**3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs) (10)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **2017-18** | **2018-19** | **2019-20** | **2020-21** | **2021-22** |
| **INR in Lakhs** | **977.71** | **261.49** | **99.40** | **447.53** | **726.89** |

**Total = 2513.02 lakhs**

**Supporting documents**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the Scheme** | **Name of the Principal Investigator/ Co Investigator (if applicable)** | **Name of the Funding agency** | **Funds Provided (in lakhs)** | **Link for Supporting Document** |
| **2017-2018** | | | | |
| Bioactive metabolites(s) synthesis through mycobiont culture of lichens from Chhattisgarh region and their metabolites profiling as potential source for bioprospection | Dr. S.K Shahi | DST, New Delhi | 33.70 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022030114_DST%20Project%20(Dr%20SK%20Shahi).pdf> |
| Molecular evaluation of glutamate-No-cGMP cascades modulated by NMDA and AMPA receptors in brain of rats with acute liver failure | Dr. Santosh Singh | SERB | 25.20 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| Characterization of conidial antigenisolated from aeromicroflora of chhattisgarh (mini research project) | Prof. B.N. Tiwari | Chhattisgarh Council of Science & Technology (CCOST) | 5.0 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| Nanostructured organofunctanalized mesoporous silica materials: synthesis and catalytic applications (mini research project) | Dr. Santosh Singh Thakur | Chhattisgarh Council of Science & Technology (CCOST) | 5.0 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| Lignocellulosic poly (lactic acid) based composites for multifaceted applications (mini research project) | Dr. Harit Jha | Chhattisgarh Council of Science & Technology (CCOST) | 5.0 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| Phytochemical investigation of Moringa Oleifera plant extract and its protective role on cisplatin nephrotoxicity (mini research project) | Prof. Renu Bhatt | Chhattisgarh Council of Science & Technology (CCOST) | 4.6 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| Evaluation of……breast Cancer” | Dr. Bharti Ahiwar | Chhattisgarh Council of Science & Technology (CCOST) | 2.00 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023102245_projects%20part%20II.pdf> |
| “Synthesis……Antihypertensive Activity” | Dr.Kamta P. Namdeo | UGC | 10.34 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023102245_projects%20part%20II.pdf> |
| A search for…….Chhattisgarh State” | Dr. Surendra H Bodakhe | Chhattisgarh Council of Science & Technology (CCOST) | 1.40 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023102245_projects%20part%20II.pdf> |
| Investigating close in extra solar planets through photometric follow up of their transits | Dr. Parijat Thakur | UGC, New Delhi | 10.02 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023102245_projects%20part%20II.pdf> |
| Hydromagnetic Instabilities in Strongly Coupled Complex Plasmas | Dr. R. P. Prajapati | UGC, New Delhi | 15.00 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| CG Cost MRP | Dr K K Chandra | CG Cost CG Raipur | 4.90 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| Foliar transfer of airborne toxic heavy metals: Implications for heavy metal pollution management in air | Dr. Sudhir. Kumar Pandey | UGC, New Delhi | 14.70 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023101734_projects%20part%20I.pdf> |
| “Physiological……Aromatic hydrocarbons” | Dr. Vivekananda Mandal | DST-SERB | 39.44 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023102545_sanction%20order%20with%20release.pdf> |
| “Curbing pest…….for potential user” | Dr. Vivekananda Mondal | DST-NRDMS | 9.85 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03252023102645_NRDMS%20project%20sanction%20order.pdf> |
| PDF/2017/001365 NATONAL POST DOCTORAL FELLOWSHIP | DR. G. K. PATRA (MENTOR OF PDF FELLOW DR KALYANI ROUT ) | DST, New Delhi | 19.20 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/06302022042738_2.%20DST%20NPDF%202017-2018.pdf> |
