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### CURRICULUM VITAE

**Date of birth** : February 23, 1972  
**Sex** : Male  
**Nationality** : Indian  
**Marital status** : Married

| Cited by  | All  | Since 2017 |
|-----------|------|------------|
| Citations | 3146 | 2199       |
| h-index   | 30   | 24         |
| i10-index | 66   | 52         |

**Orcid Id:** 0000-0002-5241-5350  
**Scopus Id:** 7102334562  
**Researcher Id:** C-7529-2012  
**Google Scholar Id:** ORpdUOQAAAAJ

<https://scholar.google.co.in/citations?user=ORpdUOQAAAAJ&hl=en>

#### Academic records:

1989-1992 : B.Sc. (Chemistry) Madurai Kamaraj University, Madurai, India  
1992-1994 : M.Sc. (Chemistry) Bharathidasan University, Tiruchirappalli, Tamil Nadu, India  
1995-2000 : Ph.D. (Chemistry) Madurai Kamaraj University, Madurai, India  
**Title:** "Electrochemical and Photochemical Studies of Molecules Incorporated in to Organized Assemblies".

#### Professional training and research experience:

November 2018 to January 2019 : DAAD Research Stay, IFW, Dresden Germany  
January 2015 to March 2015 : Commonwealth Fellow, University of Bath, Bath, UK  
October 2010 to October 2011 : Indo-US Science and Technology Forum Fellow  
St. Louis University, St. Louis, MO 63108, USA  
October 2002 to September 2003 : Postdoctoral Fellow, LCPME, Université Henri Poincaré  
Nancy, France  
May 2001 to May 2002 : Postdoctoral Fellow, Department of  
Chemistry, University of Houston, Houston, USA  
April 2000 to April 2001 : Senior Research Fellow (Extended)  
Madurai Kamaraj University, Madurai, India 625021  
November 1997 to March 2000 : Senior Research Fellow, Madurai Kamaraj University  
Madurai, India 625021  
March 1995 to October 1997 : Junior Research Fellow, Madurai Kamaraj University  
Madurai, India 625021

#### Employment:

May 2019 to till date : Professor, Department of Chemistry  
May 2016 to May 2019 : Associate Professor, Department of Chemistry  
May 2004 to May 2016 : Assistant Professor, Department of Chemistry, Banaras  
Hindu University, Varanasi-221 005, India

**Ph.D. students guided** : Completed seven, submitted one, and in progress six

#### Distinction / Honors:

Most Productive Researcher Award 2020 of the Institute of Science, BHU (2020)  
Visited Nanyang Technological University, Singapore under the DST-ASEAN project (Sept. 27-Oct. 10, 2019)  
Visited University of Malaya, Kuala Lumpur, Malaysia under the DST-ASEAN project (Oct.11-24, 2019)  
DAAD-Fellowship (Research Stay), IFW, Dresden, Germany (Nov.2018-Jan.2019).  
DST Travel grant to attend ISE-2018 (Electrochemistry from Knowledge to Innovation), Italy (Sept. 02-07, 2018).  
Commonwealth Fellowship, University of Bath, Bath, UK (Jan-March 2015).  
DST Travel grant to attend ISE-2014 (Ubiquitous Electrochemistry), Switzerland (Aug. 31-Sept. 05, 2014)  
Indo-US Science and Technology Forum Fellow, USA (2010-11)

Postdoctoral fellowship, Université Henri Poincaré, Nancy, France (2002-03)  
 Postdoctoral fellowship, University of Houston, Houston, TX, USA (2000-01)  
 CSIR-SRF-Extended (2000), CSIR-SRF (1997), and GATE (1994)

### Sponsored projects completed/ongoing

| Sponsoring Agency | Title of project                                                                                                                                                | Amount of grant | Period    | Co-investigators |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------|
| BHU               | A step towards cost-effective green energy: Development of non-precious metal based efficient materials for water splitting and fuel cells.                     | Rs. 10 Lakhs    | 2020-2022 | Nil              |
| DST-ASEAN         | Catalysts immobilized carbon/ polymer/ ceramic composite materials for energy storage applications and for electrocatalytic reduction of CO <sub>2</sub> .      | Rs. 32 Lakhs    | 2018-2019 | Nil              |
| CSIR, India       | Hydrodynamic voltammetry and electrocatalytic applications of novel electrochemical sensing platforms                                                           | Rs. 15 Lakhs    | 2013-2017 | Nil              |
| UGC, India        | Ion exchange voltammetry as a versatile technique for selective determination of target analytes using novel organic polymers and functionalized clay materials | Rs. 11 Lakhs    | 2013-2017 | Nil              |
| DST, India        | Electrocatalysis using organic-inorganic hybrid silica films modified electrodes                                                                                | Rs. 19 Lakhs    | 2007-2011 | Nil              |
| CSIR, India       | Photoinduced electron transfer reactions in novel silica-based organic-inorganic hybrid materials                                                               | Rs. 12 Lakhs    | 2007-2011 | Nil              |

### List of papers published/accepted in refereed journals

| S. No. | Authors                                                                                                                         | Title                                                                                                                                                                                                                                     | Name of the Journal                    | Volume | Year | Page no.                                                                                                              |
|--------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------|------|-----------------------------------------------------------------------------------------------------------------------|
| 112.   | A. Ramesh, S. Basu, V. Ganesan, P.K. Soni, S. Manivannan, J. Kandasamy, S.L. Hudson, and M.A. Shaz                              | Tuning the electrochemical capacitance of carbon nanosheets by optimizing its thickness through controlling the carbon precursor in salt-template                                                                                         | Energy Storage                         | 5      | 2023 | <a href="#">accepted</a><br><a href="https://doi.org/10.1002/est.2.445">https://doi.org/10.1002/est.2.445</a>         |
| 111.   | R.N. Gautam, A. Tiwari, S. Gupta, M.K. Bharty, V. Ganesan, S. Kumar, P. Bharti, R.J. Butcher                                    | Mn(II) complexes of 1,4-methoxy benzoyl-4-phenyl-3-thiosemicarbazide containing o-phenanthroline and 2,2-bipyridine as co-ligands: Synthesis, crystal structure, spectral characterization, photoluminescence and electrochemical studies | Journal of Molecular Structure         |        | 2023 | 134907<br><a href="https://doi.org/10.1016/j.molstruc.2023.134907">https://doi.org/10.1016/j.molstruc.2023.134907</a> |
| 110.   | A. Tiwari, M. Yadav, D.K. Singh, and <b>V. Ganesan*</b>                                                                         | Nafion-multi-walled carbon nanotubes supported tris(bipyridyl)iron(II) for nicotine detection                                                                                                                                             | Electroanalysis                        | 35     | 2023 | 2200106 (1-10)                                                                                                        |
| 109.   | M.K. Gond, S.K. Pandey, U. K. Chaudhari, P.K. Sonkar, M.K. Bharty*, V. Ganesan, B. Prashanth, and S. Singh                      | Synthesis, crystal structures and electrocatalytic water oxidation by Mn(II), Co(II) and Ni(II) complexes of thiophene-2-carbohydrazide                                                                                                   | Journal of Molecular Structure         | 1270   | 2022 | 133886 (1-11)                                                                                                         |
| 108.   | M.E. Joy, N.K. Sah, S. Phukan, <b>V. Ganesan</b> , N. Meeankshisundaram, M. Roy*, P.K. Sonkar*, S. Garai*, K. Sankaranarayanan* | Ultrafast detection of ammonia at room temperature and subsequent electrochemical water splitting via the ionic liquid templated nano nickel oxide                                                                                        | Materials Chemistry and Physics        | 290    | 2022 | 126537                                                                                                                |
| 107.   | V. Singh, P.S. Thakur, <b>V. Ganesan</b> *, and M. Sankar*                                                                      | Zn(II) porphyrin-based polymer facilitated electrochemical synthesis of green hydrogen peroxide                                                                                                                                           | Journal of Electroanalytical Chemistry | 919    | 2022 | 116536                                                                                                                |
| 106.   | S. Singh, M. Yadav, D.K. Singh, D.K. Yadav, P.K. Sonkar, and <b>V. Ganesan*</b>                                                 | One step synthesis of bimetallic (Ni and Co) metal-organic framework for the efficient electrocatalytic oxidation of water and hydrazine                                                                                                  | New Journal of Chemistry               | 46     | 2022 | 13422-13430                                                                                                           |

|      |                                                                                                                                     |                                                                                                                                                                                                                                                       |                                              |     |      |                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----|------|-----------------------------------------------------------------------------------------------------------------|
| 105. | Q.M. Junaid, D.K. Singh, <b>V. Ganesan</b> , and S. Sabiah*                                                                         | C2-Symmetric bisulfloximine based metal complexes: Synthesis, characterization and their electrocatalytic activity in oxygen reduction reaction                                                                                                       | Chemistry an Asian Journal                   | 17  | 2022 | e202200160 (1-10)                                                                                               |
| 104. | K. Nandy, A. Srivastava,* S. Afgan, R. Kumar,* D.K. Yadav, and <b>V. Ganesan</b> *                                                  | Trithiocarbonate mediated RAFT synthesis of a block copolymer: Silver nanoparticles integration and sensitive recognition of Hg <sup>2+</sup>                                                                                                         | Polymer Bulletin                             |     | 2022 | accepted<br><a href="https://doi.org/10.1007/s00289-022-04239-6">https://doi.org/10.1007/s00289-022-04239-6</a> |
| 103. | P. Kumar, P.K. Sonkar, K.N. Tiwari, A.K. Singh, S.K. Mishra, J. Dixit, <b>V. Ganesan</b> , J. Singh                                 | Sensing of mercury ion using light induced aqueous leaf extract mediated green synthesized silver nanoparticles of <i>Cestrum nocturnum</i> L.                                                                                                        | Environmental Science and Pollution Research | 29  | 2022 | 79995–80004                                                                                                     |
| 102. | Q.M. Junaid, D.K. Singh, <b>V. Ganesan</b> , and S. Sabiah*                                                                         | Biphenyl appended non-noble metal complexes as electrocatalysts for the electrochemical oxygen reduction reaction.                                                                                                                                    | Inorganica Chimica Acta                      | 534 | 2022 | 120822                                                                                                          |
| 101. | T. Kant, K. Shrivastava,* I. Karbhal, Monisha, S. Yadav, Tikeswari, S. Sahu, Y.K. Mahipal, and <b>V. Ganesan</b>                    | A graphene-printed paper electrode for determination of H <sub>2</sub> O <sub>2</sub> in municipal wastewater during the COVID-19 pandemic.                                                                                                           | New Journal of Chemistry                     | 46  | 2022 | 1362–1370                                                                                                       |
| 100. | D.K. Singh, M. Yadav, V. Ganesan,* and P.A. Bhohe                                                                                   | Co <sub>x</sub> (VO) <sub>y</sub> O <sub>z</sub> nanocrystals integrated covalent organic polymer as a highly active and durable catalyst for electrochemical water oxidation: An untold role of the VO <sup>2+</sup> /VO <sup>2+</sup> redox couple. | ACS Applied Energy Materials                 | 5   | 2022 | 2805–2816                                                                                                       |
| 99.  | M.K. Bharty*, A. Singh, P. Bharati, S.K. Pandey, D.K. Singh, <b>V. Ganesan</b> , P.K. Verma, A. Acharya, A. Bharti and R.J. Butcher | Electrocatalytic oxygen evolution and antiproliferative activity of Co(III) complexes stabilized by <i>in situ</i> generated bis(5-furan/phenyl-1,2,4-triazole)-3-sulfonamide                                                                         | Applied Organometallic Chemistry             | 35  | 2021 | e6495 (1-35)                                                                                                    |
| 98.  | D.K. Yadav, F.S. Omar, M. Yadav, X.L. Ho, M.E. Tessensohn, K. Ramesh, S. Ramesh,* R.D. Webster,* and <b>V. Ganesan</b> *            | Cobalt oxide decorated zirconium oxide immobilized multiwalled carbon nanotubes as scaffolds for supercapacitors and the CO <sub>2</sub> reduction reaction                                                                                           | Journal of Energy Storage                    | 43  | 2021 | 103312                                                                                                          |
| 97.  | R. Chaurasia, S.K. Pandey, D.K. Singh, M.K. Bharty*, <b>V. Ganesan</b> , S.K. Hira, P.P. Manna, A. Bharti, and R.J. Butcher         | Antiproliferative activity and electrochemical oxygen evolution by Ni(II) complexes of N'-(aroyl)-hydrazine carbodithioates                                                                                                                           | Dalton Transactions                          | 50  | 2021 | 14362–14373                                                                                                     |
| 96.  | T. Kant, K. Shrivastava*, K. Tapadia, R. Devi, <b>V. Ganesan</b> , and M.K. Deb                                                     | Inkjet-printed paper-based electrochemical sensor with gold nano-ink for detection of glucose in blood serum                                                                                                                                          | New Journal of Chemistry                     | 45  | 2021 | 8297-8305                                                                                                       |
| 95.  | S. Kumar, M. Singh, R. Pal, U.P. Azad*, A.K. Singh*, D.P. Singh, <b>V. Ganesan</b> , A.K. Singh and R. Prakash                      | Lanthanide based double perovskites: Bifunctional catalysts for oxygen evolution/reduction reactions<br>DOI: 10.1016/j.ijhydene.2021.02.141                                                                                                           | International Journal of Hydrogen Energy     | 46  | 2021 | 17163–17172                                                                                                     |
| 94.  | H. Ahmed, J. Pathak, Rajneesh, P.K. Sonkar, <b>V. Ganesan</b> , D.-P. Häder, and R.P. Sinha*                                        | Responses of a hot spring cyanobacterium under ultraviolet and photosynthetically active radiation: Photosynthetic performance, antioxidative enzymes mycosporine-like amino acid profiling and its antioxidative potentials                          | 3 Biotech                                    | 11  | 2021 | 10 (1-23)                                                                                                       |
| 93.  | D.K. Singh, <b>V. Ganesan</b> *, D.K. Yadav, M. Yadav, P.K. Sonkar and R. Gupta                                                     | Mesoporous carbon nitride supported 5,10,15,20-tetrakis(4-methoxyphenyl)-21H,23H-porphine cobalt(II) as a selective and durable electrocatalyst for the production of hydrogen peroxide via two-electron oxygen reduction                             | Catalysis Science and Technology             | 11  | 2021 | 1014–1026                                                                                                       |
| 92.  | D.K. Singh, <b>V. Ganesan</b> *, D.K. Yadav, and M. Yadav                                                                           | Metal (Mn, Fe, Co, Ni, Cu, and Zn) phthalocyanine-immobilized mesoporous carbon nitride materials as durable electrode modifiers for the oxygen reduction reaction                                                                                    | Langmuir                                     | 36  | 2020 | 12202–12212                                                                                                     |

