



# J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD

(Formerly YMCA University of Science and Technology, Faridabad)

(NAAC Accredited 'A' Grade State Govt. University)

## Detail of Research Scholars in the Department of Physics

| Sr. No. | Name of Research Scholar | Registration No. | Date of Registration | Mode of PhD (Part time/full time) | Category | Topic of Research   | Details of Funding/ Fellowship, if any (Name, Amount, period) | Name of Supervisor with affiliation                                   | Name of Co-supervisor with affiliation                          | Status Awarded /Submitted with date/Pursuing |
|---------|--------------------------|------------------|----------------------|-----------------------------------|----------|---|---|---|---|--|
| 1       | Afsana                   | 18-YMCA-911001   | 01-08-2018           | Full time                         | BC-A     | Fabrication and characterization of two-dimensional layered materials for printed electronic devices      | UGC fellowship<br>Amount-35,000+HRA<br>Period-5 years         | Dr. Sonia (Associate Professor)<br>JCBUST, YMCA, Faridabad            | -----   | Pursuing                                     |
| 2       | Anita Sharma             | 18-YMCA-911002   | 01-08-2018           | Full time                         | General  | Synthesis and Characterization of Polyaniline and its composites for opto-electrical sensing applications | URS (10,000/-)<br>3 years (01-08-2018 to 31-07-2021)          | Dr. Parveen Kumar (Assistant Professor),<br>JCBUST, YMCA, Faridabad   | -----   | Pursuing                                     |
| 3       | Krishna                  | 14-YMCA-U-786    | 01-08-2018           | Full time                         | General  | Synthesis and characterization of Graphene based hybrid nanocomposite thin films                          | URS (10,000/-)<br>3 years (01-08-2018 to 31-07-2021)          | Dr. Anuradha Sharma, (Associate Professor)<br>JCBUST, YMCA, Faridabad | Dr. Arun Kumar (Assistant Professor)<br>JCBUST, YMCA, Faridabad | Pursuing                                     |
| 4       | Pooja Singh              | 160010302042     | 22-07-2019           | Full time                         | SC       | Mechanical and Tribological Properties of Carbon Reinforced Polymer nanocomposites                        | CSIR (SRF)<br>35000/- + HRA                                   | Dr. Arun Kumar (Assistant Professor)<br>JCBUST, YMCA, Faridabad       | Dr. Swati Sharma, MNIT Jaipur                                   | Pursuing                                     |
| 5       | Aarti                    | 19-YMCA-911001   | 22-07-2019           | Part time                         | General  | Study of Charge transport mechanism in Polypyrrole based nanocomposites for electrical applications       | -----   | Dr. Parveen Kumar (Assistant Professor),<br>JCBUST, YMCA, Faridabad   | -----   | Pursuing                                     |



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| 6  | Shweta         | 19-YMCA-911005 | 22-07-2019 | Part time | General | Tailoring optoelectronic properties of 2D TMDs for energy harvesting applications                     | -----                      | Dr. Arun Kumar (Assistant Professor) JCBUST, YMCA, Faridabad     | Dr. Vinamrita Singh, Assistant Professor Physics. NSUT, East Campus, Delhi | Pursuing |
| 7  | Tamanna Sharma | 19-YMCA-91107  | 22-07-2019 | Full time | General | Study of Optoelectronic, Dielectric relaxation and Conduction behaviour of Polystyrene Nanocomposites | CSIR (SRF) 35000/- + HRA   | Dr. Maneesha Garg (Associate Professor), JCBUST, YMCA, Faridabad | -----  | Pursuing |
| 8  | Ankita         | 19-YMCA-911009 | 29-01-2020 | Full time | General | Bandgap tuning and Magnetism in Cerium Oxide based Nanocomposites                                     | CSIR (SRF) 35000/- + HRA   | Dr. Parmod Kumar (Assistant Professor), JCBUST, YMCA, Faridabad  | -----  | Pursuing |
| 9  | Priyanka       | 19-YMCA-911010 | 31-01-2020 | Full time | BC-B    | Design, Fabrication and Testing of Patch Antenna Sensor   | JRF(UGC) 31000+HRA 5 years | Dr. Sonia Associate Professor, JCBUST, YMCA, Faridabad           | Dr. Preet kaur Assistant Professor, JCBUST, YMCA, Faridabad                | Pursuing |
| 10 | Komal Gupta    | 20-YMCA-911002 | 09-11-2020 | Full time | General | Fabrication and Characterization of GaN based Devices for Harsh Radiation Environment                 | URS (10000/-)              | Dr. Yogita (Assistant Professor), JCBUST, YMCA, Faridabad        | Dr. Ashish Kumar, UPES Dehradun  | Pursuing |
| 11 | Sapana         | 20-YMCA-911003 | 09-11-2020 | Full time | BC-A    | Synthesis and characterization of MgO based Nanocomposites for Potential Applications                 | -----                      | Dr. Parmod Kumar (Assistant Professor), JCBUST, YMCA, Faridabad  | Dr. Navish Kataria (Assistant Professor), JCBUST, YMCA, Faridabad          | Pursuing |
| 12 | Tripti         | 20-YMCA-911004 | 09-11-2020 | Full time | General | Development of Carbon Quantum Dots for Water Remediation  | -----                      | Dr. Parmod Kumar (Assistant Professor), JCBUST, YMCA, Faridabad  | -----  | Pursuing |



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| 13 | Anjali         | 2100191100<br>1 | 16-10-2021 | Full time | General | Energy Storage Devices   | -----                       | Dr. Anurag Gaur<br>(Associate<br>Professor),<br>JCBUST, YMCA,<br>Faridabad  | Dr. R. K. Kotnala,<br>National Physical<br>Laboratory, New<br>Delhi | Pursuing |
| 14 | Anu Bala       | 2100191100<br>2 | 16-10-2021 | Full time | SC      | Enhancement of sensing<br>Properties of TiO <sub>2</sub><br>Reinforced Polymer<br>nanocomposites for<br>defence applications | CSIR (JRF)<br>31000/- + HRA | Dr. Arun Kumar<br>(Assistant<br>Professor)<br>JCBUST, YMCA,<br>Faridabad)   | Dr. Amitanshu<br>Pattnaik, DRDO,<br>New Delhi                       | Pursuing |
| 15 | Kapil<br>Kumar | 2100191100<br>3 | 16-10-2021 | Full time | BC-B    | -----  | URS<br>(10000/-)            | Dr. Parveen Goel<br>(Assistant<br>Professor),<br>JCBUST, YMCA,<br>Faridabad | -----   | Pursuing |