| Development of normal rice husk feed stock supported nano meterials for the synthesis of privilidge medicinal scaffolds | Dr. Subhash Banerjee | Chhattisgarh Council Of Science And Technology (CGCOST), Raipur | 4.85 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/06302022042913_1.%20CCOST_SB-2017-2018.pdf> |
| Extramural Research (EMR) funding scheme of SERB | Dr. Nishant S Jain | SERB | 40.10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06242022035311_DST-SERB_Dr.%20N.%20S.%20Jain_2017.pdf> |
| Collaborative Research Scheme / Neutron diffraction studies into structural changes and magnetic interactions in Fe1-xMxVO4 (M = Cr, In and Al) solid solutions | Dr.Goverdhan Reddy Turpu | UGC DAE CSR, Mumbai | 12.65 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/07072022055255_TGR%2021_merged2.pdf> |
| Tailoring The Thermoelectric Properties in SnTe Nanocrystalline Thin Films using Ion Irradiation | Dr. Shiv Poojan Patel | IUAC, New Delhi | 6.00 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022110958_Financial%20Sanction%20Letter%20(62315).pdf> |
| PMMMNMTT | Dr. C.S. Vazalwar / Prof. V. S. Rathore | Ministry of Education | 710 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06282022021339_PMMMNMTT%20Project%20order%20merged.pdf> |
| **2018-2019** | | | | |
| EMR scheme/Metal complexes of amide based clidents for efficient synthesis of degredable benign polymers and sensing applications | Dr. G. K. Patra | DST, New Delhi | 49.00 | https://ggu.ac.in/Admin/Files/DepartmentDocument/06302022043007\_3.%20SERB-Notification\_GKP\_2018-2019.pdf |
| Sponsored project of Division of Educational Research / A study of ICT interation in the school system of JNVs of Chhattisgarh | Sambit K. Padhi | NCERT, New Delhi | 6.93 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06182022055728_ICT%20PROJECT.pdf> |
| The Empowerment and Equity Opportunities for Excellence in Science (EMEQ) | Dr. Jagadish Singh | DST-SERB | 32.84 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06242022035436_DST-SERB_Dr.%20J.%20Singh_2018.pdf> |
| Core Research Grant (CRG) | Dr.ParthaPratim Roy | DST-SERB | 25.35 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06242022054843_DST_SERB_Dr%20P%20P%20Roy_2018.pdf> |
| SERB-CRG/Neuro biology of obesity regulation and theraputic interventions | Dr. Rohit Seth / Dr. Monika Bhadauria | SERB | 68.51 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06232022054109_3.2.3%20Dr%20Rohit%20Seth%20and%20Dr%20Monika%20Bhadauria%202018-2019.pdf> |
| Synthesis and study of structural phase transition using temperature dependent Raman and infrared spectroscopy of NiCr2O4 and CoCr2O4 and their solid solutions Co1-xNixCr2O4 ( x = 0 to 1 ) | Dr. Ajai Kumar Gupta | UGC DAE CSR, Indore | 2.26 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/07012022044118_project.pdf> |
| Investigation of interplay of collective and magnetic rotation in medium mass In isotopes Probing synergistic effects of ion beam irradiations in Synergistic and swift heavy ion regimes in BiFeO3 based room temperature multi ferroics | Tarkeshwar Trivedi | IUAC New Delhi | 6.00 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022111645_IUAC-Project-2.pdf> |
| Probing synergistic effects of ion beam irradiations in Synergistic and swift heavy ion regimes in BiFeO3 based room temperature multi ferroics | Prof P K Bajpai | IUAC New Delhi | 6.00 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/07012022045245_project2018-19.pdf> |
| UFUP Scheme / Topological Insulator energy efficient and thermo electrical power generation materials | Dr. Pradip Das/Dr. T G Reddy | UGC DAE CSR, Indore | 0.9 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/07082022123656_Dr%20Pradip%20Das%20and%20Dr%20reddy%20project.pdf> |
| Week anti localization and quantum oscillation in topological insulator using ion e-radiation | Dr. Pradip Das | IUAC, New Delhi | 6.00 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/07082022124115_Pradip%20das%20IUCA%20_final.pdf> |
| UGC-SAP (DRS-II) | Dr. Vinod D. Rangari / Dr. Dilipkumar Pal | University Grants Commission (UGC) | 52.6 |  |
| **2019-2020** | | | | |
| ICSSR-IMPRESS | Dr. Nilakantha Panigrahi | ICSSR New Delhi | 10.50 | https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06182022050102\_NP%20ICSSR%20Impress%20Research%20Project.pdf |
