

Gautam Prasad Dewangan

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Educational Qualification:

- B.E. (2007) – Chemical Engg. I.T. GGU, Bilaspur (C.G.) (Now Central University)
- M. Tech. (2011) – National Institute of Technology, Warangal.
- PhD pursuing (Dept. of Chemical Engineering, School of Engineering and Technology, GGV, Bilaspur).

Teaching Experience (About 10 years)

- Worked as lecturer (Adhoc) in NIT Warangal during (July-2011 to April-2012)
- Joined as an Assistant Professor in Chemical Engineering Department at GGV, Bilaspur (A central University) from April-2012 to till date.

Industrial Experience (1 year)

Worked as Graduate Engineer Trainee, In Monnet Ispat and Energy Limited. Raigarh.

R&D Experience (About 1 year)

Worked as a Project Assistant-II, In National Metallurgical Laboratory, Jamshedpur.

Achievements:

- Awarded Gold Medal in B.E. Chemical Engineering by GGV, Bilaspur
- Awarded Ambuja's Young Researcher by CHEMCON-2011, At Bangalore.
- Awarded Junior Research Fellowship by NML-Jamshedpur.

Positions of Responsibilities:

- Maintenance in charge in Department of Chemical Engineering
- Coordinator B. Tech First Year
- Co-coordinator Techfest 2016
- Coordinator CHESS society

Publications:

- G.P. Dewangan, S.N. Saha “Prediction of minimum and complete fluidization velocity and transport disengaging height of the segregated coal in a cold flow fluidized bed” Particulate Science and Technology, August 2022.
G.P. Dewangan, S.N. Saha “Fluidization characteristics of sawdust in a cold flow fluidized bed”, Journal of The Indian Chemical Society, Vol 98, Issue 12, Dec 2021.
- S Meshram, D Katiyar, T Asha, GP Dewangan, AN Joshi, “RS Thakur Preparation and characterization of activated carbon from spent coffee grounds using NaOH and KCl as activating agents”, Journal of The Indian Chemical Society, Vol 97, Issue 7, 1115-1118, July 2020.
- S.N. Saha, G.P. Dewangan, R.S. Thakur “Modeling and Simulation of Fluidized Bed Drying of Chickpea” International Advanced Research Journal in Science, Engineering and Technology Vol. 3, Issue 3, March 2016.
- S.N. Saha, G.P. Dewangan, “Modeling and Simulation of Fluidized Bed Catalytic Reactor Regenerator” International Journal of Engineering Technology Science and Research ISSN 2394 – 3386 Volume 2 Issue 9 September 2015.

Conference:

- G. P. Dewangan, S. N. Saha, “Study of Essential Properties of Prepared Fuel Pellet for Fluidized Bed Combustor” CCEEMSGPI-2021 10th and 11th September.
- G. P. Dewangan, S. N. Saha, T Kiran, C V S Chari "Fluidized bed Hydrodynamic properties of Saw dust and Coal mixture to design and evaluation of Biomass for power plant" ACES 2020 ISSER Bhopal 28-29 feb.
- G. P. Dewangan, Raghwendra Singh Thakur, Vishnu Prasad Yadav "Simultaneous Saccharification and Fermentation of Ethanol from Potato Using Saccharomyces Cerevisiae and Bloom Algea", CHEMCON 2018-Paper ID CH O166.
- S. N. Saha, Gautam Prasad Dewangan*, Vivek Bihari, “Study on Circulating Fluidized Bed System for incineration of Municipal Solid Waste with Coal as an auxiliary fuel”, CHEMCON-2018- Paper ID CH O060.

Area of Research Interest

Our main focus of research is on fluidization, modelling and simulation of chemical engineering processes by using the software like MATLAB and ASPEN Plus.