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|-----|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|------|------------|
| 91. | D.K. Singh, <b>V. Ganesan*</b> , D.K. Yadav, and M. Yadav                                                                | Facile synthesis of sulfur-doped mesoporous carbon nitride supported defect-rich cobalt sulfide for electrocatalytic water oxidation                                                                                                                                       | Crystal Growth and Design                | 20  | 2020 | 6321–6328  |
| 90. | D.K. Yadav, D.K. Singh, and <b>V. Ganesan*</b>                                                                           | Recent strategy(ies) for the electrocatalytic reduction of CO <sub>2</sub> : Ni single-atom catalysts for the selective electrochemical formation of CO in aqueous electrolytes                                                                                            | Current Opinion in Electrochemistry      | 22  | 2020 | 87-93      |
| 89. | Anamika, D.K. Yadav, K.K. Manar, C.L. Yadav, K. Kumar, <b>V. Ganesan</b> , M.G.B. Drew and N. Singh*                     | New heteroleptic [Ni(II) 1,1-dithiolate-phosphine] complexes: Synthesis, characterization and electrocatalytic oxygen evolution studies                                                                                                                                    | Dalton Transactions                      | 49  | 2020 | 3592–3605  |
| 88. | M. Yadav, <b>V. Ganesan*</b> , R. Gupta, D.K. Yadav, and P.K. Sonkar                                                     | Amperometric assay of hydrazine utilizing electro-deposited cobalt hexacyanoferrate nano-crystals on graphene oxide sheets                                                                                                                                                 | Bulletin of Materials Science            | 43  | 2020 | 245 (1-9)  |
| 87. | D.K. Yadav, <b>V. Ganesan*</b> , R. Gupta, M. Yadav, and P.K. Rastogi                                                    | Sensitive determination of kojic acid in tomato sauces using Ni-Fe layered double hydroxide synthesized through Fe-MIL-88 metal-organic framework templated route                                                                                                          | Journal of Chemical Sciences             | 132 | 2020 | 69 (1-8)   |
| 86. | D.K. Yadav, <b>V. Ganesan*</b> , R. Gupta, M. Yadav, P.K. Sonkar, and P.K. Rastogi                                       | Copper oxide immobilized clay nano architectures as an efficient electrochemical sensing platform for hydrogen peroxide                                                                                                                                                    | Journal of Chemical Sciences             | 132 | 2020 | 68 (1-10)  |
| 85. | T. Kant, K. Shrivastava*, <b>V. Ganesan</b> , Y.K. Mahipal, R. Devi, M. Deb, and R. Shankar                              | Flexible printed paper electrode with silver nano-ink for electrochemical applications                                                                                                                                                                                     | Microchemical Journal                    | 155 | 2020 | 104687     |
| 84. | M. Yadav, P.K. Sonkar, K. Prakash, <b>V. Ganesan*</b> , M. Sankar, D.K. Yadav and R. Gupta                               | Insight into efficient bifunctional catalysis: Oxygen reduction and oxygen evolution reactions using MWCNTs based composites with 5,10,15,20-tetrakis(3',5'-dimethoxyphenyl)porphyrinato cobalt(II) and 5,10,15,20-tetrakis(3',5'-dihydroxyphenyl)porphyrinato cobalt(II). | International Journal of Hydrogen Energy | 45  | 2020 | 9710-9722  |
| 83. | M. Yadav, P. Singh, <b>V. Ganesan*</b> , R. Gupta, P.K. Sonkar and D.K. Yadav                                            | <i>In situ</i> electrochemical synthesis of a composite film containing nickel hexacyanoferrate and bentonite clay for the sensitive determination of acetaminophen and dopamine                                                                                           | Electroanalysis                          | 32  | 2020 | 248 –257   |
| 82. | R. Chaurasia, M.K. Bharti*, P. Nath, P.K. Sonkar, <b>V. Ganesan</b> , B. Maiti, A. Bharti, and R.J. Butcher              | Photophysical, electrochemical and TD-DFT studies of Ni(II) and Mn(II) complexes of N'-(2-methylfuran-3-carbonyl)hydrazine carbodithioic acid ethyl ester                                                                                                                  | Polyhedron                               | 174 | 2019 | 114160     |
| 81. | M.K. Bharti*, A. Bharti, R. Chaurasia, U.K. Chaudhari, S.K. Kushawaha, P.K. Sonkar, <b>V. Ganesan</b> , and R.J. Butcher | Synthesis and characterization of Mn(II) complexes of 4-phenyl(phenyl-acetyl)-3-thiosemicarbazide, 4-amino-5-phenyl-1,2,4-triazole-3-thiolate, and their application towards electrochemical oxygen reduction reaction                                                     | Polyhedron                               | 173 | 2019 | 114125     |
| 80. | M. Yadav, <b>V. Ganesan*</b> , B. Maiti*, R. Gupta, P.K. Sonkar, D.K. Yadav, A. Walcarius*                               | Sensitive determination of acetaminophen in the presence of dopamine and pyridoxine facilitated by their extent of interaction with single-walled carbon nanotubes                                                                                                         | Electroanalysis                          | 31  | 2019 | 2472 –2479 |
| 79. | M. Yadav, <b>V. Ganesan*</b> , R. Gupta, D.K. Yadav and P.K. Sonkar                                                      | Cobalt oxide nanocrystals anchored on graphene sheets for electrochemical determination of chloramphenicol                                                                                                                                                                 | Microchemical Journal                    | 146 | 2019 | 881-887    |
| 78. | <b>V. Ganesan*</b> , E. Madrid, R. Malpass-Evans, M. Carta, N.B. McKeown, and F. Marken*                                 | Biphasic Voltammetry and Spectroelectrochemistry in Polymer of Intrinsic Microporosity-4-(3-Phenylpropyl)-Pyridine Organogel   Aqueous Electrolyte Systems: Reactivity of MnPc versus MnTPP                                                                                | Electrocatalysis                         | 10  | 2019 | 295-304    |
| 77. | U.P. Azad M. Singh S.                                                                                                    | Facile synthesis of BSCF perovskite oxide as                                                                                                                                                                                                                               | International                            | 43  | 2018 | 20671-     |

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|-----|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----|------|-------------|
|     | Ghosh A.K. Singh*, <b>V. Ganesan</b> A.K. Singh and R. Prakash                                     | an efficient bifunctional oxygen electrocatalyst                                                                                                                                                                                                     | Journal of Hydrogen Energy                            |     |      | 20679       |
| 76. | R. Gupta, D.K. Yadav, <b>V. Ganesan</b> *, P.K. Sonkar and M. Yadav                                | Improving functional behavior of MCM-41 by encapsulating MnO <sub>2</sub> nanorods towards simultaneous determination of purine bases in DNA samples                                                                                                 | Electroanalysis                                       | 30  | 2018 | 2959-2966   |
| 75  | R. Gupta, P. Singh, <b>V. Ganesan</b> *, B. Koch, P.K. Rastogi, D.K. Yadav, P.K. Sonkar            | Palladium nanoparticles supported on mesoporous silica microspheres for enzyme-free amperometric detection of H <sub>2</sub> O <sub>2</sub> released from living cells                                                                               | Sensors and Actuators B                               | 276 | 2018 | 517-525     |
| 74. | P.K. Sonkar, <b>V. Ganesan</b> *, R. Gupta, D.K. Yadav and M. Yadav                                | Nickel phthalocyanine integrated graphene architecture as bifunctional electrocatalyst for CO <sub>2</sub> and O <sub>2</sub> reductions                                                                                                             | Journal of Electroanalytical Chemistry                | 826 | 2018 | 01-09       |
| 73. | D.K. Yadav, R. Gupta, <b>V. Ganesan</b> *, P.K. Sonkar and M. Yadav                                | Gold nanoparticles immobilized Zn-based metal-organic framework as novel multifunctional catalyst for oxygen reduction and hydrogen evolution reactions                                                                                              | ChemElectroChem                                       | 18  | 2018 | 2612-2619   |
| 72. | P.K. Sonkar, M. Yadav, K. Prakash, <b>V. Ganesan</b> *, M. Sankar, D.K. Yadav and R. Gupta         | Electrochemical sensing of rifampicin in pharmaceutical samples using meso-tetrakis(4-hydroxyphenyl)porphyrinato cobalt(II) anchored carbon nanotubes                                                                                                | Journal of Applied Electrochemistry                   | 48  | 2018 | 937-946     |
| 71. | A. Ghosale, K. Shrivastava*, M. K. Deb, <b>V. Ganesan</b> , I. Karbhal, P.K. Bajpai and R. Shankar | Low-cost screen printed glass electrode with silver nano-ink for electrochemical detection of H <sub>2</sub> O <sub>2</sub>                                                                                                                          | Analytical Methods                                    | 10  | 2018 | 3248-3255   |
| 70. | D. Pandiar*, H.C. Baranwal, K. Chattopadhyay, A.K. Choudhary, <b>V. Ganesan</b> , P.K. Sonkar      | Utilization of samanya shodhana in the purification of excess mercury obtained from dental operatory-A Preliminary study.                                                                                                                            | International Journal of Ayurveda and Pharma Research | 6   | 2018 | 8-13        |
| 69. | G. Maduraiveeran*, M. Sasidharan, and <b>V. Ganesan</b>                                            | Electrochemical sensor and biosensor platforms based on advanced nanomaterials for biological and biomedical applications.                                                                                                                           | Biosensors and Bioelectronics                         | 103 | 2018 | 113-129     |
| 68. | D.K. Yadav, <b>V. Ganesan</b> *, P.K. Sonkar and R. Gupta                                          | Templated synthesis of Ni-Fe layered double hydroxide for enhanced electrocatalytic water oxidation: a step towards the development of non-precious metal catalysts                                                                                  | ChemElectroChem                                       | 4   | 2017 | 3134-3139   |
| 67. | S. Paswan, M.K. Bharti*, P. Bharati, P.K. Sonkar, <b>V. Ganesan</b> and R. J. Butcher              | Square planar Ni(II) complexes of acetone N <sup>4</sup> -phenylthiosemicarbazone and <i>in situ</i> generated benzoyl thiosemicarbazide ligand: Synthesis, spectral and structural characterizations, thermal behaviour and electrochemical studies | New Journal of Chemistry                              | 41  | 2017 | 15466-15474 |
| 66. | P.K. Sonkar, <b>V. Ganesan</b> *, S.K.S. Gupta, D.K. Yadav, R. Gupta, and M. Yadav                 | Highly dispersed multiwalled carbon nanotubes coupled manganese salen nanostructure for simultaneous electrochemical sensing of vitamin B <sub>2</sub> and B <sub>6</sub>                                                                            | Journal of Electroanalytical Chemistry                | 807 | 2017 | 235-243     |
| 65. | D. Pandiar, H.C. Baranwal*, S. Kumar, <b>V. Ganesan</b> , P.K. Sonkar and K. Chattopadhyay         | Use of jaggery and honey as adjunctive cytological fixatives to ethanol for oral smears                                                                                                                                                              | Journal of Oral and Maxillofacial Pathology           | 21  | 2017 | 317 (1-7)   |
| 64  | L. Singh, U.P. Azad, S.P. Singh*, <b>V. Ganesan</b> , U.S. Rai and Y. Lee                          | Yttrium copper titanate as a highly efficient electrocatalyst for oxygen reduction reaction in fuel cells, synthesized via ultrafast automatic flame technique                                                                                       | Scientific Reports                                    | 7   | 2017 | 9407 (1-10) |
| 63. | P.K. Sonkar, <b>V. Ganesan</b> *, R.K. Singh, D.K. Yadav, R. Gupta and M. Yadav                    | Single walled carbon nanotubes decorated vanadyl phthalocyanine composite for electrochemical oxygen reduction in fuel cells                                                                                                                         | Indian Journal of Chemistry Section A                 | 56A | 2017 | 821-825     |
| 62. | D.K. Yadav, R. Gupta, <b>V.</b>                                                                    | Individual and simultaneous voltammetric                                                                                                                                                                                                             | Microchimica Acta                                     | 184 | 2017 | 1951-       |

