds); Carbon Dots in Analytical Chemistry: Detection and Imaging, Elsevier, (2023, 181-197)<br>DOI: 10.1016/B978-0-323-98350-1.00002-5; ISBN: 9780323983501                   |
| 4 | <b>Analytical Applications of carbon dots in forensics, security and related fields</b><br>Pravin S. Dongare, Rohant S. Dhabbe, Datta B. Gunjal, Govind B. Kolekar, <b>Anil H. Gore*</b><br>Suresh Kumar Kailasa, Chaudhery Mustansar Hussain (eds); Carbon Dots in Analytical Chemistry: Detection and Imaging, Elsevier, (2023, 199-2121)<br>DOI: 10.1016/B978-0-323-98350-1.00001-3; ISBN: 9780323983501                           |
| 3 | <b>UV Shielding Biopolymer@Nanocomposites for Sustainable Packaging Applications</b><br><i>Akshay S. Patil, Omkar S. Nille, Govind B. Kolekar, Daewon Sohn and <b>Anil H. Gore*</b></i><br>Muthu, S.S. (eds); Sustainable Packaging, Springer-Nature (2021, 177-202);<br>DOI: 10.1007/978-981-16-4609-6_7; ISBN: 978-981-16-4609-6                                                                                                    |
| 2 | <b>Valorization of tea waste for multifaceted applications: A step towards green and sustainable development</b><br>Omkar S. Nille, Datta B. Gunjal, Vaibhav M. Naik, Ravi D. Waghmare, Akshay S. Patil, Govind B. Kolekar, <b>Anil H. Gore*</b><br>Rajeev Bhat (eds), Valorization of Agri-Food Wastes and By-Products, Academic Press, Elsevier (2021, 219-236)<br>DOI: 10.1016/B978-0-12-824044-1.00046-5; ISBN: 978-0-12-824044-1 |
| 1 | <b>Carbon-Based Composite Hydrogels for Environmental Remediation</b><br><i>Omkar S. Nille, Akshay S. Patil, Govind B. Kolekar, <b>Anil H Gore*</b></i><br>Jawaid, M., Ahmad, A., Ismail, N., Rafatullah, M. (eds), Environmental Remediation Through Carbon Based Nano Composites, Springer (2021, 427-443)<br>DOI: 10.1007/978-981-15-6699-8_20; ISBN: 978-981-15-6699-8                                                            |

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| 6 | <b>A critical review on current challenges in analysis of microplastics (MPs) in food samples</b><br><i>Pinal S. Bhavsar, Pravin R. Dongare, Yasuhito Shimada, <b>Anil H. Gore*</b></i><br>ACS Food Science and Technology, 3 (2023) 2001-2017 (I.F. = 2.3)                                                   |
| 5 | <b>Recent trends in synthetic Top-down approach for Mesoporous Carbon: A seminal review</b><br><i>Sneha R. Bhosale, Rakhee R. Bhosale, Kishor S. Jagadhane, <b>Anil H. Gore</b>, Govind B. Kolekar, Sanjay S. Kolekar, Prashant V. Anbhule</i><br>Journal of Materials NanoScience, 6 (2023) 601 (I.F. = 7.8) |
| 4 | <b>Biopolymer Nanocomposites for Sustainable UV Protective Packaging</b><br><i><b>Anil H. Gore*</b> and Amrutlal L. Prajapat</i><br>Frontiers in Materials, 9 (2022) 855727 (I.F. = 3.5)                                                                                                                      |
| 3 | <b>A Systematic Review on Fluorescent and Colorimetric Chemosensors for Ion Recognition</b><br><i>Pravin Dongare, Govind Kolekar and <b>Anil Gore*</b></i><br>Current Chinese Science, 1 (2021) 494-512 (I.F. =)                                                                                              |
| 2 | <b>Recent Advances in Colorimetric and Fluorescent Chemosensors for Ionic Species: Design, Principle and Optical Signalling Mechanism</b><br><i>Pravin R Dongare, <b>Anil H Gore*</b></i><br>ChemistrySelect, 6 (2021) 5657-5669 (I.F. = 1.7)                                                                 |
| 1 | <b>Fluorescent Chemosensor for Quantitation of Multiple Atmospheric Gases</b><br><i>D.P. Bhopate*, K.H. Kim, P.G. Mahajan, <b>A.H. Gore</b>, S.R. Patil, S.M. Majhi, G.K. Naik, T.T. Liang, J-Md. Ahemad, Y.T. Yu and A.N. Kadam</i><br>J. Nanomed. Nanotechnol., 8 (2017) 436 (I.F. = 3.57)                  |

