Dr. Rahul Shrivastava

Assistant Professor(SG), T & P Coordinator

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Areas of Interest: Process monitoring, fault detection and diagnosis, modeling and simulation, and machine learning techniques.

Brief Profile:

Dr. Rahul Shrivastava has done PhD in Chemical Engineering from JUET, Guna, ME in Chemical Engineering from BITS, Pilani, and BE in Chemical Engineering from MITS, Gwalior. Worked as Lecturer in department of chemical engineering of Institute of Engineering, Jiwaji University, Gwalior from 2004 to 2007. Worked as Lecturer in department of chemical engineering of Hindustan College of Science & Technology, Farah, Mathura from 2007 to 2008. Working as Assistant Professor (Grade-SG) in department of chemical engineering of Jaypee University of Engineering & Technology, Guna from 2008 to till date.

Publication@JUET

Publication details google profile link

1. RK Arya, J Sharma, R Shrivastava, D Thapliyal, GD Verros, "Modeling of Surfactant-Enhanced Drying of Poly(styrene)-p-xylene Polymeric Coatings Using Machine Learning Technique" , Coatings, pp. 1529, 2021. (Publisher: MDPI)

2. R Shrivastava, "Comparative Study of Boosting and Bagging based methods for fault detection in a chemical process," IEEE International Conference on Artificial Intelligence and Smart Systems (ICAIS), pp. 674-679, 2021. (Publisher: IEEE)

3. R Shrivastava, K N Gupta, N N Dutta, " Performance Assessment of Ensemble Decision Tree-based Fault Detection System in a Chemical Process," International Journal of Applied Engineering Research, 13(9), pp. 7190-7196, 2018.

4. R Shrivastava, H Mahalingam, N N Dutta, "Application and Evaluation of Random Forest Classifier Technique for Fault Detection in Bioreactor Operation," Chemical Engineering Communications, 204, pp. 591-598, 2017. (Publisher: Taylor & Francis)

5. R Shrivastava, H Mahalingam, N N Dutta, " Optimum Parameters for Fault Detection in Bioreactor using Support Vector Machine and Neural Networks," International Journal for Research for Applied Science and Engineering Technology, 5, pp. 354-364, 2017.

6. K Rajurkar, N Kulkarni, V Rane, R Shrivastava, " Selective Oxidation of Toluene to Benzaldehyde using Cu/Sn/Br Catalyst System," International Journal of Chemical Sciences, 9, pp. 545-552, 2011.