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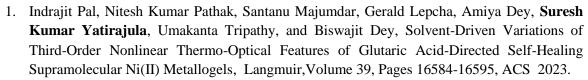
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List of Publications



- 2. Indrajit Pal, Santanu Majumdar, Gerald Lepcha, Kazi Tawsif Ahmed, Suresh Kumar Yatirajula, Subhratanu Bhattacharya, Rudra Chakravarti, Bireswar Bhattacharya, Swadesh Ranjan Biswas, and Biswajit Dey, Exploration of Variable Solvent Directed Self-Healable Supramolecular M(II)-Metallogels (M = Co, Ni, Zn) of Azelaic Acid: Investigating Temperature-Dependent Ion Conductivity and Antibacterial Efficiency, ACS Applied Bio Materials, Volume 6, Page 5442–5457, ACS 2023
- 3. Jinesh Machale, **Suresh Kumar Yatirajula**, and Vinod Kumar Saxena, Implementation of Xanthan Gum–Polyacrylamide Blend, Surfactant, and Alkali Assembly for Enhanced Oil Recovery: A Rheological and Phase Behavior Analyses Approach, Petroleum Science and Technology, 1-12, Taylor& Francis 2022.
- 4. Santosh Routu, Jagan Mohan Rao Malla, **Suresh Kumar Yatirajula**, Nageswara Rao Uppala Effect of hydrogen coverage on elastic and optical properties of silicene: a first-principle study Journal of Molecular Modeling, Volume 28, Springer 2022.
- 5. Sweta Sarangi, **Suresh Kumar Yatirajula**., and Vinod Kumar Saxena Evaluation of linear and nonlinear rheology of micro fibrillated cellulose, Journal of Coatings Technology and Research, volume 18, pages1401–1411, Springer 2021.
- 6. **Suresh Kumar Yatirajula**, Anuj Srivastava, Vinod Kumar Saxena, and Jagadeeshwar Kodavaty. Flow behavior analysis of Chlorella Vulgaris microalgal biomass, Heliyon, e01845, Elsevier 2019.

Conferences Proceedings

- 1. Praveen Kumar Jha, Vinod Kumar Saxena, **Suresh Kumar Yatirajula**, Nikhil Nambiar, Effect of Particle Size Distribution (PSD) on the Rheology of Coal Water Slurry (CWS), International Journal of Chemical Engineering and Processing
- Ankit Jain, Vivek Bajpai and Suresh Kumar Yatirajula, Fabrication and Characterization of Conical Micro Dimple Textures on Ti6Al4V for Higher Biocompatibility ASME 2020 15th International Manufacturing Science and Engineering Conference



- 3. Rishi Jain, Shreyash Yadav, Sachin Bisht, Jagadeeshwar Kodavaty, **Suresh Kumar Yatirajula**, Effect of concentration, size, granularity, shear time and temperature on rhelogical properties of coal water slurries, IOP Conference Series: Materials Science and Engineering
- 4. R Santosh, U Nageswara Rao, M Rao, **Suresh Kumar Yathirajula**, V Kumar, The Anisotropy and Birefringence of Monolayer WS Semiconductor, Micro and Nanoelectronics Devices, Circuits and Systems
- Sweta Sarangi, Suresh Kumar Yatirajula, Microfibrillated Cellulose Based Renewable Smart Material: Preparation and Rheological Studies of Suspension International Journal of Research In Science & Engineering, CHEMCON Special Issue: March 2018
- Praveen Kumar Jha, Vinod Kumar Saxena, Suresh Kumar Yatirajula, Ayanagounder Kumar, Impact of Natural Polymer (Xanthan Gum) and Bentonite Clay on the Development of Oil-In-Water (O/W) Emulsion Drilling Fluids, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075 (Online), Volume-10 Issue-10, August 2021

Book Chapter

1. Jagadeeshwar Kodavaty, **Suresh Kumar Yatirajula**, Abhishek Kumar Gupta, and Rejeswara Reddy Erva, **Hydrogels** Fundamentals to Advanced Energy Applications, Characteristics of Hydrogels, Page 83-100 Edition1st September CRC Press 2023.