| Extramural Ad-hoc Research Project | Dr. Akhlesh K Jain | ICMR, New Delhi | 19 | https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06242022041251\_ICMR%20\_Dr%20A%20J%20Jain\_2019.pdf.pdf |
| ISRO sponsored - Utilizing AstroSat Archival Dat a (SSPO )Exploring environemnets of Blackhole X-ray binaries using Astro Sat arcival data | Dr. Parijat Thakur | Indian Space Research Orginasation (ISRO), Bangalore | 19.78 | https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022011343\_Sanction%20Letter%20-2021.pdf |
| DST-FIST | Prof. Vinod D. Rangari/Dr Arjun Patra | Department of Science & Technology (DST) | 50 |  |
| **2020-2021** | | | | |
| UGC-BSR Research Start-Up-Grant | Dr. Vikas Chandra | UGC, New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06212022013723_UGC-BSR%20Research%20Start-Up-Grant%20Sanction%20Letter.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. S. Shweta | UGC, New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022033642_UGC%20Startup%20(S.%20Shweta).pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. Deepanker yadav | UGC, New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06212022013723_UGC-BSR%20Research%20Start-Up-Grant%20Sanction%20Letter.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. Ghoshna Jyoti | UGC, New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06212022013723_UGC-BSR%20Research%20Start-Up-Grant%20Sanction%20Letter.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. Suryabhan Singh | UGC, New Delhi | 10 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/06302022043126_4.%20UGCstartup%20letter%20SBS_2020-2021.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. Uday Pratap Azad | UGC, New Delhi | 10 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/06302022043412_5.%20UGC%20Start-up%20UPA-2020-2021.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. Niraj Kumari | UGC, New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06212022013723_UGC-BSR%20Research%20Start-Up-Grant%20Sanction%20Letter.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. Bijaneswar Mandal | UGC, New Delhi | 10 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/06302022043455_7.%20UGC%20Start-up%20BM-2020-2021.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr.Ajay Amit | UGC, New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06212022013723_UGC-BSR%20Research%20Start-Up-Grant%20Sanction%20Letter.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr.Chancal Kumar | UGC, New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06212022013723_UGC-BSR%20Research%20Start-Up-Grant%20Sanction%20Letter.pdf> |
| Mini Resarch Project | Dr. Bhawana Dixit | Chhattisgarh Council Of Science And Technology (CGCOST), Raipur | 3.7 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09092022053102_Bhavna_Dixit_CGCOST_Project.pdf> |
| Sponsored Research Project | Dr. Bhawana Dixit | State Planning Commission, Raipur | 5 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09092022053157_Bhavna_Dixit_SPC_Project_1.pdf> |
| Ion beam assisted metal induced crystallization of a-semiconductors | Dr. Shiv Poojan Patel | IUAC, New Delhi | 10.11 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022110910_Financial%20Santion%20Letter_58308.pdf> |
| DST-CRG | Dr. Jai Singh/ Prof. P.K.Bajpai | DST, NEW DELHI | 42.06 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022122514_Project%20SERB.pdf> |
| Investigation of the stapler and chiral bands in transitional nuclei | Dr. Tarkeshwar Trivedi | UGC-DAE-CSR, Kolkata | 4.16 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022111720_UGC-DAE-Project-3.pdf> |
| UGC-BSR Research Start-Up-Grant | Dr. R. Vijaya Kumar | UGC-New Delhi | 10 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022110552_Vijaya%20Sir%20startup%20project%20sanction%20letter.pdf> |
| CCSOT-MRP (MINOR RESEARCH PROJECT) | Dr. R. Mehta | Chhattisgarh Council Of Science And Technology (CGCOST), Raipur | 4.5 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/07262022010659_CCOST%20Sanction%20letter.pdf> |
| Financial support to M.Sc. Biotechnology Program | Dr. Renu Bhatt | Department of Biotechnology (DBT) | 180 |  |
| DST-FIST | Prof. P.K. Bajpai | Department of Science & Technology (DST) | 88 |  |
