

### Academic Research

Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.

- Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc.(15)
- Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute(5)

All relevant details shall be mentioned.

#### *Ph.D. Guidance*

| Research Guide               | Name of the Scholar      | Topic of the research   | University & Year of registration   | Status             |
|------------------------------|--------------------------|---|---|--------------------|
| <b>Dr. A. K. Nagpal</b>      | Jagrati Kandpal          | Effect of thermoplastic on thermal and mechanical properties of multifunctional epoxies                                   | AKTU, Lucknow   | Awarded 2016       |
| <b>Dr. Deepak Srivastava</b> | Shrawan Kumar Shukla     | Studies on cardanol based resin systems for application in protective coating   | AKTU, Lucknow   | Awarded 2018       |
|                              | Riya Srivastava          | Development of modified epoxy matrix from furfural  | AKTU, Lucknow   | Awarded 2017       |
|                              | Manoj Kumar Shukla       | Study of thermal and mechanical properties of nano CaCO <sub>3</sub> modified DGEBA Epoxy matrix/Glass fiber composites   | AKTU, Lucknow   | Awarded 2018       |
|                              | Indrajeet Sen            | Studies on method development for analysis of food and food products  | AKTU, Lucknow   | Under Progress     |
|                              | Harendra Kumar           | Preparation and characterization of NBR-PP-MMT and NBR-PP-HNT elastomer nanocomposites                                    | AKTU, Lucknow   | Under Progress     |
|                              | Surendra Pd. Pal         | Mathematical modelling and simulation of polymeric hydrogels  | AKTU, Lucknow   | Awarded 2018       |
|                              | Shilpi Tewari            | Studies on effect of Nano filler on Chemical, Mechanical and thermal properties of Epoxy/ Fly ash Polymer Nano Composites | HBTU, Kanpur  | New Admission 2018 |
|                              | <b>Dr. Reena Singhal</b> | Miss Tripti Singh   | “Synthesis and Characterization of Multifunctional copolymeric Hydrogels” | AKTU, Lucknow      |

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|--|-----------------------|--|------------------|--------------------------|
|  | Miss Shipra Agnihotri | “Synthesis and Characterization of Multicomponent Ionic Hydrogels based on Natural Carbohydrates for Water purification” | AKTU,<br>Lucknow | Thesis submitted<br>2018 |
|--|-----------------------|--|------------------|--------------------------|