

Faculty Profile



Name: Dr. ASHOK KUMAR DEWANGAN

Designation: Assistant Professor

Teaching Areas: Thermodynamics, Refrigeration, Heat Transfer

Research Interests: Boiling Heat Transfer, Refrigeration, Cryogenic Heat Transfer

Education:

- Ph.D. in Mechanical (Thermal) Engineering, IIT Roorkee, Uttarakhand, 2017.
- M.Tech. in Cryogenic Engineering, IIT Kharagpur, West Bengal, 2009.
- B.Tech. in Mechanical Engineering, NIT Raipur, Chhattisgarh, 2007.

Professional Experience (Total: 5 years 4 months- teaching):

1. December 2018 - till date: Assistant Professor, FST, IFHE (Deemed University), Hyderabad.
2. 2016 –2018: Assistant & Associate Professor, Galgotias University, Greater Noida, Uttar Pradesh.
3. July 2011-July 2012: Assistant Professor, RSR, RCET, Bhilai, Chhattisgarh.
4. July 2010- June 2011: Assistant Professor (Adhoc), Central University Bilaspur, Chhattisgarh.
5. August 2009- June 2010: Lecturer (Adhoc), Central University Bilaspur, Chhattisgarh.

Research / Selected Publications:

- Ashok K. Dewangan, Anil Kumar and Ravi Kumar, “**Experimental Study of Nucleate Pool Boiling of R-134a and R-410A on a Porous Surface**”, Heat Transfer Engineering, Volume 39, Issue 15, 2019.
- Ashok K. Dewangan, Anil Kumar and Ravi Kumar, “**Pool boiling of iso-butane and quasi azeotropic refrigerant mixture on coated surfaces**”, Experimental Thermal and Fluid Science, Volume 85, 176-188, 2017.
- Ashok K. Dewangan, Anil Kumar and Ravi Kumar, “**Experimental study of nucleate boiling heat transfer of R-134a and R-600a on thermal spray coating surfaces**”, International Journal of Thermal Sciences, Volume 110, 304-313, 2016.
- Ashok K. Dewangan, Anil Kumar and Ravi Kumar, “**Nucleate Boiling Heat Transfer of Pure and Quasi-azeotropic Refrigerants from copper coated surfaces**”, Journal of Applied Thermal Engineering, Vol 94, 395-403, 2016.
- Ashok K. Dewangan, Anil Kumar and Ravi Kumar, “**Pool Boiling Heat Transfer of R-134a And R-410a on a Smooth Tube**”, Journal of Sustainable Manufacturing and Renewable Energy, Vol 3, 1-2, 2015.