

LIST OF PUBLICATIONS

Peer Reviewed Journals:

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, “*Synthesis of Copper Metal Matrix Hybrid Composites Using Stir Casting Technique and Its Mechanical, Optical and Electrical Behaviours*”, **Transactions of the Indian Institute of Metals**, Volume 70, 2017, pp 2415–2428 (SCIE).

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, “*Mechanical and electrical behaviour of developed copper based hybrid composites*”, **materialstoday:PROCEEDINGS**, Volume 5, 2018, pp 5692-5700 (SCOPUS).

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, “*Mechanical and tribological properties of plastically deformed copper metal matrix nano composite*”, **materialstoday:PROCEEDINGS**, Volume 5, 2018, pp 5727-5736 (SCOPUS).

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, Rajiv Prakash and Gopal Ji, “*Mechanical and corrosion behaviors of developed copper based metal matrix composites*”, **IOP Conf. Series: Materials Science and Engineering** Volume 330, 2018, pp 012-021 (SCOPUS).

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, “*Mechanical property of dual reinforced copper based hybrid composite*”, **International Journal of Science & Technology**. Special issue November 2015, ISSN 0976-3074. (peer-reviewed).

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, “*Structural, Mechanical and Electrical Behaviour of Ceramics Reinforced Copper Metal Matrix Hybrid Composites*”. **Journal of Materials Engineering and Performance** ISSN: 1059-9495 (SCIE). (Accepted)

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, “*Dry sliding friction and wear behavior of developed copper metal matrix hybrid composites*”. **International Journal of Surface Science and Engineering** ISSN: 1749-7868 (SCIE).(Accepted)

- ❑ **Manvandra Kumar Singh**, Guddu Yadav, Rakesh Kumar Gautam, “*Mechanical properties of HSSS chips reinforced copper-based hybrid composites*”, **materialstoday:PROCEEDINGS**, ISSN: 2214-7853 (SCOPUS).(Accepted)

National/International Conference Papers:

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, Pushkar Jha, “*Dry sliding wear behaviour of cold forged copper based nano tungsten carbide composite*”. **International Conference** on Advances in Materials, Manufacturing and Applications (AMMA 2015), At NIT-Trichy (9-11 April 2015), 04/2015. ISBN: 978-93-84743-62-8.

- ❑ **Manvandra Kumar Singh**, Rakesh Kumar Gautam, “*Synthesis of tertiary reinforced copper metal matrix hybrid composite using stir casting technique*”, **International conference** on Advanced and Agile Manufacturing Systems (ICAM’2015), At KNIT-Sultanpur (28-29 December-2015). ISBN: 978-93-85777-03-5.

- ❑ Pushkar Jha, **Manvandra Kumar Singh**, Rakesh Kumar Gautam, Rajnesh Tyagi, Devendra Kumar “*Effect of annealing on the microstructure, crystal structure and micro-hardness of Cu-5 wt% Cr alloys*”. **International Conference** on Advances in Materials, Manufacturing and Applications (AMMA 2015), At NIT-Trichy (9-11 April 2015), 04/2015. ISBN: 978-93-84743-62-8.

- ❑ Mulk Raj Anand, Dr. R. K. Gautam, **Manvandra Kumar Singh**, Pushkar Jha, “*Dry sliding wear behaviour of Cu based hybrid composite using pin-on-disc machine*”. **National conference** on “IMDM-5015” at HBTI, Kanpur. (27-28 March 2015). ISBN: 978-93-84869-47-2.

National/International Conferences/Symposia/Workshops/Schools: 20