

## Ongoing Projects in the Department of Zoology

| Name of Principal Investigator | Title of the project   | Duration  | Funding Agency | Amount (in Lakh Rs) |
|--------------------------------|--|-----------|----------------|---------------------|
| Prof. Omkar                    | Biocontrol and Pest Management   | 2010-2013 | COE, UP Govt   | ~200.00 L           |
| Prof. Madhu Tripathi           | Study on fluoride toxicity and aquaculture with special reference to fresh water fishes.   | 2010-2013 | UGC            | 6.64 L              |
| Prof. Sunil K Trivedi          | RAPD monitored ameliorative potential of Sarpandha root extract against Carbofuran toxicity in a fish model: An approach to safeguard fish production. | 2010-3013 | UGC            | 6.768 L             |
| Prof. Sudhir Kumar             | Evaluation of chromium toxicity in human population with reference to genotoxicity.  | 2010-2013 | UGC            | 11.543 L            |
| Dr. A. M. Saxena               | 1.Search for indigenous blood sugar lowering herbs for treatment of diabetes.  | 2008-2011 | CST, UP        | ~5.00 L             |
|                                | 2.Taxonomical Studies on Acanthocephalan Parasites Infesting Important Fresh Water Food Fishes of India  | 2011-2014 | UGC            | 7.718 L             |

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|--|---|-------------|-----------------------------|----------|
| Prof. Sangeeta Rani                        | 1. Regulation of circadian and seasonal response in birds: role of social cues.   | 2009-2012   | UGC                         | 9.238 L  |
|  | 2. Avian circadian & reasonal system : A study from behaviour to molecule.  | 2006-conti. | DST-IRPHA                   | 266.00 L |
| Dr. Mohd. Serajuddin & Prof. Sangeeta Rani | Intraspecific diversity in the spiny eel : A Physiological and molecular study.   | 2009-2012   | DST                         | 40.00 L  |
| Dr. M Serajuddin                           | Phenotypic manifestations of genetic polymorphism in the Dwarf Gourami: morphometric, meristic and molecular study                          | 2010-2013   | UGC                         | 6.978 L  |
| Dr.Amita Kannaujia                         | 1.A study on the eagle ( <i>Milvus</i> sp) population decline from Bundelkhand region with special reference to pathological investigation. | 2008-2011   | UGC                         | 7.56 L   |
|  | 2.Annotated and colored checklist of Reptiles and Amphibians of Ultar Pradesh.  | 2011-       | UP state Biodiversity Board | 3.5 L    |
|  | 3.Monitoring of Roosting and Breeding sites of Vultures in Jhansi, Lalitpur, Jalaun, and Mohaba.  | 2011-       | UP state Biodiversity Board | 5.2L     |
| Dr. Monisha Banerjee                       | 1. Association of <i>CD36</i> locus in Type 2 Diabetes and associated atherosclerosis.  | 2008-2011   | DBT                         | 27.22 L  |
|  | 2. Non-invasive method for prenatal diagnosis and mechanism of fetal DNA release into the maternal circulation.                             | 2009-2012   | UGC                         | 8.378 L  |
|  | 3. A prospective study of <i>c-kit</i> gene mutation, Cytochrome P-450 and Glutathione S-transferase polymorphisms in cervix cancer.”       | 2011-2014   | UP-CST                      | 7.14 L   |
|  | 4. Association of oxidative stress pathway gene polymorphisms with Type 2 diabetes and related complications.”                              | 2011-2014   | ICMR                        | 44.72 L  |
|  | 5. Association of cytokine gene polymorphisms with Type 2 diabetes and related complications in North Indian population.                    | 2011-2013   | DST                         | 15.0 L   |

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|---------------------------------------|--|-----------|--------|----------|
| Dr. Mohd Arshad &<br>Dr. Shalie Malik | Role of GnIH in the regulation of seasonal breeding in photoperiodic and non-photoperiodic birds | 2009-2012 | DST    | ~35.00 L |
| Dr. Shalie Malik                      | Spectral sensitivity of the circadian system in the migratory Bunting.                           | 2009-2012 | UGC    | 7.523 L  |
|                                       |  | 2011-     | UP-CST | ~7.00 L  |
| Dr. Mohd Arshad                       | Effect of <i>Cissus quadrangularis</i> on bone cells proliferation and apoptosis.                | 2010-2013 | UGC    | 7.728 L  |