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| 74 | <b>High Flexible, Ultra-Robust Piezoelectric Nanogenerator Based on Hexagonal <math>\alpha</math>-Beryllium Oxide/PVDF Composite Thin Film: E-Skin and Energy Harvesting Applications</b><br><i>Chandrashekhkar S Patil, Jungmin Kim, Sourabh B Ghode, Mandar Vasant Paranjape, Jaydip K Sawant, Muhammad Noman, Qazi Muhammad Saqib, Myung Hoe Kim, Si Hyun Sung, <b>Anil H Gore</b>, Mahaveer D Kurkuri, Young Pyo Jeon, Jinho Bae</i><br>Advanced Functional Materials (2025), e17516 (I.F.=19) |
| 73 | <b>Assessment of Nitrosamine Impurities in Lurasidone Hydrochloride Using APCI-LC-MS/MS in MRM Mode for Regulatory Compliance and Stability Evaluation</b><br><i>Anant D. Yadav, Ashish C. Alaspure, Pinal S. Bhavsar, Sandesh R. Lodha, <b>Anil H Gore*</b></i><br>Rapid Communications in Mass Spectrometry 39 (2025), e10126 (I.F. = 1.7)                                                                                                                                                       |
| 72 | <b>Ultrasensitive LC-MS/MS Quantitation of the N-Nitroso-Dabigatran Etxilate Impurity in Dabigatran Etxilate Mesylate Using an Electrospray Ionization Technique</b><br><i>Anant D. Yadav, Ashish C. Alaspure, Sandesh R. Lodha, Amrutlal L. Prajapat, <b>Anil H Gore*</b></i><br>Anal. Methods, 17 (2025) 1797-1803 (I.F. = 2.7)                                                                                                                                                                  |
| 71 | <b>Nanocarbon Eco-Hydrogel Kit: On-Site Visual Metal Ion Sensing and Dye Cleanup, Advancing Circular Economy in Environmental Remediation</b>                                                                                                                                                                                                                                                                                                                                                      |

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| 70 | <b>Microplastic contamination in Indian rice: A comprehensive characterization and health risk assessment</b><br>Pinal S Bhavsar, Mandeep Solanki, Yasuhito Shimada, Sumit B Kamble, Shashikant P Patole, Govind B. Kolekar, <b>Anil H. Gore*</b><br>J. Hazard. Mater. 480 (2024) 136208 (I.F. = 12.2)                                                                                                                 |
| 69 | <b>Ecological Risk Assessment of Microplastics in the Soil of Diamond City Surat, Gujarat, India: Abundance, Composition, and Pollution Indices</b><br>Pinal S. Bhavsar, Bhautik S. Chovatiya, Sumit B. Kamble, <b>Anil H. Gore*</b><br>ACS Agric. Sci. Technol. 4 (2024) 614–625 (I.F. = 2.5)                                                                                                                         |
| 68 | <b>Selective Detection of Azelnidipine in Pharmaceuticals via Carbon Dot Mediated Spectrofluorimetric Method: A Green Approach</b><br>Sandesh R. Lodha*, <b>Anil H. Gore*</b> , Jesika G. Merchant, Arya J. Pillai, Hetal P. Patel, Furqan A. Maulvi, Pravin O. Patil, Gajanan G. Kalyankar, Shrikant V. Joshi, Paresh N. Patel, Shailesh A. Shah, Dinesh R Shah<br>Luminescence 39 (2024) e4738 (I.F. = 2.9)          |
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| 66 | <b>Agro-waste valorization into carbonaceous eco-hydrogel: A circular economy and zero waste tactic for doxorubicin removal in water/wastewater</b><br>Pooja Devre, <b>Anil H. Gore*</b><br>Langmuir 40 (2024) 141–158 (I.F. = 4.3)                                                                                                                                                                                    |
| 65 | <b>Route-dependent tailoring of carbon dot release in alginate hydrogel beads (HB-Alg@ WTR-CDs): A versatile platform for biomedical applications</b><br>Omkar S Nille, Akshay S Patil, Anuja A Vibhute, Shital S Shendage, Arpita P Tiwari, Prashant V Anbhule, Daewon Sohn, <b>Anil H Gore*</b> , Govind B Kolekar<br>Int. J. Biol. Macromol. 257 (2024) 128126 (I.F. = 8.2)                                         |
| 64 | <b>Construction of Waste Chalk Powder into mpg-C<sub>3</sub>N<sub>4</sub>-CaSO<sub>4</sub> as an Efficient Photocatalyst for Dye Degradation under UV–Vis Light and Sunlight</b><br>Sachin B. Shinde, Sneha R. Bhosale, Nagesh B. Birajdar, <b>Anil H. Gore</b> , Govind B. Kolekar, Sanjay S. Kolekar, Ajinkya D. Mandake, and Prashant V. Anbhule*<br>Langmuir 39 (2023) 6324–6336 (I.F. = 4.3)                      |
