Dr.Sanjay Singh Rathore

Skill Associate Professor

Skill Faculty & Department/
Skill Faculty of Engineering & Technology,Mechanical Engineering
Qualification
Ph.D. (IIT Roorkee), M.E. (Panjab University, Chandigarh), B.E. (M.B.M. Engineering College, Jodhpur)
Areas of Interest
Manufacturing and Materials, Tribology, Powder forging

REFEREED PUBLICATIONS

1. SS Rathore, V Verma, BVM Kumar, VV Dabhade, Tribological Behaviour of Sinter-Forged Fe-2Cu-0.7C-xMo Alloys, Wear (2018) 410, 222-231. (SCI IF 3.315, Elsevier)
2. SS Rathore, VV Dabhade, Hardenability of sinter-forged Fe-2Cu-0.7C-xMo alloys, Journal of Alloys and Compounds (2016) 664, 133-140. (SCI IF 4.175, Elsevier)
3. SS Rathore, VV Dabhade, Dimensional Change During Sintering of Fe–Cu–C Alloys: A Comparative Study, Trans IIM (2016) 69 (5), 991-998. (SCI IF 1.176, Springer)
4. SS Rathore, MM Salve, VV Dabhade, Effect of molybdenum addition on the mechanical properties of sinter-forged Fe-Cu-C alloys, Journal of Alloys and Compounds (2015) 649, 988-995. (SCI IF 4.175, Elsevier)
5. SS Rathore, MM Salve, VV Dabhade, Powder metallurgical Fe-Cu-C alloys-An overview, Transaction of PMAI (2013) 31, 6-13. (Non-SCI)

PAPERS IN INTERNATIONAL CONFERENCES

1. “Dry sliding wear study of sinter-forged Fe-Cu-C alloys” in APMA 2019 5th International Conference on Powder Metallurgy in Asia held at Pune, India during 18-20 Feb.2019.
2. “Performance of Aluminium matrix composites at elevated temperature” in APMA 2019- 5th International Conference on Powder Metallurgy in Asia held at Pune, India during 18-20 Feb.2019.
3. “Homogenization of ferro molybdenum powder in Fe-2Cu-0.7C alloy under sinter-forged condition” AMPCO 2017 (Advances in materials and processing: challenges and opportunities, International Conference) organized by IIT Roorkee during 30th Nov. -2nd Dec. 2017.
4. “Effect of Cu addition on Properties of Sinter-Forged Fe-0.7C Alloy” PM-17 (International Conference Powder Metallurgy and Particulate Materials organized by PMAI, India) held at New Delhi during 20-22 Feb. 2017.
5. “Powder Metallurgical Fe-Cu-C Alloys- An Overview” PM13 (International Conference on Powder Metallurgy and Particulate Materials organized by PMAI, India held at Pune during 7-9th Feb. 2013.

6. “R-OMAX a Multi-Level Computer Based Performance Measurement System and its Application in Manufacturing Industry - A Case Study” 11th International Conference of RDA & RDRF held at Jaipur during 5-6th Jan. 2012.
7. “Application of Machine Vision System in Robotics for Automated Industries” in IEEE International Conference RACE during 5-6th March 2007.

HONOURS, AWARDS AND DISTINCTIONS

1. Award for extra ordinary services on 15 Aug. 2006 by Principal, ECB;
2. Best Teacher award by Big. FM 92.7

Projects:

1. on going project(s)-DST sponsored Solar Technology based Entrepreneurship Development Program, amounting Rs.1.60 Lacs (2020-21)
2. Completed: One RPS, Sponsored by AICTE, New Delhi; amounting 6.95 Lacs (2010)

Patents: Nasal Filter (Applied in year 2021) in association with Elofic Industries Ltd.