



Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
(A Central University)

Group Consultancy not using Lab Facilities

The following consultancy services related to PG and Ph.D. dissertation for science subjects (with special emphasis to medicinal plant research) shall be extended by Department of Pharmacy, Guru Ghasidas Vishwavidyalaya as per the below mentioned conditions.

Nature of consultancy offered and fees applicable

(No lab support shall be provided and consultancy in terms of strategizing and prioritizing experimental design, procedures and data interpretation along with calculation shall be rendered)

| Sl. No. | Nature of Consultancy | Services offered | Applicable fees | Mode of rendering consultancy | Name of faculty rendering consultancy |
|---------|--|---|--|---------------------------------|---|
| A | Molecular modeling & Docking studies (Computational Chemistry) | Complete hand holding support shall be extended for molecular structure generation, various property calculations (descriptors), QSAR related study, multivariate analysis, molecular docking analysis, ADMET screening <i>Insilco</i> . Software handling (free version only) support shall be provided. | Rs. 1000 (using free online software's) – software handling support shall be provided Rs 2000 (using licensed software) | Offline + Online (Blended mode) | Dr. Partha Pratim Roy & Dr. Jagadish Singh Email: partha.r.in@gmail.com ; jagadishpharm09@gmail.com Mobile: 7587472630 8319662943 |
| B | Plant Extraction & Phytochemical Screening (quantitative) | Complete hand holding support shall be offered for designing various extraction and fractionation protocols, sample enrichment and phytochemical screening (quantitative - such as total phenolics content, total flavonoids content, antioxidant activity, total alkaloids content, TLC direct-bioautography, dot-blot test, HPTLC fingerprinting, and | Rs. 1500 | Offline + Online (Blended mode) | Dr. Vivekananda Mandal v.mandal@ggu.ac.in Mobile: 7587472660 |

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| | | antioxidant based bioassay guided fractionation). Support regarding data interpretation and expression of result shall be provided | | | |
| C | Plant extract mediated synthesis of metal nanoparticles and their characterization | Complete hand holding support shall be extended for strategizing preparation of metal nanoparticles (silver, gold, zinc oxide, copper & copper oxide, and iron oxide) of various herbal extracts followed by understanding their characterization. | Rs. 500 for each metal nanoparticle | Offline + Online (Blended mode) | Dr. Arjun Patra Email: arjun.patra@ggu.ac.in drarjunpatra22@gmail.com Mobile: 7587471798 |
| D | Formulation and characterization of micellar preparation and PLGA nanoparticles | Complete hand holding support shall be extended for strategizing preparation of micellar preparation (thin film hydration method) and PLGA nanoparticles (nanoprecipitation method) and their physicochemical characterization. | Rs. 500 for each formulation | Offline + Online (Blended mode) | Dr. Arjun Patra Email: arjun.patra@ggu.ac.in drarjunpatra22@gmail.com Mobile: 7587471798 |
| E | Bioassay guided fractionation for exploring medicinal plants | Development of bioactive molecules as anticancer, antimicrobial, antioxidant, anti-inflammatory, antidiabetic, analgesic, and antipyretic agents. | Rs. 300 for each biological activity | Offline + Online (Blended mode) | Dr. Arjun Patra Email: arjun.patra@ggu.ac.in drarjunpatra22@gmail.com Mobile: 7587471798 |
| F | In vitro anticancer activity (cell culture technique) | Fundamental principles in Cell culture and MTT assay. | Rs. 500 | Offline + Online (Blended mode) | Dr. Arjun Patra Email: arjun.patra@ggu.ac.in drarjunpatra22@gmail.com Mobile: 7587471798 |
| G | Writing and publishing a research paper (Pharmaceutical science, Biological and life science subjects) | 1. Selection of suitable journal 2. Suggestion in compilation of data 3. Guiding in arrangement of different sections as per journal requirement 4. Easy referencing tools | Rs. 500 | Offline + Online (Blended mode) | Dr. Arjun Patra Email: arjun.patra@ggu.ac.in drarjunpatra22@gmail.com Mobile: 7587471798 |
| H | Pre-clinical pharmacological studies | Complete hand holding support shall be extended for designing, | Rs. 500 for each neuropharmacological protocol | Offline + Online (Blended mode) | Dr. Nishant Sudhir Jain nishant.jainggu@gmail.com |

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| | interpretation, data compilation, statistical graphical presentation of animal experimental protocols with special emphasis to neuropharmacology such as protocols for Screening antidepressant, antipsychotic, antianxiety, nootropic, antiOCB, analgesic, anti-inflammatory, CNS stimulant/depressant, muscle relaxant, anticonvulsant activity using various animal paradigms. Procedural details for ICV cannulation (using digital stereotaxic apparatus) and cryostat sectioning will also be provided. | Rs 250 each for cannulation and cryostat sectioning (procedural explanation only) | mode) | Mobile: 8827989653 |
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Guidelines for availing the consultancy services

1. Persons interested in availing the consultancy services for the above mentioned items should deposit the fees to the University in below mentioned Account before availing the services. Proof of payment need to be produced along with UTR number to the concerned faculty offering the consultancy for confirmation.

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| Name of account holder | Registrar GGV Consultancy Services IT |
| Account Number | Bank of India |
| Name of Bank | 947410110001063 |
| IFSC | BKID0009474 |
| Branch name | GGV Koni Bilaspur |

2. No laboratory support shall be provided. Consultancy shall be limited to strategizing and prioritizing experimental designs, procedures to be adopted and data interpretation and along with calculation. Necessary suggestions regarding sample analysis at various government labs may be given.
3. After payment of fees, the candidate has to apply in writing with necessary documents (payment receipt and nature of category of consultancy required A-G) to the office of Department of Pharmacy.
4. Consultancy shall be provided in both offline and online mode (blended mode).

Dr. Vivekananda Mandal

Dr. Arjun Patra

Dr. Partha Pratim Roy

Dr. Nishant S. Jain

Dr. Jagadish Singh

HOD (Pharmacy)

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