**BIO-DATA**

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|  | Researcher id | <https://www.webofscience.com/wos/author/rid/HMV-5596-2023> |
|  | Google Scholar id | <http://scholar.google.co.in/citations?user=QulSE5YAAAAJ> |
|  | Vidwan id | <https://vidwan.inflibnet.ac.in/profile/334919> |
|  | Website | [Dr. NEERAJ M GUPTA (google.com)](https://sites.google.com/view/nmgchem/home) |

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**Educational Qualifications: -**

 1. Ph.D. from CSIR-CDRI Lucknow.

 2. M.Sc. Chemistry from P P N PG College, Kanpur (U.P.).

 3. B.Sc. from Shiya, PG College, Lucknow (U.P.).

**Professional Qualifications: -**

1. CSIR-UGC NET-JRF June. 2015, Dec 2016, June 2017 with AIR 42 (2015)
2. GATE-2015, 2016 with AIR 380 and 180 respectively.
3. BEd year 2015, from Prof. H N Mishra College of education, Kanpur.

**Computer skills: -**

* Operating system: Windows, DOS, LINUX.
* MS Office- (MS-Excel, MS-Word, MS-PowerPoint), Adobe Photoshop

**Academic experience: -**

* 3-year8 months of teaching experience as an Asst. Professor in Govt. P. G. College, Guna (M.P.)

**Research interest: -**

* Design and Synthesis of heterocyclic organic fluorescent Chemosensors and Chemodosimeters.
* Design and Synthesis of New Donor-acceptor based fluorescent dyes for Optical Devices.
* Synthesis and characterization of fluorescent carbon nanomaterials for Heavy Metal detection and biomedical applications.
* Synthesis and characterization of nanomaterial based Homogeneous, Heterogeneous catalysts, Nano layered materials, Cationic and Anionic ion exchangers for Oxidation reactions.

**Publications: -**

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| **Sr No** | **Title of Research Paper** | **Journal Name** | **IISN/****ISBN** | **Impact Factor** | **Year of Publication** |
| 1. | Metal Complexes of 1,2,4-Triazole Based Ligand: Synthesis, Structural Elucidation, DFT Calculations, Alpha-Amylase and Alpha-Glucosidase Inhibitory Activity Along with Molecular Docking Studies | Journal of Inorganic and Organometallic Polymers and Materials | 1574-1443 | 4.00 | 2023 |
| 2. | Instigating the in vitro antidiabetic activity of new tridentate Schiff base ligand appended M(II) complexes: From synthesis, structural characterization, quantum computational calculations to molecular docking, and molecular dynamics simulation studies | Applied organometallic chemistry | 1099-0739 | 4.072 | 2023 |
| 3. | Picomolar detection of lead ions (Pb2+) by fuctionally modified fluorescent carbon quantum dots from watermelon juice and their imaging in cancer cells | Journal of Imaging | 2313-433x | 3.2 | 2023 |
| 4. | Fabrication and characterization of Cu nanoparticles dispersed on ZnAl-layered double hydroxide nanocatalysts for the oxidation of cyclohexane | ACS Omega | 2470-1343 | 4.13 | 2022 |
| 5. | Donor-accepter biarylcarbazoles as efficient host materials for solution processable high performance phosphorescent organinc light emitting diodes | ACS Applied optical materials | 2771-9855 | - | 2022 |
| 6. | First Dual Responsive “Turn-On” and “Ratiometric” AIEgen Probe for Selective Detection of Hydrazine Both in Solution and the Vapour Phase | Chemistry--A European Journal | 1521-3765 | 4.3 | 2019 |
| 7 | Synthesis of solution-processable donor--acceptor pyranone dyads for white organic light-emitting devices | The Journal of organic chemistry | 1520-6904 | 3.6 | 2019 |
| 8 | A new pyrrolyl-pyranone based AIEgen with solution solid dual emissive property | [Indian Journal of Chemistry –Sec B](https://www.bing.com/ck/a?!&&p=963b24241a759fe0JmltdHM9MTY5MTQ1MjgwMCZpZ3VpZD0zZTk0ODVmNi01MWUzLTY0NzItMGVjYy05NWUwNTA2ODY1ZTAmaW5zaWQ9NTE4OA&ptn=3&hsh=3&fclid=3e9485f6-51e3-6472-0ecc-95e0506865e0&psq=indian+journal+of+chemistry+section+b&u=a1aHR0cDovL29wLm5pc2NhaXIucmVzLmluL2luZGV4LnBocC9JSkNC&ntb=1) | 0975-0983 | 0.456 | 2018 |
| 9 | Imaging and quantitative detection of lipid droplets by yellow fluorescent probes in liver sections of plasmodium infected mice and third stage human cervical cancer tissues | Bioconjugate Chemistry | 1520-4812 | 4.7 | 2018 |

**Book/Book Chapter: -**

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| **Sr. No.** | **Title of Paper** | **Name of book** | **IISN/****ISBN** | **International/****National** |
| 1. | Facile synthesis of ZnAl layered double hydroxide immobilized Ni(II) Schiff as a nanocatalyst for liquid-phase oxidation of toluene | Recent trends of innovation in chemical and biological science.Volume-IDr. Bassa SatyanarayanaMr. Mukul BarwantBhumi Publishing | 978-93-91768-31-7 | International |
| 2. | A brief introduction and classification of carbon-based nanomaterials | Recent trends of innovation in chemical and biological science.Volume-I,Dr. Bassa Satyanarayana,Mr. Mukul Barwant,Bhumi Publishing | 978-93-91768-31-7 | International |
| 3. | Pollution by pharma industries: An overview | Pharmaceuticals: Boon or Bane.Dr. Neha Agarwal | 979-8-88697-487-4 | International |

**Conferences/Symposia/Seminar/Workshop: -**

1. Presented Poster in 24th ISCB International Conference (ISCBC-2018), Manipal University, Jaipur, 11 - 13 January, 2018.
2. Presented Poster in 7th International Symposium on “Current Trends in Drug Discovery & Research (CTDDR-2019)’’ at CSIR-CDRI, Lucknow, Feb 20 - 23, 2019.
3. Presented Poster in XV J-NOST 2019 Conference for Research Scholars, University of Delhi, October 18 - 21, 2019.
4. Presented Paper in (ICMRSTH-2021) International Conference on Multidisciplinary Research in Science Technology & Humanities, organized by Sage University, Indore, 22-23 December 2021.
5. Presented Poster in (ICTAMASD-2022)International Conference on Current Trends in Advanced Materials and their Applications for Societal Development, Dr. Hari Singh Gaur Vishwavidyalaya Sagar[MP], March 8th-10th 2022

**Orientation/FDP/Induction/Refresher course: -**

1. Completed 4-week Orientation Programme from November10-December09 2021, conducted by Teaching Learning Centre, Ramanujan College University of Delhi.
2. Completed 2-week refresher course from 01February-15 February 2022, conducted by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with IQAC, Miranda House University of Delhi.
3. Completed 1-week Induction Programme February 2020, conducted by RCVP Norhona academy Bhopal.