

## Academics

### **1. Subjects Taught:**

- Fluid Mechanics
- Transport Phenomena in Materials Engineering I
- Transport Phenomena in Materials Engineering II
- Material Science and Engineering
- Polymer Composites
- Compounding Technology
- Polymer Recycling
- Rheology of Polymers
- Testing of Polymers
- Fluid Mechanics Laboratory
- Chemical Engineering Laboratory
- Polymer Preparation Laboratory
- Polymer Characterization Laboratory

### **2. BE Final Year Projects Guided** (in the reverse chronological order)

- Studies on Accelerator Combinations for Tyre Flap Compound Cost Reduction, by Daniyal Shaistha, Divya Shetty and Harshitha Raj C at JK Tyres Private Ltd., Mysuru, 2017.
- Pyrolysis of Expanded Polystyrene Waste using Batch Type Reactor, by Bhoomika S, Monica T, Sinchana B L, Supriya H N and Raghukumar R at SJCE, Mysuru, 2017.
- Preparation and Characterization of PP/PMP/EVOH Blends, by Aishwarya R, Jeevan Kumar S C, Ashish R and Divyashree K at Printpack Packaging Supplies (India) Pvt. Ltd., Bengaluru, 2016.
- Copper Nanoparticles Incorporated Antimicrobial Packaging Films, by Sabeela Mariyam, Momina Begum, Srikanth Kini M and Harshith S at DFRL, Mysuru, 2015.
- Microwave Curing of Epoxy/Glass Fiber Composites using Ceramic Moulds, by Ravichandra H S, Uday S, Vedavyas K and Arpitha R at NAL, Bangalore, 2014.
- Studies on Isothermal Crystallization of Nylon 6,6/LDPE Blends, by Mohammed Iqbal at SJCE, Mysuru, 2014.
- Effect of CNT on Mechanical properties of RTM epoxy nanocomposites manufactured by VARTM process, by Anusha H J, Hiranya N, Shreya Venkatesh and Rekha Kini at NAL, Bangalore, 2013.
- Evaluation of Mixing Sequence with the Process Variables on Butyl Rubber, by Nichay K. S and Sevanth Kumar B. R at MYPOL, Mysuru 2012.
- Compounding and Process Validation in the Manufacture of Automotive Butyl Rubber Inner Tube, by V. Varun, Shashwat Pise and Nanaiah N.P at Dunlop Polymers Private Limited, Mysuru, 2012.

### **3. M Tech Final Year Projects Guided** (in the reverse chronological order)

- Preparation and Characterization of Synthetic Rubber Based and Acrylic Based Removable Pressure Sensitive Adhesives Tape. By Mr. Denzil Sebastain at 3M, Pune 2015.
- Miscibility and Phase Behavior Studies of Polystyrene/Polycarbonate Blends. By Ms. Syeda Suman Fathima at SJCE, Mysuru, 2014.
- Investigation on physico-mechanical, thermal, tribological and morphological behaviors of nylon 6 composites. By Ms. Pruthvi L, at Brakes India Pvt. Ltd., Nanjungud, 2013.
- Studies on Biocompatible Adhesive for Long Lasting Adherence in ECG Application. By Mr. Gnana Sandeep S. R, at Axiom Consulting, Bangalore, 2012.