

Name Dr. Rajkumar Thakur
Designation: Associate Professor
Department: Chemistry
Qualifications: MSc. Ph.D.SLET
Teaching Experience: 24 Years
E-mail rajthakur1809@gmail.com
Contact Number 8219010575



Publications:

1. A comparative study on the graft copolymerization of acrylic acid onto rayon fibre by a ceric ion redox system and a γ -radiation method I Kaur, R Kumar, N Sharma Carbohydrate Research 345 (15), 2164-2173

<https://www.sciencedirect.com/science/article/abs/pii/S0008621510002739>

2. Functionalization of poly(tetrafluoroethylene-co-ethylene) film by radiation-induced graft copolymerization I Kaur, R Kumar, B Singh, BN Misra, GS Chauhan Journal of applied polymer science 78 (6), 1171-1178

<https://onlinelibrary.wiley.com/doi/abs/10.1002/1097-4628%2820001107%2978%3A6%3C1171%3A%3AAID-APP10%3E3.0.CO%3B2-1>

3. Radiation induced graft copolymerization of methyl acrylate and ethyl acrylate onto poly (tetrafluoroethylene-co-ethylene) film I Kaur, BN Misra, R Kumar, B Singh Polymers and Polymer Composites 10 (5), 391-404

<https://journals.sagepub.com/doi/abs/10.1177/096739110201000506>

4. Synthesis and characterization of apple pectin acrylamide based hydrogel thermal induced graft copolymerization pp. 252-259 Chemical Science Reviews and let

https://chesci.com/wp-content/uploads/2022/06/22_CS205302451_Completed-1.pdf

5. Radiation induced graft polymerization of ethylacrylate onto poly(tetrafluoro ethylene) film by discontinuous method. 123-132

https://hero.epa.gov/hero/index.cfm/reference/details/reference_id/1143521

6. Radiation -Induced Graft Copolymerization of Binary Mixture of Methacrylonitrile And Ethylacrylate Onto Poly (Tetrafluoroethylene Co-Ethylene) Film by B.N. Misra, Baljit Singh , G. Siva Kumar, Inderjeet Kaur , R. Nanthini, Raj Kumar

<https://www.printspublications.com/journal/journalofpolymermaterialsaninternationaljournal13712463644>

Paper Presentation:

1. Presented a paper entitled “Synthesis of pH sensitive graft co-polymers for controlled drug release” in national conference science and technology for a sustainable future held at DAV College, Jalandhar (Pb.) w.e.f. 6th March, 2020 to 7th March, 2020
2. Presented a paper entitled “Sustainability in waste management” in multi-disciplinary two days international conference organized by Rupi Seraj Kala Manch Sadhna Sthali at Kullu (H.P.) w.e.f. 29th October, 2022 to 30th October, 2022
3. Presented a paper entitled “Polymerization of water insoluble Vinyl monomer (Styrene) under phase transfer conditions” in national conference on recent advances in science and technology for sustainable development held at DAV College, Bathinda (Pb.) on 5th March, 2022
4. Presented a paper entitled “Acrylamide polymerisation using phase transfer catalysis in aqueous toluene system” in international conference on Recent Trends in Bio and Material Sciences on 10/11/2022 organised by Him Congress Association at Sardar Patel University Mandi,

Books Published:

1. Organic Chemistry by Satya Prakashan Publications for B.Sc. 1st Years Students
2. Organic Chemistry by Satya Prakashan Publications for B.Sc. 2nd Years Students
ISBN: 978-93-91826-09-3

Research Guidance:

1. Guided Four Students for M. Phil Thesis