|     |                                                                                              |                                                                                                                                                                                    |                                     |     |      |               |
|-----|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----|------|---------------|
|     | <b>Ganesan*</b> , and P.K. Sonkar                                                            | determination of ascorbic acid, uric acid and folic acid by using a glassy carbon electrode modified with gold nanoparticles linked to bentonite <i>via</i> cysteine groups        |                                     |     |      | 1957          |
| 61. | R. Dubey, R. Yerrasani, M. Karunakar, A. K. Singh, R. Gupta, <b>V. Ganesan</b> and T.R. Rao* | Benzimidazole based mesogenic Schiff-bases: Synthesis and characterization                                                                                                         | Journal of Molecular Liquids        | 240 | 2017 | 106-114       |
| 60. | P.K. Sonkar, K. Prakash, M. Yadav, <b>V. Ganesan*</b> , M. Sankar, R. Gupta, and D.K. Yadav  | Co(II)-porphyrins decorated carbon nanotubes as catalysts for oxygen reduction reactions: An approach for fuel cell improvement                                                    | Journal of Materials Chemistry A    | 5   | 2017 | 6263-6276     |
| 59. | P.K. Rastogi, <b>V. Ganesan*</b> , R. Gupta, P. Singh, P.K. Sonkar and D.K. Yadav            | Potassium ferricyanide incorporated branched polyethylenimine as potential scaffold for electrocatalytic reduction and amperometric sensing of nitrite                             | Journal of Applied Electrochemistry | 47  | 2017 | 95-104        |
| 58. | A. Ghosale, K. Shrivastava*, R. Shankar and <b>V. Ganesan</b>                                | Low cost paper electrode fabricated by direct writing with silver nanoparticles based ink for detection of hydrogen peroxide in waste water                                        | Analytical Chemistry                | 89  | 2017 | 776-782       |
| 57. | R. Gupta, P.K. Rastogi, <b>V. Ganesan*</b> , D.K. Yadav and P.K. Sonkar                      | Gold nanoparticles decorated mesoporous silica microspheres: a proficient electrochemical sensing scaffold for hydrazine and nitrobenzene                                          | Sensors and Actuators B             | 239 | 2017 | 970–978       |
| 56. | P.K. Sonkar, <b>V. Ganesan*</b> , D.K. Yadav and R. Gupta                                    | Dual electrocatalytic behavior of oxovanadium(IV) salen immobilized carbon materials towards cysteine oxidation and cystine reduction: Graphene vs. single walled carbon nanotubes | ChemistrySelect                     | 1   | 2016 | 6726–6734     |
| 55. | P.K. Sonkar, <b>V. Ganesan*</b> , S.A. John*, D.K. Yadav and R. Gupta                        | Non-enzymatic electrochemical sensing platform based on metal complex immobilized carbon nanotubes for glucose determination                                                       | RSC Advances                        | 6   | 2016 | 107094-107103 |
| 54. | D.K. Yadav, <b>V. Ganesan*</b> , F. Marken*, R. Gupta and P.K. Sonkar                        | Metal@MOF materials in electroanalysis: silver-enhanced oxidation reactivity towards nitrophenols adsorbed into a zinc metal organic framework - Ag@MOF-5(Zn)                      | Electrochimica Acta                 | 219 | 2016 | 482–491       |
| 53. | P.K. Sonkar, <b>V. Ganesan*</b> , R. Gupta and D.K. Yadav                                    | Simple route to anchor silver nanoparticles into thiol-functionalized mesoporous silica: Synthesis, characterization and electrochemical applications                              | Journal of Nanoparticle Research    | 18  | 2016 | 297 (1-11)    |
| 52. | U.P. Azad, D.K. Yadav, <b>V. Ganesan*</b> and F. Marken*                                     | Hydrophobicity effects in iron polypyridyl complex electrocatalysis within Nafion thin-film electrodes                                                                             | Physical Chemistry Chemical Physics | 18  | 2016 | 23365-23373   |
| 51. | P.K. Sonkar, <b>V. Ganesan*</b> and A. Prajapati                                             | Polymeric Co(salen) scaffold for the electrochemical determination of acetaminophen in pharmaceutical sample                                                                       | Ionics                              | 22  | 2016 | 1741-1749     |
| 50. | R. Gupta, P.K. Rastogi, U. Srivastava, <b>V. Ganesan*</b> , P.K. Sonkar and D.K. Yadav       | Methylene blue incorporated mesoporous silica microspheres based sensing scaffold for the selective voltammetric determination of riboflavin                                       | RSC Advances                        | 6   | 2016 | 65779 - 65788 |
| 49. | A. Ghosale, R. Shankar, <b>V. Ganesan</b> and K. Shrivastava*                                | Direct-writing of paper based conductive track using silver nano-ink for electroanalytical application                                                                             | Electrochimica Acta                 | 209 | 2016 | 511–520       |
| 48. | D.K. Yadav, <b>V. Ganesan*</b> , P.K. Sonkar, R. Gupta and P.K. Rastogi                      | Electrochemical investigation of gold nanoparticles incorporated zinc based metal-organic framework for selective recognition of nitrite and nitrobenzene                          | Electrochimica Acta                 | 200 | 2016 | 276-282       |
| 47. | P.K. Rastogi, D.K. Yadav, S. Pandey, <b>V. Ganesan*</b> P.K. Sonkar and R. Gupta             | Synthesis and characterization of gold nanoparticles incorporated bentonite clay for electrocatalytic sensing of arsenic(III)                                                      | Journal of Chemical Sciences        | 128 | 2016 | 349-356       |

|     |                                                                                                                                               |                                                                                                                                                                              |                                           |      |      |                   |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|-------------------|
| 46. | D. K. Yadav, R. Gupta, <b>V. Ganesan*</b> , P.K. Sonkar and P.K. Rastogi                                                                      | Electrochemical sensing platform for hydrogen peroxide determination at low reduction potential using silver nanoparticles incorporated bentonite clay                       | Journal of Applied Electrochemistry       | 46   | 2016 | 103-112           |
| 45  | P.K. Rastogi, <b>V. Ganesan*</b> and U.P. Azad                                                                                                | Electrochemical determination of nanomolar levels of isoniazid in pharmaceutical formulation using silver nanoparticles decorated copolymer                                  | Electrochimica Acta                       | 188  | 2016 | 818-824           |
| 44. | P.K. Rastogi, R. Gupta, S. Prakash and <b>V. Ganesan*</b>                                                                                     | Non-enzymatic determination of uric acid by ion exchange voltammetry at a permselective electrochemical sensing platform                                                     | Analytical Chemistry Letters              | 5    | 2015 | 127-134           |
| 43. | S. Abraham, S. Srivastava, V. Kumar, S. Pandey, P.K. Rastogi, S. Srivastava, V. N. Singh, <b>V. Ganesan</b> , P.S. Saxenag and A. Srivastava* | Enhanced electrochemical biosensing efficiency of a silica particles supported partially reduced graphene oxide matrix for label free and sensitive detection of cholesterol | Journal of Electroanalytical Chemistry    | 757  | 2015 | 65-72             |
| 42. | P.K. Sonkar, <b>V. Ganesan*</b>                                                                                                               | Synthesis and characterization of silver nanoparticles anchored amine functionalized mesoporous silica for electrocatalytic determination of nitrite                         | Journal of Solid State Electrochemistry   | 19   | 2015 | 2107-2115         |
| 41. | R. Gupta, and <b>V. Ganesan*</b>                                                                                                              | Gold nanoparticles impregnated mesoporous silica spheres for simultaneous and selective determination of uric acid and ascorbic acid                                         | Sensors and Actuators B                   | 219  | 2015 | 139-145           |
| 40. | P. K. Rastogi, <b>V. Ganesan*</b>                                                                                                             | Palladium nanoparticles incorporated organic-Inorganic hybrid material for electrocatalytic oxygen reduction                                                                 | Energy and Environment Focus              | 4    | 2015 | 221-225           |
| 39. | R. Gupta, and <b>V. Ganesan*</b>                                                                                                              | Gold nanoparticles immobilized mesoporous silica material as cathodic electrocatalyst in fuel cells                                                                          | Energy and Environment Focus              | 4    | 2015 | 209-213           |
| 38. | <b>V. Ganesan*</b>                                                                                                                            | Functionalized silica materials for electrocatalysis                                                                                                                         | Journal of Chemical Sciences              | 127  | 2015 | 307-313           |
| 37. | U.P.Azad, N. Prajapati and <b>V. Ganesan*</b>                                                                                                 | Selective determination of isoniazid using bentonite clay modified electrodes                                                                                                | Bioelectrochemistry                       | 101  | 2015 | 120-125           |
| 36. | P.K. Sonkar, <b>V. Ganesan*</b> and V. Rao                                                                                                    | Electrocatalytic oxidation and determination of cysteine at oxovanadium(IV) salen coated electrodes                                                                          | International Journal of Electrochemistry | 2014 | 2014 | Article ID 316254 |
| 35. | P. K. Rastogi, <b>V. Ganesan*</b> , and S. Krishnamoorthi                                                                                     | Palladium nanoparticles incorporated polymer-silica nanocomposite based electrochemical sensing platform for nitrobenzene detection                                          | Electrochimica Acta                       | 147  | 2014 | 442-450           |
| 34. | V. Azmeera, P.K. Rastogi, P. Adhikary, <b>V. Ganesan</b> , and S. Krishnamoorthi*                                                             | Synthesis, characterization and cyclic voltammetric study of copper(II) and nickel(II) polymer chelates                                                                      | Carbohydrate Polymers                     | 110  | 2014 | 388-395           |
| 33. | U.P. Azad, S. Turlapati, P.K. Rastogi and <b>V. Ganesan*</b>                                                                                  | Tris(1,10-phenanthroline)iron(II)-bentonite film as efficient electrochemical sensing platform for nitrite determination                                                     | Electrochimica Acta                       | 127  | 2014 | 193-199           |
| 32. | P. K. Rastogi, <b>V. Ganesan*</b> and S. Krishnamoorthi*                                                                                      | Palladium nanoparticles decorated gaur gum based hybrid material for electrocatalytic hydrazine determination                                                                | Electrochimica Acta                       | 125  | 2014 | 593-600           |
| 31. | <b>V. Ganesan*</b> , M. Pal and M. Tiwari                                                                                                     | Manganese Schiff base complex immobilized silica materials for electrocatalytic oxygen reduction                                                                             | Bulletin of Materials Science             | 37   | 2014 | 623-628           |
| 30. | U.P. Azad and <b>V. Ganesan*</b>                                                                                                              | Tris(4,4'-dimethyl-2,2'-bipyridine)iron(II) immobilized Nafion® for arsenite determination in water samples                                                                  | ChemElectroChem                           | 1    | 2014 | 379-383           |
| 29. | P. K. Rastogi, <b>V. Ganesan*</b> and S. Krishnamoorthi                                                                                       | A promising electrochemical sensing platform based on silver nanoparticles decorated copolymer for sensitive nitrite determination                                           | Journal of Materials Chemistry A          | 2    | 2014 | 933-943           |
| 28. | U.P. Azad and <b>V. Ganesan*</b>                                                                                                              | Electrocatalytic oxidation and sensitive determination of glycine at poly(Ni <sup>II</sup> teta)                                                                             | Sensor Letters                            | 11   | 2013 | 1490-1495         |