| **2021-2022** | | | | |
| ICSSR MINOR PROJECT | DR. SUBAL DAS | ICSSR NEW DELHI | 4 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08162022051905_ICSSR%20MINRO%20PROJECT%20(DR.%20S%20DAS).pdf> |
| SPONSORED RESEARCH PROJECT | Dr. Ajay Kumar Singh | STATE PLANNING COMMISSION, RAIPUR | 5 | <http://www.ggu.ac.in/Admin/Files/DepartmentDocument/08162022061547_AKS%20PROJECT.pdf> |
| MINI RESEARCH PROJECT | Dr. Garima Tiwari | Chhattisgarh Council of science and Technology | 3.4 | <http://www.ggu.ac.in/Admin/Files/DepartmentDocument/08162022052558_R.%20project%20GT.pdf> |
| Exploring sturcture -Properly Relationship in Polar magnet Fe2-xAxMo3-xWy O8 | GOVERDHAN REDDY TURPU | UGC DAE CSR, Indore | 8.87 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06292022014603_Sanctioned%20letter%20-2021%20final.pdf> |
| Exploring Multiferroicity in Hollandite type Mn - based Oxide Materials through Experimental and Theoretical Studies | GOVERDHAN REDDY TURPU | DST - SERB, NEW DELHI | 43.28 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08162022045754_SERB%20TGR.pdf> |
| Development of Self-Powered Flexible Photo detectors Based on Solution Processable Organic-Inorganic Two Dimensional Materials | Dr Arun Kumar Singh | SERB, New Delhi | 32.7 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08162022044903_AK%20singh%20SERB.pdf> |
| Tailoring the properties of 2D materials using WO3 and MoO3 nanostructures | Dr Arun Kumar Singh | UGC DAE CSR, Indore | 2.26 | [https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08162022045221\_UGC%20CRS%20%20AK%20singh.pdf](https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08162022045221_UGC%20CRS%20%20AK%20singh.pdf%0a) |
| CSIR - EMR | Prof. LVKS Bhaskar | CSIR | 7.14 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06232022054245_3.2.3%20Prof%20LVKS%20bhaskar%202020-2021.pdf> |
| Extramural Ad-hoc Research Project | Prof. LVKS Bhaskar | ICMR | 9.99 | <https://www.ggu.ac.in/Admin/Files/DepartmentDocument/06232022054324_3.2.3%20Prof%20LVKS%20bhaskar%202020-2021b.pdf> |
| Anticancer evaluation of novel hydroxamic acid as histone deacetylase inhibitors | Dr. Harish Rajak | ICMR | 18.17 | [https://www.ggu.ac.in/Admin/Files/DepartmentDocument/08292022050349\_ICMR%20\_dr%20Harish%20Rajak%20Project\_2022.pdf](https://www.rediffmail.com/cgi-bin/red.cgi?red=https%3A%2F%2Fwww%2Eggu%2Eac%2Ein%2FAdmin%2FFiles%2FDepartmentDocument%2F08292022050349%5FICMR%2520%5Fdr%2520Harish%2520Rajak%2520Project%5F2022%2Epdf&isImage=0&BlockImage=0&rediffng=0&rogue=191f94669eb2e1f6b336bf5724711a6c037f3f41&rdf=V3IDaQlvUyRdbVJnBjNXcQc9UzIANVEw) |
| NCST | Dr. Pushpraj Singh, Dr. Dilip Kumar | National Commission for Scheduled Tribes, Government of India, New Delhi, 110003 | 12.6 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/12162022111910_NCST_Project_PR%20Singh.pdf> |
| Minor Project - Impact of Covid-19 pandemic on livelihood of labours of MSME in Chhattisgarh (with special reference to Bilaspur District) | Dr. Ravindra Sharma | ICSSR, New Delhi | 2.5 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/12202022082718_Sanction%20Order%20(Project%20ICSSR)_ravindra%20Sharma.pdf> |
| DST-FIST | Zoology (Dr. LVKS Bhaskar) | DST, New Delhi | 150 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/12202022101247_FIST_sanction%20order_Zoology.pdf> |
| DST-FIST | Mathematics (Dr. J.P. Jaiswal) | DST, New Delhi | 60 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/12212022124938_Sanction%20Letter%20of%20DST-FIST%20project_maths_GGV-60%20L.pdf> |
| Adjuvanted nanoparticulate micro assemblies-based immunotherapy for Type I Diabetes | Dr. R.S. Pandey | ICMR, New Delhi | 6.23 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03202023084113_ICMR%20Ad%20hoc%20Project%20RSP.pdf> |
| Biology and pattern of genetic variation in Tamarindus indica in southern part of Chhattisgarh | Dr. S. S. Dhuria | Chhattisgarh Council of Science & Technology | 4.15 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03292023031817_SS%20Dhuria_CCOST.pdf> |
| Establishment of TEC at Guru Ghasidas Vishwavidyalaya, Bilaspur | Prof. P.K. Bajpai | DST-TDT | 356.6 | <https://ggu.ac.in/Admin/Files/DepartmentDocument/03292023032653_DST_TEC_2023.pdf> |