| 63 | <b>Upcycling of spent granular carbon into sustainable and recyclable biopolymeric hybrid hydrogel for highly efficient adsorptive removal of tetracycline pollutant from environmental waters and industrial effluents</b><br>Pooja Devre, Akshay S. Patil, Daewon Sohn, <b>Anil H. Gore*</b><br>J. Environ. Chem. Eng. 11 (2023) 109368 (I.F. = 7.9)                                                                 |
| 62 | <b>One-step in-situ sustainable synthesis of magnetic carbon nanocomposite from corn comb (MCCC): agricultural biomass valorization for pollutant abatement in wastewater</b><br>Omkar S. Nille, Rahul S. Patel, Bhagyashree Y. Borate, Santosh S. Babar, Govind B. Kolekar, <b>Anil H. Gore*</b><br>Environ. Sci. Pollut. Res. (2022), 1-18 (I.F. = 5.19)                                                             |
| 61 | <b>Extraction and Analysis of Microplastic Beads from Personal Care Products</b><br>Pinal Bhavsar, <b>Anil H. Gore*</b><br>Current Analytical chemistry, (2023) 184-189 (I.F. = 2.5)                                                                                                                                                                                                                                   |
| 60 | <b>Template free synthesis of mesoporous carbon from fire cracker waste and designing of ZnO-Mesoporous carbon photocatalyst for dye (MO) degradation</b><br>Sachin B. Shinde, Shankar D. Dhengale, Omkar S. Nille, Shivajee S. Jadhav, <b>Anil H. Gore</b> , Tanaji R. Bhosale, Nagesh B. Birajdar, Sanjay S. Kolekar, Govind B Kolekar, Prashant V. Anbhule*<br>Inorg. Chem. Commun. 147 (2023) 110242 (I.F. = 3.42) |
| 59 | <b>Crystallinity modulated silk fibroin electrospun nanofibers based floating scaffold as a candidate for controlled release of felodipine</b><br>Shailesh Dugam, Sopan Nangare, <b>Anil Gore</b> , Sarika Wairkar, Pramod Patil, Latika Choudary, Namdeo Jadhav*<br>Int. J. Polym. Mater. Polym. 71 (2022) 1393-1406 (I.F. = 3.22)                                                                                    |
| 58 | <b>Dihydroquinazolinone based nanosensor for fluorometric detection of Hg (II) ions: Application to Environmental Analysis</b><br>Saubai B Wakshe, Pravin R Dongare, <b>Anil H Gore</b> , Gurnath V Mote, Shivanand P Gajare, Shilpa Y Salunkhe, Prashant V Anbhule, Daewon Sohn, Govind B Kolekar<br>Environmental Nanotechnology, Monitoring & Management 18 (2022) 100717 (I.F. = 5.9)                              |
| 57 | <b>Valorization of Waste Tungsten Filament into mpg-C<sub>3</sub>N<sub>4</sub>-WO<sub>3</sub> Photocatalyst: A Sustainable E-Waste Management and Wastewater Treatment</b><br>Sachin B. Shinde, Omkar S. Nille, <b>Anil H. Gore</b> , Nagesh B. Birajdar, Govind B. Kolekar, and Prashant V. Anbhule*<br>Langmuir 38 (2022) 2022, 13543–13557 (I.F. = 4.01)                                                            |
| 56 | <b>Greenish-Yellow Emitting Carbon Dots as ‘On-Off-On’ Fluorescent Probe for Selective Determination of Mercury (II) and Sulphide Ions</b><br>Vaibhav M. Naik, Ravindra D. Waghmare, <b>Anil H. Gore</b> , Prashant V. Anbhule, Govind B. Kolekar*<br>ChemistrySelect 7 (2022) e202201193 (I.F. = 2.3)                                                                                                                 |
| 55 | <b>Effect of various aqueous extracting agents on fluorescence properties of waste tea residue derived carbon dots (WTR-CDs): Comparative spectroscopic analysis</b><br>Umesh S Mote, <b>Anil H Gore</b> , Sumit Kumar Panja, Govind B. Kolekar<br>Luminescence (2022) (I.F. = 2.46)                                                                                                                                   |
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| 53 | <b>Reutilization of carbon from exhausted water filter cartridges (EWFC) for decontamination of water: An innovative waste management approach</b>                                                                                                                                                                                                                                                                     |