|     |                                                                              |                                                                                                                                                                    |                                         |     |      |             |
|-----|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----|------|-------------|
|     |                                                                              | modified electrodes                                                                                                                                                |                                         |     |      |             |
| 27. | <b>V. Ganesan*</b> , P.K. Rastogi, R. Gupta, M.T. Meredith and S.D. Minteer* | Ion exchange voltammetry at branched polyethylenimine cross-linked with ethylene glycol diglycidyl ether and sensitive determination of ascorbic acid              | Electrochimica Acta                     | 105 | 2013 | 31-39       |
| 26. | M. Pal, <b>V. Ganesan*</b> and U. P. Azad                                    | Photochemical oxygen reduction by zinc phthalocyanine and silver/gold nanoparticles incorporated silica thin films                                                 | Thin Solid Films                        | 521 | 2012 | 172-176     |
| 25. | M. Pal and <b>V. Ganesan*</b>                                                | Electrocatalytic activity of cobalt Schiff base complex immobilized silica materials towards oxygen reduction and hydrazine oxidation                              | Catalysis Science & Technology          | 2   | 2012 | 2383-2388   |
| 24. | P. K. Rastogi, <b>V. Ganesan*</b> and S. Krishnamoorthi                      | Ion exchange voltammetry at permselective copolymer modified electrode and its application for the determination of catecholamines                                 | Journal of Electroanalytical Chemistry  | 676 | 2012 | 13-19       |
| 23. | U. P. Azad and <b>V. Ganesan*</b>                                            | Efficient electrocatalytic oxidation and selective determination of isoniazid by Fe(tmphen) <sub>3</sub> <sup>2+</sup> -exchanged Nafion®-modified electrode       | Journal of Solid State Electrochemistry | 16  | 2012 | 2907-2911   |
| 22. | M. Pal and <b>V. Ganesan*</b>                                                | Effect of gold nanoparticles on the electrocatalytic reduction of oxygen by silica encapsulated cobalt phthalocyanine                                              | Journal of Electroanalytical Chemistry  | 672 | 2012 | 07-11       |
| 21. | P. K. Rastogi, <b>V. Ganesan*</b> and S. Krishnamoorthi*                     | Microwave assisted polymer stabilized synthesis of silver nanoparticles and its application in the degradation of environmental pollutants                         | Materials Science and Engineering B     | 177 | 2012 | 456-461     |
| 20. | P.K. Rastogi, S. Krishnamoorthi* and <b>V. Ganesan*</b>                      | Synthesis, characterization and ion exchange voltammetry study on 2-acrylamido-2-methylpropane sulphonic acid and N-(hydroxymethyl) acrylamide based copolymer     | Journal of Applied Polymer Science      | 123 | 2012 | 929-935     |
| 19. | U.P. Azad and <b>V. Ganesan*</b> M. Pal                                      | Catalytic reduction of organic dyes at gold nanoparticles impregnated silica materials: influence of functional groups and surfactants                             | Journal of Nanoparticle Research        | 13  | 2011 | 3951-3959   |
| 18. | U. P. Azad and <b>V. Ganesan*</b>                                            | Determination of hydrazine by polyNi(II) complex modified electrodes with a wide linear calibration range                                                          | Electrochimica Acta                     | 56  | 2011 | 5766-5770   |
| 17. | M. Pal and <b>V. Ganesan*</b>                                                | Electrochemical determination of nitrite using silver nanoparticles modified electrode                                                                             | Analyst                                 | 135 | 2010 | 2711-2716   |
| 16. | U. P. Azad and <b>V. Ganesan*</b>                                            | Efficient sensing of nitrite by Fe(bpy) <sub>3</sub> <sup>2+</sup> immobilized Nafion modified electrodes.                                                         | Chemical Communications                 | 46  | 2010 | 6156-6158   |
| 15. | M. Pal and <b>V. Ganesan*</b>                                                | Effect of silver nanoelectrode ensembles on the electrocatalytic reduction of NO <sub>2</sub> <sup>-</sup> by zinc phthalocyanine.                                 | Electrochimica Acta                     | 55  | 2010 | 4071-4077   |
| 14. | U. P. Azad and <b>V. Ganesan*</b>                                            | Influence of metal nanoparticles on the electrocatalytic oxidation of glucose by poly(Ni <sup>II</sup> teta) modified electrodes.                                  | Electroanalysis                         | 22  | 2010 | 575-583     |
| 13. | M. Pal and <b>V. Ganesan*</b>                                                | Zinc phthalocyanine and silver / gold nanoparticles incorporated MCM-41 type materials as electrode modifiers.                                                     | Langmuir                                | 25  | 2009 | 13264-13272 |
| 12. | <b>V. Ganesan</b> and A. Walcarius*                                          | Ion exchange and ion exchange voltammetry with functionalized mesoporous silica materials.                                                                         | Materials Science and Engineering B     | 149 | 2008 | 123-132     |
| 11. | A. Walcarius* and <b>V. Ganesan</b>                                          | Ion-exchange properties and electrochemical characterization of quaternary ammonium-functionalized silica microspheres obtained by the surfactant templated route. | Langmuir                                | 22  | 2006 | 469-477     |
| 10. | <b>V. Ganesan</b> and A. Walcarius*                                          | Surfactant templated sulfonic acid functionalized silica microspheres as efficient ion exchangers and electrode modifiers.                                         | Langmuir                                | 20  | 2004 | 3632-3640   |

|    |                                                              |                                                                                                                                                                           |                                                           |     |      |           |
|----|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----|------|-----------|
| 9. | A. Walcarius*, <b>V. Ganesan</b> , O. Lariou and V. Vatchev* | Low temperature synthesis of zeolite films on glassy carbon: towards designing selective electrochemical devices.                                                         | Electroanalysis                                           | 16  | 2004 | 1550-1554 |
| 8. | <b>V. Ganesan</b> , S. V. Rosakha, and J. K. Kochi*          | Isolation of the latent precursor complex in electron-transfer dynamics: Intermolecular association and self-exchange with acceptor anion radicals.                       | Journal of the American Chemical Society                  | 125 | 2003 | 2559-2571 |
| 7. | R. Ramaraj*, V. M. Kumar, C. R. Raj and <b>V. Ganesan</b>    | Cyclodextrin inclusion complexes of aromatic amines and nitrocompounds and their photoinduced electron transfer reaction with tris(2,2'-bipyridine)ruthenium(II) complex. | Journal of Inclusion Phenomenon and Macrocyclic Chemistry | 40  | 2001 | 99-104    |
| 6. | <b>V. Ganesan</b> , S. A. John and R. Ramaraj*               | Multielectrochromic properties of methylene blue and phenosafranin dyes incorporated into Nafion film.                                                                    | Journal of Electroanalytical Chemistry                    | 502 | 2001 | 167-173   |
| 5. | <b>V. Ganesan</b> and R. Ramaraj*                            | Electrocatalytic oxidation of hydrogen peroxide by poly(Ni <sup>II</sup> -teta) modified electrodes.                                                                      | Journal of Applied Electrochemistry                       | 31  | 2001 | 585-590   |
| 4. | <b>V. Ganesan</b> and R. Ramaraj                             | Spectral properties of proflavin in zeolite-L and zeolite-Y.                                                                                                              | Journal of Luminescence                                   | 92  | 2001 | 167-173   |
| 3. | <b>V. Ganesan</b> and R. Ramaraj*                            | <i>In situ</i> spectroelectrochemical studies of phenothiazine dyes at clay coated electrodes.                                                                            | Journal of Electroanalytical Chemistry                    | 490 | 2000 | 54-61     |
| 2. | <b>V. Ganesan</b> and R. Ramaraj*                            | Mediated reduction of oxygen at poly(phenosafranin) modified electrodes.                                                                                                  | Journal of Applied Electrochemistry                       | 30  | 2000 | 757-760   |
| 1. | <b>V. Ganesan</b> and R. Ramaraj*                            | Extra zeolite electron transfer at zeolite encapsulated polypyridyl metal complexes coated electrode.                                                                     | Langmuir                                                  | 14  | 1998 | 2497-2501 |

### List of book chapters published/accepted

| S. No. | Authors                                                    | Chapter Title                                                                                                                         | Name of the Book                                                                                                                                                                       | Publisher                     | Year                     | ISBN              |
|--------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------|-------------------|
| 3.     | D.K. Yadav, R. Gupta, <b>V. Ganesan</b> *, and R. Ramaraj* | Effect of structural modifications on the oxygen reduction reaction properties of metal-organic framework-based catalysts (chapter 8) | Metal-organic framework-based nanomaterials for energy applications. <b>Editors:</b> T.A. Nguyen, G. Yasin, and R. Gupta.                                                              | Elsevier                      | 2022<br>pages<br>165-184 | 978-0-323-91179-5 |
| 2.     | M. Yadav, D.K. Singh, <b>V. Ganesan</b> *, and R. Ramaraj  | Functionalization of carbon-based materials for the electrochemical sensing applications. (chapter 13)                                | Versatile solicitations of materials science in diverse science fields. <b>Editors:</b> M. Tripathi, A. Srivastava, and K. Awasthi                                                     | Nova Science publishers, Inc. | 2021                     | 978-1-53619-798-3 |
| 1.     | P.K. Sonkar and <b>V. Ganesan</b> *                        | Metal oxide-carbon nanotubes nanocomposite-modified electrochemical sensors for toxic chemicals. (chapter 8)                          | Metal oxides in nanocomposite-based electrochemical sensors for toxic chemicals. <b>Editors:</b> A. Pandikumar and P. Rameshkumar<br><i>Metal oxides series Editor:</i> G. Korotcenkov | Elsevier                      | 2021                     | 978-0-12-820727-7 |

