Dr. Munmun Priyadarsini

Designation: Faculty in Chemistry

Qualification: M.Sc, M. Phil, PhD
Date of Birth: 20.07.1991
Date of joining: 01.07.2019
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Area of Interest

Polymer Chemistry, Material Sciences, Bio- organic chemistry, Environmental Chemistry, Plastic Engineering

Courses taught

Organic chemistry, polymer chemistry, green chemistry, industrial chemistry, bio-organic chemistry

Career

Faculty (2019-present): Rama Devi Women's University, Bhubaneswar

Teaching Experience

04 years

Research Experience

07 years

Publications

Journal publications **(Give the entire list of publication in Scopus/SCI-WoS/UGC care only)**

1. Priyadarsini, M; Biswal, T; Dash, S. (2020)Biodegradable superabsorbent with potential biomedical application as drug delivery system of "pectin-g-P(AN-co-AM)/chicken eggshell" bio-composite. *Polym. Bull*.1,1-13https://doi.org/10.1007/s00289-020-03424-9

2. Priyadarsini, M; Biswal, T. (2020) Green synthesis, swelling behaviour and orthopaedic application of polysaccharide based hydrogel, Indian Journal of Chemical Technology, 27, 515-520

3. Priyadarsini, M; Biswal, T. (2020) Recent Progress on the Design and Applications of Guar Gum Based Nano Hydrogel “Guar Gum-g-P(HEMA-co-AM)/Chicken Eggshell” as Superabsorbent ,Egypt.J.Chem. 63,3, 851-859

4. Priyadarsini, M; Biswal, T; Dash, S. (2019) Sustainable Biocomposite Its Manufaturing Processes and Applications, Egypt.J.Chem. 62, 4, 1151 - 1166

Priyadarsini, M; Biswal, T; sahoo, p k. (2017) Advances in zein- based hybrid bio-nanocomposite : a short review, International Journal of Development Research, 07, 09, 14929-14941

5. Priyadarsini, M; Biswal, T; sahoo, p k. (2016)a short review on fire retardant polymeric materials, EJBPS, 3, 8, 108-116.

Book/book chapter Publications (entire list of books/book chapters)

1. Priyadarsini, M; Biswal, T. (2019) Green Composite Materials its Manufacturing Processes, Properties and Applications,Research trends inChemicalSciences, 01-24

Priyadarsini, M; Biswal, T. (2020) Dyeing ProcessingTechnology:Waste Effluent Generated FromDyeing and Textile Industries and ItsImpact on Sustainable Environment, 115-145