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| 44 | <b>Nitrogen Doped Waste Tea Residue Derived Carbon Dots for Selective Quantification of Tetracycline in Urine and Pharmaceutical Samples and Yeast Cell Imaging Application</b><br>Datta B. Gunjal, Yogesh M. Gurav, <b>Anil H. Gore</b> , Vaibhav M. Naik, Ravindra D. Waghmare, Chandrashekhar S. Patil, Daewon Sohn, Prashant V. Anbhule, Rajendra V. Shejwal, Govind B. Kolekar *<br>Optical Materials, 98 (2019) 109484 (I.F. =3.75) |
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| 38 | <b>One-Pot Three-Component Synthesis and Photophysical Properties of Highly Fluorescent Novel 4-Alkyl-3- Aryl-2,6-Dicyanoanilines by using Tris (Hydroxymethyl) Aminomethane as a Catalyst.</b><br>Ananda S. Kudale*, Santosh B. Kamble, <b>Anil H. Gore</b> , Mahesh M. Pisal, Anil T. Salokhe, Govind B. Kolekar, Vasant B. Helavi*<br>Chemical Data Collections, 19 (2019) 100172 (I.F. =2.22)                                         |
| 37 | <b>Carbon dots as a dual sensor for the selective determination of d-penicillamine and biological applications</b><br>Datta B. Gunjal, <b>Anil H. Gore</b> , Vaibhav M. Naik, Samadhan P. Pawar, Prashant V. Anbhule, Rajendra V. Shejwal, Govind B. Kolekar *<br>Optical Materials, 88 (2019) 134-142 (I.F. =3.08)                                                                                                                       |
| 36 | <b>Sustainable carbon nanodots synthesized from kitchen derived waste tea residue for highly selective fluorimetric recognition of free chlorine in acidic water: A waste utilization approach</b><br>Datta B. Gunjal, Vaibhav M. Naik, Ravindra D. Waghmare, Chandrashekhar S. Patil, Rajendra V. Shejwal, <b>Anil H. Gore**</b> , Govind B. Kolekar * J. Taiwan Inst. Chem. Eng., 95 (2019) 147-154 (I.F. = 5.477)                      |
| 35 | <b>Waste Tea Residue as a Low-Cost Adsorbent for Removal of Hydralazine Hydrochloride Pharmaceutical Pollutant from Aqueous Media: An Environmental Remediation</b><br>Chandrashekhar S. Patil, Datta B. Gunjal, Vaibhav M. Naik, Namdev S. Harale, Suryabala D. Jagadale, Abhijit N. Kadam, Pramod S. Patil, Govind B.                                                                                                                   |