### Invited talks delivered

| S.No. | Authors           | Title of the paper presented                                                                                      | Name of the Conference                                                         | Venue                                                                                                  | Date and Page no.             |
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| 16.   | <b>V. Ganesan</b> | Highly dispersed metal porphyrins/phthalocyanines on various supports to replace Pt-based catalysts in fuel cells | International Conference on Energy Materials and Devices (ICEMD-2022) (online) | Department of Physics (MMV) Banaras Hindu University Varanasi – 221005<br><b>(online presentation)</b> | Jan.11-12 (online), 2022, 1-2 |
| 15.   | <b>V. Ganesan</b> | Metal porphyrins and                                                                                              | 58 <sup>th</sup> Annual Convention of                                          | Department of Chemistry,                                                                               | Dec. 21-24,                   |

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|     |                                   | phthalocyanines on porous supports for the electrocatalytic oxygen reduction reaction                                                        | Chemists (ACC-2021), & International Conference on Recent Trends in Chemical Sciences (RTCS-2021) Inorganic Chemistry Section (online)     | Indian Institute of Technology Guwahati<br><b>(online presentation)</b>                                                                                                                              | 2021 (online), L7, Page.11-12        |
| 14. | <b>V. Ganesan</b>                 | Electroanalytical methods: Certain selected techniques                                                                                       | On the occasion of University Foundation Day-2021 (Madan Mohan Malaviya University of Technology, Gorakhpur) (online)                      | Chemistry and Environmental Science Department, Madan Mohan Malaviya University of Technology, Gorakhpur,<br><b>(online presentation)</b>                                                            | December 01, 2021 (online).          |
| 13. | <b>V. Ganesan</b>                 | Electroanalytical Methods: Linear Sweep and Pulse Techniques.                                                                                | Summer Internship on Recent advances in Chemical Science (online)                                                                          | Department of Chemistry, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai-600048<br>Course duration: July 01-31, 2021 <b>(online presentation on July 31, 2021)</b> | Day of talk: July 31, 2021 (online). |
| 12. | <b>V. Ganesan and D.K. Yadav</b>  | Metal organic frameworks and their composites for electrochemical sensing                                                                    | 3 <sup>rd</sup> Asian Conference on Chemosensors and Imaging Probes (AsianChIP – 2019)                                                     | Department of Chemistry, Guru Nanak Dev University, Amritsar-143005, Punjab, India                                                                                                                   | Nov. 06-09, 2019, IL 19              |
| 11. | <b>V. Ganesan</b>                 | Cost efficient electrocatalysts for oxygen reduction<br>ISBN 978-93-86712-63-9                                                               | Research Initiatives in Chemistry for Sustainable Development (RICS-2019)                                                                  | Department of Chemistry Gandhigram Rural Institute, Gandhigram, Tamilnadu, India                                                                                                                     | March 18 and 19, 2019 IL, 9          |
| 10. | <b>V. Ganesan</b>                 | Importance of electrocatalysis in the development of amperometric sensors                                                                    | 20 <sup>th</sup> National Convention of Electrochemists (NCE-20) Society for Advancement of Electrochemical Science and Technology (SAEST) | Vellore Institute of Technology, Vellore                                                                                                                                                             | June 7 and 8, 2018 IL.10, 26         |
| 9.  | <b>V. Ganesan and P.K. Sonkar</b> | Non-platinum based oxygen reduction electrocatalysts for fuel cells: emerging trends                                                         | 13 <sup>th</sup> International Conference on Electrochemistry in Advanced Materials, Corrosion and Radiopharmaceuticals (CEAMCR-2018)      | DAE Convention Centre, Anushaktinagar, Mumbai – 400094, India                                                                                                                                        | February 15-17, 2018 IT-40, 60.      |
| 8.  | <b>P.K. Sonkar and V. Ganesan</b> | Simultaneous determination of vitamin B <sub>2</sub> and B <sub>6</sub> using multiwalled carbon nanotubes-manganese(II) salen nanocomposite | Fourth International Conference on Nanostructured Materials and Nanocomposites (ICNM-2017)                                                 | Institute of Macromolecular Science and Engineering, Kottayam, Kerala, India                                                                                                                         | February 10-12, 2017, IL67.          |
| 7.  | <b>V. Ganesan</b>                 | Electrochemical recognition of target analytes by ordered mesoporous silica microspheres                                                     | New Frontier Areas in Chemistry (NFAC- 2016)                                                                                               | Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi, India                                                                                                                            | Dec. 20, 2016                        |
| 6.  | <b>V. Ganesan</b>                 | Polymer stabilized metal nanoparticles for electrocatalytic applications                                                                     | International Conference on Recent Advances in Material and Chemical Sciences                                                              | Department of Chemistry Gandhigram Rural Institute, Gandhigram, Tamilnadu, India                                                                                                                     | Dec. 14-15, 2015, pages              |
| 5.  | <b>V. Ganesan</b>                 | Applications of ordered mesoporous silica microspheres in the electrochemical recognition of target analytes                                 | International Conference on Nanomaterials for Energy, Environment, Catalysis and Sensors                                                   | Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai                                                                                                           | Dec. 11-12, 2015, IL13 (22)          |
| 4.  | <b>V. Ganesan</b>                 | Electrocatalysis using nanostructured materials                                                                                              | National conference on Nanochemistry                                                                                                       | Department of Chemistry, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad                                                                                               | Nov. 11 and 12, 2014, P 06           |

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|----|------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 3. | <b>V. Ganesan</b>            | Electrocatalytic materials to replace Pt in fuel cells                               | 18 <sup>th</sup> National Convention of Electrochemists (NCE-18) on Emerging Trends in Electrochemical Engineering Science and Technology (ETEST-2014) | Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai                                                | July 23-24, 2014, P 21  |
| 2. | <b>V. Ganesan</b>            | Functionalized silica materials for electrocatalysis                                 | Symposium on Modern Trends in Inorganic Chemistry (MTIC-XV)                                                                                            | Department of Chemistry, IIT, Roorkee                                                                                                     | Dec. 13-16, 2013, P 117 |
| 1. | <b>V. Ganesan and M. Pal</b> | Functionalized organic-inorganic hybrid materials for electroanalytical applications | 5th Indo-German Frontiers of Engineering Symposium INDOGFOE-2013                                                                                       | Pragathi resorts, Hyderabad on behalf of International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad | March 14-17, 2013 p42   |

### Papers presented in academic conferences (International)

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| 57.   | S. Singh and <b>V. Ganesan*</b>                          | Electrocatalytic oxidation and sensitive determination of hydrazine using bimetallic metal-organic frameworks             | Modern Trends In Inorganic Chemistry , MTIC-XIX                                                                                                         | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi            | Dec. 15-17, 2022 P. 538        |
| 56.   | V. Singh, <b>V. Ganesan,*</b> P. S. Thakur and M. Sankar | Polymerisation-facilitated selective two-electron electrocatalytic oxygen reduction reaction                              | Modern Trends In Inorganic Chemistry , MTIC-XIX                                                                                                         | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi            | Dec. 15-17, 2022 P. 537        |
| 55.   | V. Rathour and <b>V. Ganesan*</b>                        | Biomass-derived nitrogen-rich carbon material as durable electrode modifier for efficient electrocatalysis                | Modern Trends In Inorganic Chemistry , MTIC-XIX                                                                                                         | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi            | Dec. 15-17, 2022 P. 539        |
| 54.   | D.K. Singh and <b>V. Ganesan*</b>                        | Influence of vanadium on the cobalt oxide electrocatalysed oxygen evolution reaction                                      | Modern Trends In Inorganic Chemistry , MTIC-XIX                                                                                                         | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi            | Dec. 15-17, 2022 P. 188        |
| 53.   | A. Tiwari and <b>V. Ganesan*</b>                         | Iron (II) complex immobilized electrodes for the selective electrocatalytic oxidation of nicotine                         | Modern Trends In Inorganic Chemistry , MTIC-XIX                                                                                                         | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi            | Dec. 15-17, 2022 P. 218        |
| 52.   | M. Yadav and <b>V. Ganesan*</b>                          | Electrochemically synthesized cobalt hexacyanoferrate on graphene oxide for subtle recognition of environmental pollutant | 27 <sup>th</sup> International Conference of International Academy of Physical Sciences (CONIAPS XXVII) on Recent Advances in Chemical Science (online) | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi-5 (online) | October 26 - 28, 2021 (online) |
| 51.   | S. Singh and <b>V. Ganesan*</b>                          | Bimetallic (Ni and Co) metal-organic frameworks for the water oxidation                                                   | 27 <sup>th</sup> International Conference of International Academy of Physical Sciences (CONIAPS XXVII) on Hydrogen energy and nanomaterials            | Department of Physics, Institute of Science, Banaras Hindu University, Varanasi-5 (online)   | October 26 - 28, 2021 (online) |

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|     |                                     |                                                                                                                                                                          | (online)                                                                                                                                              |                                                                                            |                                  |
| 50. | V. Singh and <b>V. Ganesan*</b>     | Bimetallic CoFe metal-organic framework for efficient alkaline water splitting                                                                                           | 27 <sup>th</sup> International Conference of International Academy of Physical Sciences (CONIAPS XXVII) on Hydrogen energy and nanomaterials (online) | Department of Physics, Institute of Science, Banaras Hindu University, Varanasi-5 (online) | October 26 - 28, 2021 (online)   |
| 49. | M. Yadav and <b>V. Ganesan*</b>     | Electrochemical determination of typhoid antibiotic by cobalt oxide assembled over graphene oxide film                                                                   | 3 <sup>rd</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC – 2019)                                                     | Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur, India    | Feb. 13-15, 2019<br>p.51 ID 25   |
| 48. | D.K. Yadav and <b>V. Ganesan*</b>   | In search of alternate source for fossil fuels: Electrocatalytic hydrogen evolution reaction by a composite of gold nanoparticles and zinc-based metal organic framework | 3 <sup>rd</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC – 2019)                                                     | Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur, India    | Feb. 13-15, 2019<br>p.66 ID 42   |
| 47. | <b>V. Ganesan*</b> and D.K. Yadav   | Metal nanoparticles wired metal-organic frameworks: Synthesis, characterization, and electroanalytical applications                                                      | 3 <sup>rd</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC – 2019)                                                     | Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur, India    | Feb. 13-15, 2019<br>p.111 ID 101 |
| 46. | R. Gupta, and <b>V. Ganesan*</b>    | Synthesis and characterization of palladium nanoparticles immobilized ordered silica for amperometric detection of H <sub>2</sub> O <sub>2</sub>                         | 3 <sup>rd</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC – 2019)                                                     | Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur, India    | Feb. 13-15, 2019<br>p.123 ID 115 |
| 45. | <b>V. Ganesan*</b> and D.K. Yadav   | Metal nanoparticles immobilized bentonite clay for electrocatalytic applications                                                                                         | 69 <sup>th</sup> Annual Meeting of the International Society of Electrochemistry: Electrochemistry from Knowledge to Innovation (ISE-2018)            | Nuovo Polo Congressuale Bologna, Bologna, Italy                                            | September 02-07, 2018, S10-025.  |
| 44. | <b>V. Ganesan*</b> and D.K. Yadav   | Electrochemical recognition of nitrophenols adsorbed on zinc metal organic framework through silver nanoparticles                                                        | 69 <sup>th</sup> Annual Meeting of the International Society of Electrochemistry: Electrochemistry from Knowledge to Innovation (ISE-2018)            | Nuovo Polo Congressuale Bologna, Bologna, Italy                                            | September 02-07, 2018, S01-020.  |
| 43. | D.K. Yadav and <b>V. Ganesan*</b>   | Fe-MIL-88 assisted synthesis of Ni <sub>0.3</sub> -Fe <sub>0.5</sub> layered double hydroxide for electrochemical oxygen evolution                                       | Conference on Electrochemistry in Advanced Materials, Corrosion and Radiopharmaceuticals CEAMCR-2018                                                  | DAE Convention Centre, Anushaktinagar, Mumbai – 400094, India                              | February 15-17, 2018 PP-31, 135. |
| 42. | M. Yadav and <b>V. Ganesan*</b>     | Nickel hexacyanoferrate films for electrochemical determination of glucose in biological samples                                                                         | Indo-German workshop on Recent Applications of Carbohydrates in Chemistry and Biology (RACCB-2017)                                                    | Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, India             | February 14-16, 2017 PP 10       |
| 41. | D.K. Yadav and <b>V. Ganesan*</b>   | Bentonite-MnCo <sub>2</sub> O <sub>4</sub> nanocomposite as new electrode modifier for glucose sensing in biological samples                                             | Indo-German workshop on Recent Applications of Carbohydrates in Chemistry and Biology (RACCB-2017)                                                    | Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, India             | February 14-16, 2017 PP 12       |
| 40. | P.K. Sonkar, and <b>V. Ganesan*</b> | Electrochemical determination of galactose using nickel salophen and multi walled carbon nanotubes based nanocomposite                                                   | Indo-German workshop on Recent Applications of Carbohydrates in Chemistry and Biology (RACCB-2017)                                                    | Department of Chemistry, Indian Institute of Technology (BHU), Varanasi, India             | February 14-16, 2017 PP 13       |

