Anurag Singh
Assistant Professor

Centre/School/Special Centre: School of Studies, Engineering & Technology, GGV, Bilaspur, C.G. 495009

Department: Department of Industrial and Production Engineering

Phone: 78920-61547 / 90921-36500

Email: anuragsingh2907@gmail.com, anuragsinghggu@gmail.com

Google Scholar Link: Click here

Qualifications

M.S. (by Research) Thermal Engineering (IIT Madras, Chennai)

B.E. (Hons.) Mechanical Engineering, (CSVTU, Bhilai, Chhattisgarh)

Area of Interest/Specialization

Thermal Engineering, Hydrogen Storage, Solar Energy, Sorption based technologies, Metal Hydride based storage systems, heat transfer and fluid flow, thermo-fluidic sciences involving energy systems.

Experience

1. School of Studies in Engineering and Technology, Guru Ghasidas Vishwavidyalaya (Central University), Bilaspur
   Designation: ***Assistant Professor***
   Department: Industrial & Production Engineering
   Period: 24 Feb 2020 to till date
2. School of Engineering and Technology, Guru Ghasidas Vishwavidyalaya (Central University), Bilaspur
   Designation: ***Assistant Professor*** (*On-contract*)
   Department: Mechanical Engineering
   Period: March-2018 to June-2019
3. Indian Institute of Science (IISc) Bangalore, Bengaluru, Karnataka, 560055
   Designation: ***Research Associate*** (Mechanical Engineering)
   Period: Mar-2016 to Feb-2018

Awards and Honors

1. MHRD fellowship (Govt. of India) at undergraduate level for excellence in intermediate examination.
2. Travel grants under DST Funding for participating in National and International conferences.

Research Projects:

1. **Title:** Development of efficient solar evacuated tube air heater with jet impinging technique for low and medium temperature agriculture product drying application. (Submitted on 31/01/2021- Under Review)
   Role: Co-PI
   Co-Investigator(s): Prof. T.V. Arjunan (PI) and Mr. Prashant Kumar Jangde (Co-PI)
   Funding Agency: CSIR, *Amount*: 28 Lacs

Best Peer Reviewed Publication:

1. Prashant Kumar Jangde, ***Anurag Singh***, Thottipalayam Vellingri Arjunan, "*Efficient solar drying techniques: a review." (2021);* Environmental Science and Pollution Research, 2021/8/9, 1-14. https://doi.org/10.1007/s11356-021-15792-4

2. ***Anurag Singh***, M. P. Maiya and Srinivasa Murthy S. "*Experiments on solid state hydrogen storage device embedded with a finned tube heat exchanger*", (2017); International Journal of Hydrogen Energy, 42 (22), 15226-15235. https://doi.org/10.1016/j.ijhydene.2017.05.002

3. ***Anurag Singh***, M. P. Maiya and Srinivasa Murthy S. "*Performance of a solid state hydrogen storage device with finned tube heat exchanger*", 2017: International Journal of Hydrogen Energy, 42 (43), 26855-26871 https://doi.org/10.1016/j.ijhydene.2017.06.071

4. ***Anurag Singh***, M. P. Maiya and Srinivasa Murthy S. *"Effects of heat exchanger design on the performance of a solid state hydrogen storage device", 2015:* International Journal of Hydrogen Energy, 40 (31), 9733-9746. https://doi.org/10.1016/j.ijhydene.2015.06.015
5. ***Anurag Singh***, M. P. Maiya and S. Srinivasa Murthy, (2015) *"Experimental studies on solid state hydrogen storage device embedded with a novel heat exchanger*." ISHMT-ASTFE Heat and Mass Transfer Conference, December 17-20, Thiruvananthapuram, India.
6. ***Anurag Singh***, M. P. Maiya and S. Srinivasa Murthy, (2015) "*Optimization of finned tube heat exchanger embedded in a solid state hydrogen storage device*." WILS-4th International Workshop on Ionic Liquids: Advanced Energy Applications, Jan 15-16, Tarragona, Spain.
7. ***Anurag Singh***, M. P. Maiya and S. Srinivasa Murthy, "*Performance of solid state hydrogen storage device with finned heat exchanger*". IV International Symposium on Innovative Materials for Processes in Energy Systems, October 23-26, Taromia, Sicily, Italy.

8. ***Anurag Singh***, Vijesh Kumar, M. P. Maiya and S. Srinivasa Murthy, (2014) "*Performance analysis of a solid state hydrogen storage device embedded with a novel heat exchanger design.*" International conference on Environment and Energy, Dec. 15-17, Hyderabad, India.

Administrative Responsibilities

1. Member, Committee for AICTE 360-degree feedback related activities (School level).
2. Member, Committee for National Education Policy 2020 implemntation related activities (School Level).
3. Member, Committee for Virtual Lab related activities in association with IIT Kharagpur. (School level)
4. Member, B. Tech. admission committee for 2021-22 (School level).
5. Co-coordinator, NAAC and AQAR related activities (Department level).
6. In-charge, Website and SAMARTH portal related activities (Department level).
7. Time Table In-charge (Department level).
8. Member, stock verification committee (Departmental level).
9. Semester In-Charge for session 2020-21 and 2021-22 (Department level).

Additional Information

1. **Patent(s):** Longitudinal Fins Evacuated Tube Solar Air Heater (Reg. No. 2021100087)
   Organization: IP Australia, Australian Government
   Date of Award: 31 March 2021
2. Successfully conducted One-week online FDP on "*Writing Effective and Quality Research Papers, How to Publish in Scopus, SCI Listed and reputed Journals?"* as a co-coordinator from 25th Jan to 29th Jan 2022.
3. Successfully completed one Month Orientation program (Guru Dakshta) conducted by HRDC Center GGV Bilaspur.
4. Successfully completed the eight modules of NITTT conducted by AICTE.