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|    | Kolekar, <b>Anil H. Gore*</b><br>J. Cleaner. Prod., 206 (2019) 407-418 (I.F. = 11.07)                                                                                                                                                                                                                                                                                                                                  |
| 34 | <b>Quick and Low-Cost Synthesis of Sulphur Doped Carbon Dots by Simple Acidic Carbonization of Sucrose for the Detection of Fe<sup>3+</sup> Ions in Highly Acidic Environment</b><br>Vaibhav M. Naik, Datta B. Gunjal, <b>Anil H. Gore</b> , Samdhan P. Pawar, Sunanda T. Mahanwar, Prashant V. Anbhule, Govind B. Kolekar *<br>Diam. Relat. Mater. 88 (2018) 262-268 (I.F. = 3.806)                                   |
| 33 | <b>Stereoselective HPLC Separation of Alvimopan on Cellulose-Based Immobilized Polysaccharide as a Chiral Stationary Phase</b><br>Nitin H. Dhekale, Dattatray B. Gunjal, <b>Anil H. Gore</b> , Yagnakirankumar Komaravolu, K. Hima Bindu, Govind B. Kolekar*<br>Chirality, 30 (2018) 982-987 (I.F. = 2.183)                                                                                                            |
| 32 | <b>Waste packaging polymeric foam for oil-water separation: An environmental remediation</b><br>Chandrashekar S. Patil, Vaibhav R. Patil, Sanket N. Anbhule, Chandrakant J. Khilare, Govind B. Kolekar, <b>Anil H. Gore*</b><br>Data in Brief, 19 (2018) 86-92 (I.F. = 1.13)                                                                                                                                           |
| 31 | <b>A Quinazolinone Based Fluorescent Chemosensor for Selective Detection of Fe (III) in Aqueous Media: Applications to Pharmaceutical and Environmental Analysis</b><br>Pravin R. Dongare, <b>Anil H. Gore</b> , Uttam R. Kondekar, Govind B. Kolekar, Balu D Ajalkar*<br>Inorganic & Nano-Metal Chemistry, 48 (2018) 49-56 (I.F. = 1.514)                                                                             |
| 30 | <b>Studies on Structural, Optical, Thermal and Electrical Properties of Perylene-Doped p-terphenyl Luminophors</b><br>Netaji K. Desai*, Prasad G. Mahajan, Dhanaji P. Bhopate, Dattatray K. Dalavi, Avinash A. Kamble, <b>Anil H. Gore</b> , Tukaram D. Dongale, Govind B. Kolekar, Shivajirao R. Patil*<br>J. Fluorescence, 28 (2018) 51-63 (I.F. = 2.525)                                                            |
| 29 | <b>Fluorescence Based Sensor for Selective and Sensitive Detection of Amoxicillin (Amox) in Aqueous Medium: Application to Pharmaceutical and Biomedical Analysis</b><br>Samadhan P. Pawar, Laxman S. Walekar, Datta B. Gunjal, Dattatray K. Dalvi, <b>Anil H. Gore</b> , Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*<br>Luminescence, 32 (2017) 918-923 (I.F. = 2.613)                            |
| 28 | <b>Amide Functionalized Ionic Liquid as Facile Fluorescent Probe for Detection of Nitrophenolic Compounds Sandip K. Patil, Deepak V. Awale, Madagonda M. Vadiyar, Suryakant A. Patil, Sagar C. Bhise, Anil H. Gore, Govind B. Kolekar, Jin H. Kim, Sanjay S. Kolekar*</b><br>Chemistry Select, 2 (2017) 4124-4130 (I.F. = 2.307)                                                                                       |
| 27 | <b>Ion Exchange Resins as a Reusable acid Catalyst for an Efficient Synthesis of Coumarins via von Pechmann reaction</b><br>V. D. Suryawanshi, <b>A. H. Gore</b> , P. V. Anbhule, S. R. Patil, G. B. Kolekar*<br>Journal of Shivaji University (Science & Technology), 42 (2016-17) 40-45 (I.F. = )                                                                                                                    |
| 26 | <b>CdS Nanocrystals as Fluorescent Probe for Detection of Dolasetron Mesylate in Aqueous Solution: Application to Biomedical Analysis</b><br>Samadhan P. Pawar, Laxman S. Walekar, Uttam R. Kondekar, Datta B. Gunjal, <b>Anil H. Gore</b> , Prashant V. Anbhule, and Govind B. Kolekar*<br>J. Pharm. Analysis, 6 (2016) 410-416 (I.F. = 14.026)                                                                       |
| 25 | <b>Synthesis, Biological Evaluation and Molecular Docking Studies of Some Novel Indenospiro Derivatives as Anticancer Agents</b><br>Ajinkya A. Patravale, <b>Anil H. Gore</b> , Govind B. Kolekar, Madhukar B. Deshmukh, Prafulla B. Choudhari, Manish S. Bhatia, Shivadatta Prabhu, Mahendra D. Jamdhade, Milind S. Patole, Prashant V. Anbhule*<br>J. Taiwan Inst. Chem. Eng., 68 (2016) 105-118 (I.F. = 5.477)      |
| 24 | <b>Contemporary development in sequential Knoevenagel, Michael addition multicomponent reaction for the synthesis of 4-Aryl-5-oxo-5H-indeno [1, 2-b] pyridine-3-carbonitrile</b><br>Ajinkya A. Patravale, <b>Anil H. Gore</b> , Dipti R. Patil, Govind B. Kolekar, Madhukar B. Deshmukh, Prafulla B. Choudhari, Manish S. Bhatia, Prashant V. Anbhule*<br>Res. Chem. Intermed., 42 (2015) 2919-2935 (I.F. = 3.134)     |
| 23 | <b>Surfactant Stabilized AgNPs as a Colorimetric Probe for Simple and Selective Detection of Hypochlorite Anion (ClO<sup>-</sup>) in Aqueous Solution: Environmental Sample Analysis</b><br>Laxman S. Walekar, Samadhan P. Pawar, <b>Anil H. Gore</b> , Vishwas D. Suryawanshi, Santosh S. Undare, Prashant V. Anbhule, Shivajirao R. Patil, Govind B. Kolekar*<br>Colloid Surface A, 491 (2016) 78-85, (I.F. = 5.518) |
| 22 | <b>Spectroscopic Analysis on the Binding Interaction of Biologically Active Pyrimidine Derivative with Bovine Serum Albumin</b><br>Vishwas D. Suryawanshi, Laxman S. Walekar, <b>Anil H. Gore</b> , Prashant V. Anbhule, Govind B. Kolekar*<br>J. Pharm. Analysis, 6 (2016) 56-63, (I.F. = 14.026)                                                                                                                     |
| 21 | <b>Cetyltrimethyl Ammonium Bromide (CTAB) Stabilized Coronene Nanowires for the Fluorimetric detection of CR(VI): Analytical Validation Against Industrial Effluents</b><br>D. P. Bhopate, P. G. Mahajan, D. K. Dalvi, <b>A. H. Gore</b> , A. A. Kamble, S. M. Majhi, K. M. Garadkar, G. B. Kolekar, Y-T. Yub, S. R. Patil*<br>J. Pharm. Analysis, 6 (2016) 56-63, (I.F. = 14.026)                                     |
| 20 | <b>A Quantum Dots-Based Dual Fluorescent Probe for Recognition of Mercuric Ion and N-Acetylcysteine: "On- Off-On" Approach</b><br>Samadhan P. Pawar, Laxman S. Walekar, Uttam R. Kondekar, Datta B. Gunjal, <b>Anil H. Gore</b> , Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*<br>Anal. Methods, 8 (2016) 6512-6519 (I.F. = 3.532)                                                                  |
| 19 | <b>Sequence Selective Michael Addition for Synthesis of Indeno-Pyridine and Indeno-Pyran Derivatives in One- Pot Reaction Using CuO Nanoparticles in Water</b><br>Navanath J. Valekar, Prasad P. Patil, <b>Anil H. Gore</b> , Govind B. Kolekar, Madhukar B. Deshmukh and Prashant V. Anbhule*<br>J. Heterocyclic Chem., 52 (2016) 1669-1676 (I.F. = 2.035)                                                            |
| 18 | <b>Turn-on Fluorescence Probe for Selective and Sensitive Detection of D-Penicillamine by CdS Quantum Dots in Aqueous Media: Application to Pharmaceutical Formulation</b><br>Samadhan P. Pawar, <b>Anil H. Gore</b> , Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*                                                                                                                                 |