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|-----|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------|
| 39. | D.K. Yadav and V. Ganesan*                          | Electrochemical determination of folic acid using gold nanoparticles immobilized clay                                                                                                                                                                 | International Conference on Nanotechnology: Science and Application in Advanced Materials and Beyond | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India   | Dec. 19-22, 2016<br>P. 148           |
| 38. | R. Gupta, and V. Ganesan*                           | Electrochemical detection of vanillin by methylene blue ion-exchanged sulfonic acid functionalized silica                                                                                                                                             | International Conference on Nanotechnology: Science and Application in Advanced Materials and Beyond | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India   | Dec. 19-22, 2016<br>P. 149           |
| 37. | S. Paswan, M.K. Bharty* and V. Ganesan              | Square planar Ni(II) complexes of acetone N <sup>4</sup> -phenyl-thiosemicarbazone and <i>in situ</i> generated benzoyl thiosemicarbazide ligand: Synthesis, spectral and structural characterizations, thermal behavior and electrochemical studies. | International Conference on Nanotechnology: Science and Application in Advanced Materials and Beyond | Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India   | Dec. 19-22, 2016<br>P. 115           |
| 36. | R. Gupta, and V. Ganesan*                           | Metal nanoparticles incorporated MCM-41 type materials for electroanalytical applications                                                                                                                                                             | International Conference of Recent Advances in Analytical Sciences, RAAS-2016                        | Indian Institute of Technology (BHU), Varanasi, India                                      | April 07-09, 2016<br>P 83<br>(EC-13) |
| 35. | P.K. Sonkar, and V. Ganesan*                        | Multiwall carbon nanotubes supported nickel salophen: Characterization and electrochemical application                                                                                                                                                | International Conference of Recent Advances in Analytical Sciences, RAAS-2016                        | Indian Institute of Technology (BHU), Varanasi, India                                      | April 07-09, 2016<br>P 81<br>(EC-11) |
| 34. | K. Shrivast*, A. Ghosale, R. Shankar and V. Ganesan | Oleylamine capped silver nanoparticles based paper electrodes for electroanalytical applications                                                                                                                                                      | International Conference of Recent Advances in Analytical Sciences, RAAS-2016                        | Indian Institute of Technology (BHU), Varanasi, India                                      | April 07-09, 2016<br>P 70<br>(EC-06) |
| 33. | R. Gupta, and V. Ganesan*                           | Fabrication of an electrochemical sensor for nitrobenzene based on gold nanoparticles incorporated mesoporous silica microspheres                                                                                                                     | International Conference of Recent Advances in Analytical Sciences, RAAS-2016                        | Indian Institute of Technology (BHU), Varanasi, India                                      | April 07-09, 2016<br>P 68<br>(CS-13) |
| 32. | D.K. Yadav and V. Ganesan*                          | Sensitive determination of nitrobenzene by gold nanoparticles impregnated zinc based metal organic framework                                                                                                                                          | International Conference of Recent Advances in Analytical Sciences, RAAS-2016                        | Indian Institute of Technology (BHU), Varanasi, India                                      | April 07-09, 2016<br>P66<br>(CS-10)  |
| 31. | D.K. Yadav and V. Ganesan*                          | Silver nanoparticles immobilized bentonite clay for electrocatalytic reduction of oxygen                                                                                                                                                              | International Conference on Recent Advances in Material and Chemical Sciences                        | Department of Chemistry Gandhigram Rural Institute, Gandhigram, Tamilnadu, India           | Dec. 14-15, 2015,<br>p23,24.         |
| 30. | P.K. Sonkar, D.K. Yadav and V. Ganesan*             | Electrochemical determination of cysteine by reduced graphene oxide and oxovanadium(IV) salen composite                                                                                                                                               | International Conference on Nanomaterials for Energy, Environment, Catalysis and Sensors             | Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai | Dec. 11-12, 2015,<br>PSS3<br>(125)   |
| 29. | R. Gupta, V. Ganesan* and U. Srivastava             | Sensitive determination of vitamin B2 by methylene blue ion-exchanged mesoporous silica material                                                                                                                                                      | International Conference On Contemporary Advances Of Science And Technology, IC-CAST                 | Indian JSPS Alumni Association, Banaras Hindu University, Varanasi-221005                  | August 7-9 2015, P-25                |
| 28. | P.K. Sonkar and V. Ganesan*                         | Dual electrocatalysis of cysteine by oxovanadium(IV) salen adsorbed single wall carbon nanotubes                                                                                                                                                      | International Conference On Contemporary Advances Of Science And Technology, IC-CAST                 | Indian JSPS Alumni Association, Banaras Hindu University, Varanasi-221005                  | August 7-9 2015, P-91                |
| 27. | P.K. Rastogi and V. Ganesan*                        | Gold Nanoparticles Incorporated Bentonite Clay for Electrocatalytic Determination of Arsenite in Water                                                                                                                                                | International Workshop on the Electrochemistry of Electroactive Materials                            | Bad Herrenalb, Karlsruhe Germany                                                           | May 31 to June 05, 2015              |

|     |                                                                    | Samples                                                                                                                         | WEEM - 2015                                                                                                               |                                                                                                                                           |                                  |
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| 26. | P.K. Rastogi and <b>V. Ganesan*</b>                                | Spectrochemical studies of silver nanoparticles decorated polymer nanocomposite for electrochemical applications                | International workshop & conference on Frontiers of Spectroscopy                                                          | Department of Physics, Banaras Hindu University, Varanasi-221005                                                                          | January 8-9, 2015                |
| 25. | D.K. Yadav, <b>V. Ganesan*</b> and P. Rai                          | Spectroscopic studies of $[\text{Fe}(\text{bpy})_3]^{2+}$ incorporated into the nanoscaled layers of Na <sup>+</sup> -bentonite | International workshop & conference on Frontiers of Spectroscopy                                                          | Department of Physics, Banaras Hindu University, Varanasi-221005                                                                          | January 8-9, 2015                |
| 24. | R. Gupta and <b>V. Ganesan*</b>                                    | Synthesis and spectroscopic characterization of gold nanoparticles impregnated mesoporous silica spheres                        | International workshop & conference on Frontiers of Spectroscopy                                                          | Department of Physics, Banaras Hindu University, Varanasi-221005                                                                          | January 8-9, 2015                |
| 23. | <b>V. Ganesan*</b><br>P. K. Rastogi and S. Krishnamoorthi          | Silver nanoparticles based efficient electrochemical sensing platform for isoniazid determination                               | 65 <sup>th</sup> Annual Meeting of the International Society of Electrochemistry: Ubiquitous Electrochemistry (ISE-2014)" | EPFL, Lausanne, Switzerland.                                                                                                              | August 31-Sep. 05, 2014, 141593. |
| 22. | P. K. Sonkar and <b>V. Ganesan*</b>                                | Silver nanoparticle incorporated thiol functionalized mesoporous silica material for nitrite determination                      | International conference on Recent Advances in Analytical Science (RAAS-2014)                                             | Indian Institute of Technology (BHU), Varanasi, India                                                                                     | March 27-29, 2014 PP-53          |
| 21. | R. Gupta and <b>V. Ganesan*</b>                                    | Simultaneous determination of ascorbic acid and uric acid by gold nanoparticles incorporated MCM-41 modified electrode          | International conference on Recent Advances in Analytical Science (RAAS-2014)                                             | Indian Institute of Technology (BHU), Varanasi, India                                                                                     | March 27-29, 2014 PP-12          |
| 20. | P. K. Rastogi <b>V. Ganesan*</b> and S. Krishnamoorthi             | Silver nanoparticles decorated copolymer for electrocatalytic determination of nitrite.                                         | International conference on Recent Advances in Analytical Science (RAAS-2014)                                             | Indian Institute of Technology (BHU), Varanasi, India                                                                                     | March 27-29, 2014 PP-54          |
| 19. | <b>V. Ganesan*</b><br>P. K. Rastogi and S. Krishnamoorthi          | Pd nanoparticles immobilized hybrid material for direct ethanol fuel cells                                                      | International conference on Nanomaterials with Special Reference to Energy security (NMES-2014)                           | Banaras Hindu University, Varanasi, India                                                                                                 | March 12-14, 2014, p63           |
| 18. | <b>V. Ganesan</b> and M. Pal                                       | Functionalized organic-inorganic hybrid materials for electroanalytical applications                                            | 5th Indo-German Frontiers of Engineering Symposium INDOGFOE-2013                                                          | Pragathi resorts, Hyderabad on behalf of International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad | March 14-17, 2013 p42            |
| 17. | V. Azmeera, P.K. Rastogi, <b>V. Ganesan</b> and S. Krishnamoorthi* | Synthesis, Characterization and Cyclic Voltammetric Study of Copper(II)Polymer chelate                                          | Indo-US Workshop on Electrocatalytic Materials for Fuel and Biofuel Cells (Indo-US ECM-2013)                              | Banaras Hindu University, Varanasi, India                                                                                                 | Feb 26-28, 2013, PP 57           |
| 16. | P.K. Rastogi, <b>V. Ganesan</b> and R. Gupta                       | A Comparative Study on the Electrochemical Determination of Ascorbic acid at Cationic Hydrogel Modified Electrodes              | Indo-US Workshop on Electrocatalytic Materials for Fuel and Biofuel Cells (Indo-US ECM-2013)                              | Banaras Hindu University, Varanasi, India                                                                                                 | Feb 26-28, 2013, PP 52           |
| 15. | M. Pal and <b>V. Ganesan*</b>                                      | MCM-41 Type Mesoporous Silica as Efficient Catalyst Support                                                                     | Indo-US Workshop on Electrocatalytic Materials for Fuel and Biofuel Cells (Indo-US ECM-2013)                              | Banaras Hindu University, Varanasi, India                                                                                                 | Feb 26-28, 2013, PP 54           |
| 14. | U. P. Azad and <b>V.</b>                                           | Nitrite Determination at $\text{Fe}(\text{Phen})_3^{2+}$ Exchanged Clay Modified Electrodes                                     | Indo-US Workshop on Electrocatalytic Materials                                                                            | Banaras Hindu University, Varanasi,                                                                                                       | Feb 26-28,                       |

