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List of Publications

1. **Dipti Saxena**, Narendren Soundararajan, Vimal Katiyar, Dipak Rana, and Pralay Maiti. "Structural, mechanical, and gas barrier properties of poly (ethylene terephthalate) nanohybrid using nanotalc." Journal of Applied Polymer Science. 2020;137(27):48607.
2. **Dipti Saxena**, Karun Kumar Jana, Narendren Soundararajan, Vimal Katiyar, Dipak Rana, and Pralay Maiti. "Potency of nanoclay on structural, mechanical and gas barrier properties of poly (ethylene terephthalate) Nanohybrid." Journal of Polymer Research. (2020);27(2):1-9.
3. **Dipti Saxena**, Dipak Rana, E. Bhoje Gowd, and Pralay Maiti. "Improvement in mechanical and structural properties of poly (ethylene terephthalate) nanohybrid." SN Applied Sciences 2019;1(11):1-11.
4. **Dipti Saxena**, and Pralay Maiti. "Utilization of ABS from plastic waste through single-step reactive extrusion of LDPE/ABS blends of improved properties." Polymer. 2021;221:123626.

Book Chapters

1. Polymer Composites in Aerospace Applications. **Dipti Saxena** and Pralay Maiti. Progress and Prospects in Nanoscience Today. 2020 Nova Publication.
2. Polymer Composites for Structural, Device, and Biomedical Applications. Anupama Gaur, Aparna Shukla, **Dipti Saxena**, and Pralay Maiti. Materials Science and Technology. 2019 Wiley. DOI: <http://dx.doi.org/10.1002/9783527603978.mst0455>

Patent

1. A novel Polymer Blend Utilizing Waste Plastics and Process of Preparation Thereof. Pralay Maiti and **Dipti Saxena** Indian Patent Application No. 201911031635 filed on 5th August, 2019

Conference Contributions

1. Poster presentation in International Plastic Exhibition, Plastivision, Bombay Exhibition Centre 2017, Mumbai, India.
2. Poster presentation in International Conference on Polymer Science and Technology SPSI Macro 2018, Pune, India
3. Oral Presentation in International Conference on Recent Advances in Composite Materials, ICRACM-2019, Varanasi, India.
4. Oral Presentation in International webinar on Polymers, Plastics and Composites, PPC-2020.