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|    | Sens. Actuators B-Chem., 209 (2014) 911-918 (I.F. = 9.22)                                                                                                                                                                                                                                                                                                                                                                                        |
| 17 | <b>Ultrasensitive, Highly Specific, Colorimetric Recognition of Sulfide Ions [S<sup>2-</sup>] in Aqueous Media: Applications to Environmental Analysis</b><br>Uttam R. Kondekar, Laxman S. Walekar, <b>Anil H. Gore</b> , Sung H. Han, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*<br>Anal. Methods, 7 (2015) 2547-2553 (I.F. = 3.532)                                                                                       |
| 16 | <b>Comparative Spectroscopic Studies on Binding Interaction of Theophylline with Human Hemoglobin: Mechanistic and Conformational Investigations</b><br>Minakshi V. Patil, <b>Anil H. Gore</b> , Sang H. Lee, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*<br>The International Journal of Science & Technology, 2 (2014) 202 (I.F. = 1.00)                                                                                   |
| 15 | <b>Trouble-Free Multicomponent Method for Combinatorial Synthesis of 2-Amino-4-phenyl-5-H-indeno[1,2- d]pyrimidine-5-one and Their Screening against Cancer Cell Lines</b><br>Ajinkya A. Patravale, <b>Anil H. Gore</b> , Dipti R Patil, Govind B. Kolekar, Madhukar B. Deshmukh and Prashant V. Anbhule*<br>Ind. Eng. Chem. Res., 53 (2014) 16568-16578 (I.F. = 4.326)                                                                          |
| 14 | <b>A Novel FRET Probe for Selective and Sensitive Determination of Vitamin B12 by Functionalized CdS QDs in Aqueous Media: Applications to Pharmaceutical and Biomedical Analysis</b><br><b>Anil H. Gore</b> , Meghanath B. Kale, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*<br>RSC Adv., 4 (2014) 683-692 (I.F. = 4.036)                                                                                                   |
| 13 | <b>Ultrasensitive, Highly Selective and Naked Eye Colorimetric Recognition of D-Penicillamine in Aqueous Media by CTAB Capped AgNPs as a Nanosensor: Applications to Pharmaceutical and Biomedical Analysis</b><br>Laxman S. Walekar, Uttam R. Kondekar, <b>Anil H. Gore</b> , Samadhan P. Pawar, V. Sudarsan, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*<br>RSC Adv., 4 (2014) 58481-58488 (I.F. = 4.036)                  |
| 12 | <b>Fluorescence Quenching Studies of CTAB Stabilized Perylene Nanoparticles for the Determination of Cr (VI) from Environmental Samples: Spectroscopic Approach</b><br>Dattaraj K. Dalavi, Dhanaji P. Bhopate, A. S. Bagawan, <b>Anil H. Gore</b> , Netaji K. Desai, Avinash A. Kamble, Prasad G. Mahajan, Govind B. Kolekar and Shivajirao R. Patil *<br>Anal. Methods, 6 (2014) 6948-6955 (I.F. = 3.532)                                       |
| 11 | <b>Development and Optimization of Multivariate RP-UPLC Method for Determination of Telmisartan and its Related Substances by Applying a Two-Level Factorial Design Approach: Application to Quality Control Study.</b><br>Nitin H. Dhekale, K. Hima Bindu, K. Y. Kiran Kumar, <b>Anil H. Gore</b> , Prashant V. Anbhule and Govind B. Kolekar*<br>Anal. Methods, 6 (2014) 5168-5182 (I.F. = 3.532)                                              |
| 10 | <b>A Novel Pyrimidine Derivative as a Fluorescent Chemosensor for Highly Selective Detection of Aluminum (III) in Aqueous Media</b><br>Vishwas D. Suryawanshi, <b>Anil H. Gore</b> , Pravin R. Dongare, Prashant V. Anbhule, Shivajirao R. Patil, Govind B. Kolekar*<br>Spectrochim. Acta Part A, 114 (2013) 681-686 (I.F. = 4.831)                                                                                                              |
| 9  | <b>Solvatochromic Fluorescence Behavior of 2-Amino-6-Hydroxy-4-(3,4-Dimethoxyphenyl)-Pyrimidine-5- Carbonitrile: A Sensitive Fluorescent Probe for Detection of pH and Water Composition in Binary Aqueous Solutions.</b><br>Vishwas D. Suryawanshi, <b>Anil H. Gore</b> , Laxman S. Walekar, Prashant V. Anbhule, Shivajirao R. Patil, Govind B. Kolekar*<br>J. Mol. Liquids, 184 (2013) 4-9 (I.F. = 6.633)                                     |
| 8  | <b>A Spectral Deciphering the Perturbation of Model Transporter Protein (HSA) by Antibacterial Pyrimidine Derivative: Pharmacokinetic and Biophysical Insight</b><br>Vishwas D. Suryawanshi, Prashant V. Anbhule, <b>Anil H. Gore</b> , Shivajirao R. Patil and Govind B. Kolekar*<br>J. Photochem. Photobiol., B, 118 (2013) 1-8 (I.F. = 6.252)                                                                                                 |
| 7  | <b>A Novel Colorimetric Probe for Highly Selective Recognition of Hg<sup>2+</sup> Ions in Aqueous Media Based on Inducing Aggregation of CPB Capped AgNPs: Accelerating the Direct Detection for Environmental Analysis</b><br>Laxman S. Walekar, <b>Anil H. Gore</b> , Prashant V. Anbhule, V. Sudarsan, Shivajirao R. Patil and Govind B. Kolekar*<br>Anal. Methods, 5 (2013) 5501-5507 (I.F. = 3.532)                                         |
| 6  | <b>Direct Detection of Sulfide Ions [S<sup>2-</sup>] in Aqueous Media Based on Fluorescence Quenching of Functionalized CdS QDs at Trace Levels: Analytical Applications to Environmental Analysis</b><br><b>Anil H. Gore</b> , Sandip B. Vatre, Prashant V. Anbhule, Sung-Hwan Han, Shivajirao R. Patil and Govind B. Kolekar*<br>Analyst, 138 (2013) 1329-1333 (I.F. = 4.616)                                                                  |
| 5  | <b>Highly Selective and Sensitive Recognition of Cobalt (II) Ions Directly in Aqueous Solution Using Carboxyl- Functionalized CdS QDs as a Naked Eye Colorimetric Probe: Applications to Environmental Analysis</b><br><b>Anil H. Gore</b> , Dattatray B. Gunjal, Mangesh R. Kokate, Vasanthakumaran Sudarsan, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*<br>ACS Appl. Mater. Interfaces, 4 (2012) 5217-5226 (I.F. = 10.38) |
| 4  | <b>Evaluation of Interparticle Interaction between Colloidal Ag Nanoparticles Coated with Trisodium Citrate and Safranin by Using FRET: Spectroscopic and Mechanistic Approach</b><br>Vidya V. Mokashi, <b>Anil H. Gore</b> , V. Sudarsan, Madhab C. Rath, Sung H. Han, Shivajirao R. Patil and Govind B. Kolekar*<br>J. Photochem. Photobiol., B, 113 (2012) 63-69 (I.F. = 6.252)                                                               |
| 3  | <b>Micellar-Mediated Binding Interaction between Perylene and DI-Phenylalanine: Insights from Spectroscopic Investigations</b><br>Sang Hak Lee, <b>Anil H. Gore</b> , Taslima Ferdous, Seikh Mafiz Alam and Govind B. Kolekar*<br>J. Mol. Liquids, 168 (2012) 12-16 (I.F. = 6.633)                                                                                                                                                               |
| 2  | <b>Spectroscopic Investigation on the Interaction of Pyrimidine Derivative, 2-Amino-6-Hydroxy-4-(3,4- Dimethoxyphenyl)-Pyrimidine-5-Carbonitrile with Human Serum Albumin: Mechanistic and Conformational Study</b><br>Vishwas D. Suryawanshi, Prashant V. Anbhule, <b>Anil H. Gore</b> , Shivajirao R. Patil and Govind B. Kolekar*<br>Ind. Eng. Chem. Res., 51 (2012) 95-102 (I.F. = 4.326)                                                    |
| 1  | <b>A Novel Method for Ranitidine Hydrochloride Determination in Aqueous Solution Based on Fluorescence Quenching of Functionalized CdS QDs through Photoinduced Charge Transfer Process: Spectroscopic Approach</b><br><b>Anil H. Gore</b> , Umesh S. Mote, Shahaji S. Tele, Prashant V. Anbhule, Madhab C. Rath, Shivajirao R. Patil and Govind B. Kolekar*                                                                                     |