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|     | <b>Ganesan* T. Srichaitanya</b>                                         |                                                                                                                                                          | for Fuel and Biofuel Cells (Indo-US ECM-2013)                                                        | India                                                                        | 2013, PP 55                            |
| 13. | <b>V. Ganesan</b> , K. H. Sjöholm, M. T. Meredith and S. D. Minteer     | Immobilization of thylakoids with polyethylenimine-based hydrogel for solar energy conversion                                                            | Joint 2011 ACS Midwest/Great Lakes Regional Meeting MWRM/GLRM 2011                                   | Sheraton Westport Chalet, St. Louis, MO USA                                  | Oct. 19-22, 2011, P-372                |
| 12. | <b>V. Ganesan</b> , K. H. Sjöholm, R. L. Arechederra, and S. D. Minteer | Thylakoid- based photobioelectrochemical cell for solar energy conversion<br><br><b>Prep. Pap.-Am. Chem. Soc., Div. Fuel Chem. 2011, 56 (2), 486-487</b> | 242 <sup>nd</sup> ACS national meeting and exposition                                                | Colorado Convention Centre, Denver, CO, USA                                  | Aug. 28 - Sep. 1, 2011. Pages: 486-487 |
| 11. | M. Pal and <b>V. Ganesan*</b>                                           | Cobalt-Salen incorporated MCM-41: An efficient electrocatalyst for oxygen reduction                                                                      | IUPAC International Congress for Analytical Sciences (ICAS2011).                                     | Kyoto International Conference Center Kyoto, Japan.                          | May 22-26, 2011 P-52                   |
| 10. | U. P. Azad and <b>V. Ganesan*</b>                                       | Electrochemical determination of isoniazid at Fe(tmphen) <sub>3</sub> <sup>2+</sup> immobilized Nafion modified electrodes                               | International Conference on Chemistry: Frontiers and Challenges                                      | Aligarh Muslim University, Aligarh, India                                    | March 5-6, 2011 P-43.                  |
| 9.  | P. K. Rastogi, <b>V. Ganesan*</b> and S. Krishnamoorthi*                | Polymer stabilized palladium nanoparticles for the electrocatalytic oxidation of hydrazine                                                               | International Symposium on Materials Education, (ISME-2011)                                          | Indian Institute of Science Education and Research, Pune-India               | March 26-28, 2011 P-50.                |
| 8.  | P. K. Rastogi, <b>V. Ganesan*</b> and S. Krishnamoorthi*                | Synthesis and characterization of palladium nanoparticles impregnated gaur gum grafted poly(acryl amide)-silica materials for catalytic applications     | Polychar-19 World Forum on Advanced Materials                                                        | Kathmandu, Nepal                                                             | March 20-24, 2011 P-244.               |
| 7.  | U. P. Azad and <b>V. Ganesan*</b>                                       | Efficient sensing of nitrite by Fe(bpy) <sub>3</sub> <sup>2+</sup> immobilized Nafion modified electrodes                                                | International Symposium on Frontiers in Inorganic Chemistry (FIC-2010)                               | Indian Association for the Cultivation of Science, Kolkata India.            | Dec. 11-13, 2010 P-106.                |
| 6.  | M. Pal and <b>V. Ganesan*</b>                                           | Effect of Au nanoparticles on the electrocatalytic reduction of oxygen by silica encapsulated cobalt phthalocyanine.                                     | 9 <sup>th</sup> International Symposium on Advances in Electrochemical Science and Technology.       | Hotel Green Park, Chennai, India.                                            | Dec. 02-04, 2010 H-001.                |
| 5.  | U. P. Azad and <b>V. Ganesan*</b>                                       | Electrocatalytic oxidation of hydrazine using poly(Ni <sup>II</sup> teta) modified electrode.                                                            | International Conference on Materials for the Millennium. (MatCon2010)                               | Cochin University of Science and Technology, Kochi, Kerala.                  | Jan. 11-13, 2010                       |
| 4.  | M. Pal and <b>V. Ganesan*</b>                                           | Nitrite recognition at silver nanoelectrode ensembles.                                                                                                   | International Conference on Materials for the Millennium. (MatCon2010)                               | Cochin University of Science and Technology, Kochi, Kerala.                  | Jan. 11-13, 2010 P-100.                |
| 3.  | M. Pal and <b>V. Ganesan*</b>                                           | Silver and zinc phthalocyanine incorporated nano-structured materials for electrocatalytic oxygen reduction                                              | 1 <sup>st</sup> International Conference on Nanostructured Materials and Nanocomposites, (ICNM-2009) | Institute of Macromolecular Science and Engineering, Kottayam, Kerala, India | April 06-08, 2009 P 7.                 |
| 2.  | U. P. Azad and <b>V. Ganesan*</b>                                       | Tunable catalytic efficiency of metal nanoparticles imbedded in silica sol-gel matrix                                                                    | 1 <sup>st</sup> International Conference on Nanostructured Materials and Nanocomposites (ICNM-2009)  | Institute of Macromolecular Science and Engineering,                         | April 06-08, 2009 P 20.                |

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|    |                                  |                                                                                  |                                                                                                    | Kottayam, Kerala India                        |                                  |
| 1. | <b>V. Ganesan</b> and R. Ramaraj | Photoelectrochemical studies of photoredox system at membrane coated electrodes. | Eleventh International Conference on Photochemical Conversion and Storage of Solar Energy (IPS 11) | Indian Institute of Science, Bangalore, India | July 28–Aug 02, 1996, P 111-112. |

### Papers presented in academic conferences (National)

| S.No. | Authors                            | Title of the paper presented                                                                                                                                    | Name of the Conference                                                                | Venue                                                                           | Date and Page no.              |
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| 49.   | M. Yadav and <b>V. Ganesan*</b>    | Synthesis of nickel-based nanocomposites for the oxygen evolution electrocatalysis                                                                              | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP-32     |
| 48.   | V. Singh and <b>V. Ganesan*</b>    | Metal-organic frameworks of Co and Fe for the electrochemical water oxidation                                                                                   | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP-67     |
| 47.   | S. Singh and <b>V. Ganesan*</b>    | Mixed transition metal oxides as efficient electrocatalysts for the oxygen reduction                                                                            | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP-73     |
| 46.   | V. Rathour and <b>V. Ganesan*</b>  | Heteroatom-doped carbon material supported M-N <sub>4</sub> systems as efficient catalysts for the oxygen reduction reaction                                    | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP-75     |
| 45.   | S. Dubey and <b>V. Ganesan*</b>    | Synthesis of mesoporous boron nitride as a catalyst support for electrochemical water splitting                                                                 | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP-77     |
| 44.   | S. Pandey and <b>V. Ganesan*</b>   | Transition metal dichalcogenide and functionalized carbon nanocomposite for electrochemical water oxidation                                                     | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP-82     |
| 43.   | A. Tiwari and <b>V. Ganesan*</b>   | Functionalized carbon material coated electrode as the electrochemical sensing scaffold for chromium in aqueous solution                                        | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP-83     |
| 42.   | D.K. Singh and <b>V. Ganesan*</b>  | Role of sulfonic acid functionalization of the carbon support in improving the electrochemical oxygen reduction selectivity of the integrated catalyst          | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022) | Department of Chemistry, Banaras Hindu University, Varanasi                     | Dec. 26 and 27, 2022 PP32      |
| 41.   | P.K. Sonkar and <b>V. Ganesan*</b> | Electrochemical determination of rifampicin in pharmaceutical formulation using meso-tetrakis(4-hydroxyphenyl)porphyrinato cobalt(II) anchored carbon nanotubes | National Conference on Exotic Materials and Devices (NCEMD-2019)                      | Department of Physics, Mahila Mahavidyalaya, Banaras Hindu University, Varanasi | January 08-09, 2019 p.31 OP 14 |
| 40.   | P.K. Sonkar and <b>V. Ganesan*</b> | Fullerene (C <sub>60</sub> )-iron porphyrin ensembles as electrode material for electrochemical oxygen reduction                                                | National Symposium on Emerging Trends in Chemical Sciences (NSETCS-2018)              | Department of Chemistry, Banaras Hindu University, Varanasi                     | Nov. 17-18, 2018 p.53, PP39    |
| 39.   | D.K. Yadav and <b>V. Ganesan*</b>  | Electroanalysis of kojic acid in real samples by metal-organic framework derived Ni-Fe layered double hydroxide                                                 | National Symposium on Emerging Trends in Chemical Sciences (NSETCS-2018)              | Department of Chemistry, Banaras Hindu University, Varanasi                     | Nov. 17-18, 2018 p.76, PP62    |
| 38.   | M. Yadav and                       | Single walled carbon nanotubes                                                                                                                                  | National Symposium on Emerging Trends in                                              | Department of Chemistry, Banaras                                                | Nov. 17-18, 2018               |

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|      | <b>V. Ganesan*</b>                                                                                    | modified glassy carbon electrodes for electrochemical determination of acetaminophen                                            | Chemical Sciences (NSETCS-2018)                                               | Hindu University, Varanasi                                                                | p.82, PP68                        |
| 37.  | D.K. Singh and <b>V. Ganesan*</b>                                                                     | Cobalt phthalocyanine based novel composite as efficient catalyst for electrochemical synthesis of hydrogen peroxide            | National Symposium on Emerging Trends in Chemical Sciences (NSETCS-2018)      | Department of Chemistry, Banaras Hindu University, Varanasi                               | Nov. 17-18, 2018<br>p.125, PP111  |
| 36.  | P.K. Sonkar and <b>V. Ganesan*</b>                                                                    | Nickel phthalocyanine integrated nanoarchitecture as an oxygen reduction electrocatalyst for fuel cells                         | Hydrogen energy in Indian Perspective: Role of nano Materials                 | Nanoscience Centre, Department of Physics, Banaras Hindu University, Varanasi             | Oct. 31-Nov. 02, 2018<br>p. 24    |
| 35.  | D.K. Singh and <b>V. Ganesan*</b>                                                                     | Perovskite based composite for electrochemical water oxidation                                                                  | Hydrogen energy in Indian Perspective: Role of nano Materials                 | Nanoscience Centre, Department of Physics, Banaras Hindu University, Varanasi             | Oct. 31-Nov. 02, 2018<br>p. 22    |
| 34.  | D.K. Singh and <b>V. Ganesan*</b>                                                                     | Synthesis and characterization of $\text{LaCo}_{0.95}\text{Ru}_{0.05}\text{O}_3$ perovskite for electrochemical water splitting | 20 <sup>th</sup> National Convention of Electrochemists (NCE-20)              | Vellore Institute of Technology, Vellore. Tamil Nadu                                      | June 7 and 8, 2018<br>PP 48 77-78 |
| 33.  | P.K. Sonkar and <b>V. Ganesan*</b>                                                                    | Single walled carbon nanotubes modified with vanadyl phthalocyanine and its electrochemical application                         | 20 <sup>th</sup> CRSI National Symposium in Chemistry                         | Department of Chemistry, Gauhati University, Guwahati                                     | Feb. 02-05, 2017<br>PP 256        |
| 32.  | R. Gupta and <b>V. Ganesan*</b>                                                                       | Nano $\text{MnO}_2$ dispersed mesoporous silica for electrochemical determination of isoniazid                                  | 20 <sup>th</sup> CRSI National Symposium in Chemistry                         | Department of Chemistry, Gauhati University, Guwahati                                     | Feb. 02-05, 2017<br>PP 325        |
| 31.  | M. Yadav and <b>V. Ganesan*</b>                                                                       | Electrocatalytic determination of Acetaminophen by nickel hexacyanoferrate                                                      | 20 <sup>th</sup> CRSI National Symposium in Chemistry                         | Department of Chemistry, Gauhati University, Guwahati                                     | Feb. 02-05, 2017<br>PP 452        |
| 30.  | <b>V. Ganesan*</b><br>R. Gupta, U.P. Azad, M. Pal, P.K. Rastogi, P.K. Sonkar, D.K. Yadav and M. Yadav | Electrode modifiers: An asset for efficient electroanalysis                                                                     | One Day National Symposium on Recent Developments in Chemistry (RDC-2016)     | Department of Physical Chemistry, School of Chemistry Madurai Kamaraj University, Madurai | June 04, 2016,<br>PP66            |
| 29.  | D.K. Yadav, <b>V. Ganesan*</b> and P. Rai                                                             | Electrocatalytic route for the sensitive determination of arsenite in real samples                                              | National symposium on Nanomaterials and sustainable synthetic strategies-2015 | Banaras Hindu University, Varanasi, India                                                 | March 21-22, 2015,<br>PP-17       |
| 28.  | R. Gupta and <b>V. Ganesan*</b>                                                                       | In situ incorporation of gold nanoparticles into mesoporous silica for electrocatalytic oxygen reduction                        | National symposium on Nanomaterials and sustainable synthetic strategies-2015 | Banaras Hindu University, Varanasi, India                                                 | March 21-22, 2015,<br>PP-72       |
| 27.  | P. K. Sonkar <b>V. Ganesan*</b> and A. Prajapati                                                      | Polymeric cobalt salen film for the trace level determination of anti-inflammatory drug in real samples                         | National symposium on Nanomaterials and sustainable synthetic strategies-2015 | Banaras Hindu University, Varanasi, India                                                 | March 21-22, 2015,<br>PP-55       |
| 26.  | P. K Rastogi, <b>V. Ganesan*</b> and S. Pandey                                                        | Bentonite clay-gold nanocomposites: Synthesis, characterization and its electrochemical applications                            | National symposium on Nanomaterials and sustainable synthetic strategies-2015 | Banaras Hindu University, Varanasi, India                                                 | March 21-22, 2015.<br>PP-53       |
| 25.. | P. K. Sonkar and <b>V. Ganesan*</b>                                                                   | Electrochemical sensing of nitrite by silver nanoparticles incorporated amine functionalized silica                             | CRSI National Symposium in Chemistry                                          | National Chemical Laboratory, Pune                                                        | Feb. 06-08, 2015,<br>P504.        |

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|-----|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 24. | R. Gupta and <b>V. Ganesan*</b>                                                         | Electrocatalytic oxidation of ascorbic acid by gold nanoparticles incorporated MCM-41                           | National Symposium on Organic Synthesis and Advanced Materials (NSOSAM-2014)           | Banaras Hindu University, Varanasi, India                                                                                | March 01-02, 2014         |
| 23. | P.K. Sonkar, <b>V. Ganesan*</b> and V. Rao                                              | Electrochemical determination of cysteine by oxovanadium(IV) salen modified electrodes                          | National Symposium on Organic Synthesis and Advanced Materials (NSOSAM-2014)           | Banaras Hindu University, Varanasi, India                                                                                | March 01-02, 2014         |
| 22. | P.K. Rastogi, <b>V. Ganesan*</b> and S. Prakash                                         | Determination of uric acid by ion exchange voltammetry at polymer modified electrode                            | National Symposium on Organic Synthesis and Advanced Materials (NSOSAM-2014)           | Banaras Hindu University, Varanasi, India                                                                                | March 01-02, 2014         |
| 21. | P.K. Rastogi, <b>V. Ganesan*</b> and R. Gupta                                           | Electrocatalytic oxidation of ascorbic acid by electrostatically confined $[\text{Fe}(\text{CN})_6]^{4-}$       | National Symposium on Chemistry and Environment [NSCE-2013]                            | Banaras Hindu University, Varanasi, India                                                                                | March 15-16, 2013, OL53.  |
| 20. | P.K. Rastogi, <b>V. Ganesan*</b> and R. Gupta                                           | Determination of ascorbic acid at permselective polymer modified electrode                                      | 15 <sup>th</sup> CRSI National Symposium in Chemistry                                  | Banaras Hindu University, Varanasi, India                                                                                | Feb 1-3, 2013,            |
| 19. | U. P. Azad and <b>V. Ganesan*</b> T. Srichaitanya                                       | Amperometric Determination of Nitrite                                                                           | 15 <sup>th</sup> CRSI National Symposium in Chemistry                                  | Banaras Hindu University, Varanasi, India                                                                                | Feb 1-3, 2013, p288       |
| 18. | M. Pal and <b>V. Ganesan*</b>                                                           | Mercaptopropyl-functionalized mesoporous silica: A remarkable catalytic support                                 | National Symposium on Advanced Functional Materials (NSAFM-12)                         | Banaras Hindu University, Varanasi, India                                                                                | Feb. 11-12, 2012 OL-31    |
| 17. | U. P. Azad and <b>V. Ganesan*</b>                                                       | Influence of surfactants on the catalytic efficiency of silver nanoparticles in a silica sol-gel matrix         | National Symposium on Advanced Functional Materials (NSAFM-12)                         | Banaras Hindu University, Varanasi, India                                                                                | Feb. 11-12, 2012 OL-50    |
| 16. | R. Goswami, P. K. Rastogi, M. Pal, U. P. Azad, S. Krishnamoorthi and <b>V. Ganesan*</b> | A comparative study on the electrochemical properties of certain organic dyes at different modified electrodes  | National Symposium on Emerging Trends in Chemical Sciences (ETCS-2011)                 | Banaras Hindu University, Varanasi, India                                                                                | Feb. 19-20, 2011 P-73.    |
| 15. | P. K. Rastogi, <b>V. Ganesan*</b> and S. Krishnamoorthi*                                | Novel polymer stabilized silver nanoparticles for the catalytic degradation of environmental pollutants         | 13 <sup>th</sup> CRSI National Symposium in Chemistry                                  | National Institute of Science Education and Research, and Kalinga Institute of Industrial Technology, Bhubaneswar, India | Feb. 04-06, 2011          |
| 14. | U. P. Azad and <b>V. Ganesan*</b>                                                       | Determination of $\text{HSO}_3^-$ at $\text{Fe}(\text{tmphen})_3^{2+}$ encapsulated Nafion modified electrodes. | National Seminar on Recent Advances in Analytical Sciences-Indian perspective (RAASI). | Indian Institute of Chemical Technology, Hyderabad, India.                                                               | Jan 20-21, 2011. ICP-107. |
| 13. | M. Pal and <b>V. Ganesan*</b>                                                           | Influence of Au nanoparticles on the photocatalytic reduction of oxygen by zinc phthalocyanine.                 | National Seminar on Recent Advances in Analytical Sciences-Indian perspective (RAASI). | Indian Institute of Chemical Technology, Hyderabad, India.                                                               | Jan 20-21, 2011. ICP-139. |
| 12. | P. K. Rastogi, S. Krishnamoorthi and <b>V. Ganesan*</b>                                 | Ion exchange voltammetry of $\text{Ru}(\text{NH}_3)_6^{3+}$ at polymer modified electrodes                      | 12 <sup>th</sup> CRSI National Symposium in Chemistry                                  | Indian Institute of Chemical Technology Hyderabad, India                                                                 | Feb. 05-07, 2010.         |
| 11. | M. Pal and <b>V. Ganesan*</b>                                                           | Electrocatalytic reduction of $\text{CO}_2$ by zinc phthalocyanine at Gold nanoelectrode ensembles.             | National Conference on Recent Advances in Electroanalytical                            | Gandhigram Rural Institute, Gandhigram,                                                                                  | Feb. 25-26, 2010          |

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|-----|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------|
|     |                                                  |                                                                                                               | Techniques                                                             | Tamilnadu, India                                         | P-23.                       |
| 10. | U. P. Azad and V. Ganesan*                       | Electrocatalytic oxidation of glycine using poly(Ni <sup>II</sup> -teta) modified electrode.                  | National Conference on Recent Advances in Electroanalytical Techniques | Gandhigram Rural Institute, Gandhigram, Tamilnadu, India | Feb. 25-26, 2010 P-29.      |
| 9.  | P. K. Rastogi, S. Krishnamoorthi and V. Ganesan* | Ion exchange voltammetry of phenothiazine dyes at polymer modified electrodes                                 | National Conference on Recent Advances in Electroanalytical Techniques | Gandhigram Rural Institute, Gandhigram, Tamilnadu, India | Feb. 25-26, 2010 P-59.      |
| 8.  | U. P. Azad and V. Ganesan*                       | Electrocatalytic oxidation of hydrazine using poly(Ni <sup>II</sup> -teta) modified electrode                 | Symposium on Modern Trends in Inorganic Chemistry (MTIC-XIII)          | Indian Institute of Science, Bangalore, India            | Dec. 7-10, 2009. P          |
| 7.  | U. P. Azad and V. Ganesan*                       | Catalytic reduction of proflavine by metal nanoparticles                                                      | 11 <sup>th</sup> CRSI National symposium in Chemistry                  | National Chemical Laboratory, Pune India                 | Feb. 06-08, 2009 P 68.      |
| 6.  | M. Pal and V. Ganesan*                           | Zinc phthalocyanine incorporated Ag / Au-MCM-41 materials for photocatalytic reduction of oxygen              | 11 <sup>th</sup> CRSI National symposium in Chemistry                  | National Chemical Laboratory, Pune India                 | Feb. 06-08, 2009 P 67.      |
| 5.  | V. Ganesan and R. Ramaraj*                       | Electrocatalytic oxidation of hydrogen peroxide by poly (Ni <sup>II</sup> -teta) complex modified electrodes. | Symposium on Modern Trends in Inorganic Chemistry                      | Indian Institute of Science, Bangalore, India            | Jan. 18-20, 2000 P 70.      |
| 4.  | V. Ganesan and R. Ramaraj*                       | Mediated reduction of oxygen at poly(phenosafranine) modified electrodes.                                     | National Seminar on Advances in Electron Transfer Processes            | Madurai Kamaraj University, Madurai, India               | July 15-16, 1999 P 16.      |
| 3.  | V. Ganesan and R. Ramaraj*                       | <i>In situ</i> spectroelectrochemical studies of dye molecules at chemically modified electrodes.             | Seminar on Ultrafast processes in Biology, Chemistry and Physics       | University of Madras, Chennai, India                     | March 11-13, 1999 P 26.     |
| 2.  | V. Ganesan and R. Ramaraj*                       | Spectral studies of proflavin adsorbed on zeolite-L.                                                          | Trombay Symposium on Radiation and Photochemistry (TSRP-98)            | Bhabha Atomic Research Centre, Mumbai, India             | Jan. 14-19, 1998 P 129-130. |
| 1.  | V. Ganesan and R. Ramaraj*                       | Extrazeolite electron transfer mechanism at zeolite encapsulated metal complexes coated electrodes.           | Symposium on Modern Trends in Inorganic Chemistry                      | Indian Institute of Technology, Kanpur, India            | Dec. 4-6 1997 P 37.         |

### Conferences organized

| S.No. | Level of the participation | Name of the Conference                                                                              | Venue                                                    | Date                 |
|-------|----------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------|
| 6.    | Co-Convener                | National Symposium on Brainstorming Meeting on Chemistry at the Interface (BSCI-2022)               | Banaras Hindu University, Varanasi, UP, India            | Dec, 26 and 27, 2022 |
| 5.    | Co-Convener                | International conference on Modern Trends in Inorganic Chemistry (MTIC-XIX)                         | Banaras Hindu University, Varanasi, UP, India            | Dec. 15-17, 2022     |
| 4.    | Joint Secretary            | Indo- German Workshop on Recent Applications of Carbohydrates in Chemistry and Biology (RACCB-2017) | Indian Institute of Technology, Banaras Hindu University | Feb 14-16, 2017      |
| 3.    | Co-Convener                | International conference on Recent Advances in Analytical Sciences                                  | Indian Institute of Technology, Banaras Hindu University | March 07-09, 2016    |
| 2.    | Secretary                  | International conference on Recent Advances in Analytical Sciences                                  | Indian Institute of Technology, Banaras Hindu University | March 27-29, 2014    |
| 1.    | Convener                   | Indo-US workshop on electrocatalytic materials for fuel and biofuel cells                           | Banaras Hindu University, Varanasi, UP, India            | Feb. 26-28, 2013     |

### Member of academic societies

Indian Society of Analytical Scientists (2014 onwards Life Member and Joint Secretary, Varanasi Chapter)

International Society for Electrochemistry (Member 2012 onwards)  
American Chemical Society (Member 2011-12)  
Indian Society for Electroanalytical Chemistry (Life Member from 2010)  
Chemical Research Society of India (Life Member from 2009)  
The Society for Advancement of Electrochemical Science and Technology (Life Fellow Member from 2009)  
The Electrochemical Society, USA (Student Member 1997-2000)