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|  | Analyst, 136 (2011) 2606-2612 (I.F. = 4.616) |
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## RESEARCH PUBLICATIONS - PUBLISHED IN CONFERENCES/SYMPOSIA (01 NO.)

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>1</b> | <b>In Vitro Study of Ethyl-4-(3,4,5-trimethoxyphenyl)-2,7,7-trimethyl-5-oxo1,4,5,6,7,8-hexahydroquinoline-3- carboxylate and Bovine Serum Albumin Using Multi-Spectroscopic Techniques and Molecular Docking</b><br>Sunil D. Kumbhar, <b>Anil H. Gore</b> , Prafulla B. Choudhari, Nilotpal Barooah, Prashant V. Anbhule, Yogesh S. Sonavane, Govind B. Kolekar, and Anita J. Bodake* Third International Conference on Advances in Materials Science (ICAMS- 2018): 27th – 29th December 2018<br>Macromol. Symp., 387 (2019) 1800206 (I.F. = 0.85) |
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## PAPERS PRESENTED/ATTENDED IN CONFERENCES/SEMINARS/WORKSHOPS

|    |                                                                                                                                                                                                         |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 41 | Participated in The International Workshop on Advanced Materials (IWAM-2025) Ras Al Khaimab, United Arab Emirates from the 17 <sup>th</sup> - 19 <sup>th</sup> Feb 2025.                                |
| 40 | Participated (Presented by Student) in International Conference on "MICRO-2024" Arrecife (Lanzarote, Spain) from the 23 <sup>rd</sup> -27 <sup>th</sup> Sept 2024.                                      |
| 39 | Participated in International webinar on "Breaking Barriers in Science (GWB-2023)" KNM Nagpur & IUPAC 14 <sup>th</sup> Feb. 2023                                                                        |
| 38 | Visited, Sophisticated Analytical Instrumentation Facility (SAIF-DST) Centre at CFC, Shivaji University, Kolhapur, 6 <sup>th</sup> Feb. 2023                                                            |
| 37 | Completed one-week online FDP on "Research Methodology" SSM College, Majalgaon Beed, 26 <sup>th</sup> -30 <sup>th</sup> Sept. 2022                                                                      |
| 36 | Participated International webinar on "Sustainable Chemistry IWSC-2021" Association of Chemistry Teachers, TIFR, Mumbai, 18 <sup>th</sup> March 2021                                                    |
| 35 | Participated International conference on "Innovative Thinking in Science and Technology" YM College, Pune, 23 <sup>rd</sup> Feb 2021                                                                    |
| 34 | Participated International E-conference on "Chemistry Research and Competencies" Y.C. College of Science, Karad, 17 <sup>th</sup> August 2020                                                           |
| 33 | Completed one-week online FDP on "E-Content Development for Teaching and Learning" SGM College, Karad, 20-25th July 2020                                                                                |
| 32 | Participated in National Webinar on "Intellectual Property Rights (IPR)" Balasaheb Desai College, Patan, Satara, 18 <sup>th</sup> July 2020                                                             |
| 31 | Participated in National e-conference on "Progress in Material Science" Shrimant Babasaheb Deshmukh Mahavidyalaya, Atpadi, 13th July, 2020                                                              |
| 30 | Participated in "webinar on Sustainable Chemistry," Walchand College of Arts & Science, Solapur, 26 <sup>th</sup> June 2020                                                                             |
| 29 | Participated in National webinar on "Socio-Economic Impact of COVID-19" Prof. Dr. N. D. Patil Mahavidyalaya, Malkapur, 10th June 2020                                                                   |
| 28 | Participated in "Webinar for Faculty and Administrative Staff", Sangmeshwar College, Solapur, 2nd June 2020                                                                                             |
| 27 | Participated in the online "Corona Awareness Program", by IQAC, LBS, Satara, 6th May 2020                                                                                                               |
| 26 | Participated in the online "Corona Awareness Program", by IQAC, LBS, Satara, 6th May 2020                                                                                                               |
| 25 | Participated in, Chemical Workshop Series on Software in Chemical Science (CWSSCS-2021, National Webinar), UTU Bardoli, 18 <sup>th</sup> -20 <sup>th</sup> Dec. 2020                                    |
| 24 | Participated in, Green Chemistry for Sustainable Development (GCSD-2020, International E-Conference), JNRNV, Rajasthan & RSC, 25 <sup>th</sup> -26 <sup>th</sup> June 2020                              |
| 23 | Participated in, Chemistry & Chemical Engineering: Combating COVID-19 Crisis Together (CCECCT-2020, National Webinar), VJTI, Mumbai, 21-12th June 2020                                                  |
| 22 | Participated in, Skilling Teacher for Online Education (FDP-2020), UTU Bardoli, 2nd -6th June 2020.                                                                                                     |
| 21 | Participated in, Chemical Science Frontiers: The Virtual International Conference (CSF-2020), UTU Bardoli, 29th-30th May 2020.                                                                          |
| 20 | Participated in, Fundamental of Presentation & Personality Faculty (FDP-I-2020), CH&D, UTU Bardoli, 17th March-04th July 2020.                                                                          |
| 19 | Paper presented (Oral) in, National Conference on Multidisciplinary Research & Innovation in Science & Technology (NC-MRIST-2020), Shirpur, 5th & 6th January 2020.                                     |
| 18 | Paper presented (Poster) in, International Conference on Chemistry, Environment and Energy (ICCEE-2019, International), YCIS Satara, 16 <sup>th</sup> -18 <sup>th</sup> Feb., 2019.                     |
| 17 | Paper presented (Poster) in, International Conference on Materials & Environmental Science (ICMES-2018, International), New & Solankur College, Shivaji University, Kolhapur, 7th & 8th December, 2018. |
| 16 | Paper presented (Poster) in, International Conference on Advances in Chemical Sciences (ICACS-2018, International), Department of Chemistry, Shivaji University, Kolhapur, 1st-3rd February, 2018.      |
| 15 | Participated in, National Conference on Recent Trends in Nanomaterials (NCRTN-2017, National) Dept. of Nanoscience & Technology, Y.C.I.S, Satara, 28th September, 2017.                                 |
| 14 | Paper presented (Poster) in, Challenges and Opportunities Before 21 <sup>st</sup> Century, India (COCI-2016, International) R.C. Shahu College, Kolhapur, 6th & 7th February, 2016.                     |
| 13 | Paper presented (Poster) in, Recent Trends in Nanomaterial and Their Applications (RTNA-2015, National) Sangola College, Sangola, Solapur, 23rd & 24th January, 2015.                                   |
| 12 | Paper presented (Poster) in, Current Trends in Chemical & Nanosciences (CTCNS-2014, National), Department of Chemistry, Shivaji University, Kolhapur, 17th & 18th January, 2014.                        |
| 11 | Paper presented (Poster) in, Emerging Horizons in Biochemical Sciences & Nanomaterials (EHBCSN-2013, International), Shri. Shivaji Mahavidyalaya, Barshi, Solapur, 28th - 30th November, 2013.          |
| 10 | Paper presented (Poster) in, Current Research in Chemical Sciences (CRCS-2013, National) held at Shivaji University, Kolhapur, 22nd & 23rd January, 2013.                                               |
| 9  | Paper presented (Oral) in, National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN-2012, National), Shivaji University, Kolhapur, 21st & 22nd January, 2012.                |
| 8  | Paper presented (Poster) in, DAE-BRNS 11th Biennial, Trombay Symposium on Radiation & Photochemistry (TSRP-2012, International), BARC, Mumbai, 4th - 7th January, 2012.                                 |
| 7  | Poster presented in, VIth Maharashtra State Inter-University Research Convention (Avishkar 2011-12), Shivaji University, Kolhapur, 13th - 15th January, 2012.                                           |
| 6  | Paper presented (Oral) in, Professor Ram Chandra Paul International Conference on Recent Trends in Chemistry (ICETC-2011, International), Panjab University, Chandigarh, 11th & 12th February, 2011.    |
| 5  | Participated in National Seminar on Advances in Synthetic Methodologies and New Materials (ASNMN-2011, National), Shivaji University, Kolhapur, 21st & 22nd January, 2011.                              |
| 4  | Participated in, State Level Seminar on Recent Advances in Analytical Chemistry, Abasaheb Marathe Arts and New Commerce, Science College, Rajapur, 8th - 9th October, 2010.                             |
| 3  | Participated in, National Seminar on Advances in Co-ordination Chemistry, RCS College, Kolhapur, 17th - 18th August, 2010.                                                                              |

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|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Participated in, National Conference on Luminescence and its Applications (NCLA-2010, National) Gandhigram Rural Institute, Gandhigram (Tamil Nadu), 9th - 11th February, 2010. |
| 1 | Participated in, Advanced Synthetic Methodologies and Functional Material (ASMFM-2009, National), Shivaji University, Kolhapur during 23rd & 24th December, 2009.               |

## REFERENCES

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I do hereby declare that the statement made in this application are true, complete & correct to the best of my knowledge and belief.

Date:

Place: Bardoli (Surat)

Yours Faithfully,

(Dr. Gore A. H.)