

Faculty Profile

Name: Dr. Sanjay Mohan Sharma

Designation: Assistant Professor

Department: Mechanical Engineering

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Contact Number and Extn.: 9797301889(M), 2354 (O)

Qualification: 1. Ph.D (Self Lubricating Composites)

2. M.Tech(Industrial Engg.)

3. B.E(Mechanical Engg.)

Experience:

Teaching: 21(+)Years

Areas of Interest / Specialization:

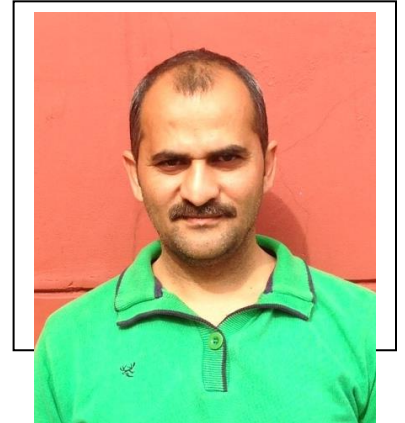
1. Self Lubricating Composites(Tribology)
2. Industrial Engineering
3. Ergonomics

Research Publications:

S.No.

Publication

1. Katoch, V., & Mohan, S. (2019). Design and fabrication of a safety frame for workers carrying out head lifting at construction sites. *Journal of Engineering, Design and Technology*.
2. Sharma, Sanjay Mohan, and Ankush Anand. "Effect of Speed on the Tribological Behavior of Fe–Cu–C Based Self Lubricating Composite." *Transactions of the Indian Institute of Metals* (2017): 1-9.
3. Anand, Ankush, and Sanjay Mohan Sharma. "High Temperature Friction and Wear Characteristics of Fe–Cu–C Based Self-Lubricating Material." *Transactions of the Indian Institute of Metals* 70.10 (2017): 2641-2650.
4. Sharma, Sanjay Mohan and Ankush Anand "Friction and wear behaviour of Fe-Cu-C based self lubricating material with CaF₂ as solid lubricant." *Industrial Lubrication and Tribology* 69.5 (2017): 715-722.



5. Singh, N., Mir, I. U. H., Raina, A., Anand, A., Kumar, V., & Sharma, S. M. (2018). Synthesis and tribological investigation of Al-SiC based nano hybrid composite. *Alexandria engineering journal*, 57(3), 1323-1330.
6. Anand, A., Haq, M. I. U., Raina, A., Vohra, K., Kumar, R., & Sharma, S. M. (2017). Natural systems and tribology-analogies and lessons. *Materials Today: Proceedings*, 4(4), 5228-5232.
7. Sharma, S. M., and A. Anand. "Solid Lubrication in Iron Based Materials--A Review." *Tribology in Industry* 38.3 (2016).
8. Sharma, Sanjay Mohan, et al. "Some investigations on low back pain amongst workers involved in lifting tasks." *International Journal of Procurement Management* 9.6 (2016): 659-683.

Books Publications:

S. No.	Year	Title	Publisher
1	2010	Engineering Mechanics(Ist Edition)	Kirti Publishers, Jalandhar
2	2019	Engineering Mechanics(IIst Edition)	Kirti Publishers, Jalandhar

Conference Publications:

S. No.	Publication
1.	Sanjay Mohan Sharma, Ankush Anand, "Self Lubricating Materials and Sustainability- A Review", 5 th International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET), 25-26th October 2018, Shri Mata Vaishno Devi University, Katra
2.	Sidhant Gandotra, Sanjay Mohan Sharma, "Self Lubricating Materials and Sustainability- A Review", International Conference on Mechanical Engineering and Allied Sciences(ICMEAS), 14-15th September, 2018, Shri Mata Vaishno Devi University, Katra
3.	Effect of high speed on the tribological behavior of Fe-Cu-C based self lubricating composite, International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET: EITM-2017), NIT Hamirpur
4.	Sanjay Mohan Sharma, Ankush Anand, Mir Irfan Ul Haq, Ankush Raina, Rajiv Kumar, Calcium Fluoride a potential lubricant for Green Tribology and Sustainability, National Conference on Advances in Mechanical Engineering, National Institute of Technology, New Delhi, 16 March, 2019
5.	Smridh Slathia, Rahul Anand, Mir Irfan Ul Haq, Ankush Raina, Sanjay Mohan Sharma, Rajiv Kumar, Ankush Anand Friction and Wear Behaviour of AA2024/ZrO2 Composites: Effect of Graphite, National Conference on Advances in Mechanical Engineering, National Institute of Technology, New Delhi, 16 March, 2019

6. Anshul Gupta, Sanjay Mohan Sharma, "Mental Health amongst workers- A review", National Conference on Innovative Trends in Mechanical Engineering, Department of Mechanical Engineering, SMVDU, 2017
7. Rahul Sethi, Sanjay Mohan Sharma, Ankush raina, Rajiv kumar, "Engineering Materials and their Properties- Review", National Conference on Innovative Trends in Mechanical Engineering, Department of Mechanical Engineering, SMVDU, 2017
8. Sachin, Ritender Sharma, Avi Gupta, Sanjay Mohan Sharma, "A review on Green Tribology: Elements, Principles and Perspectives", International Conference on Renewable Energy for Sustainable Environment: Challenges and Remedies
9. Balbir Singh, Sanjay Mohan Sharma and Varun Dutta, "Six Sigma and its application in service Sectors: Challenges and Opportunities", 2nd International Conference on "Applied Economics and Business" SMVDU, 2016, July 28-29.
10. Avi Gupta, Rahul Sethi, Sanjay Mohan Sharma, Ankush Anand, Mir Irfan-ul-Haq, "Strengthening Mechanisms for Single Phase Alloys- A Review", National Conference on Innovative Trends in Mechanical Engineering, Department of Mechanical Engineering, SMVDU, 2017
11. Avi Gupta, Rahul Sethi, Sanjay Mohan Sharma, Ankush Anand, Mir Irfan-ul-Haq, "Strengthening Mechanisms for Single Phase Alloys- A Review", National Conference on innovative trends in mechanical engineering-2017, International Conference on Newest Drifts in Mechanical Engineering, M. M. University, Mullana Ambala, 2014
12. Rahul Sethi, Avi Gupta, Sanjay Mohan Sharma, Ankush Raina, Rajiv Kumar, "Engineering materials and their properties: A review" , National Conference on innovative trends in mechanical engineering-2017, International Conference on Newest Drifts in Mechanical Engineering, M. M. University, Mullana Ambala, 2014
13. Ankush Anand , Mir Irfan Ul Haq , Ankush Raina , Karan Vohra , Rajiv Kumar , Sanjay Mohan Sharma , "Natural Systems and Tribology- Analogies and Lessons", International Conference on Materials Processing and Characterization, Victoria University, Melbourne Australia, 2014
14. Avi Gupta, Rahul sethi, Sanjay Mohan Sharma and Balbir Singh, "Metal Matrix Composites and their Fabrication Routes- A Review" , International Conference on Newest Drifts in Mechanical Engineering , December 20-21, 2014
14. Anush Charak, Vineet Dubey, Balbir Singh and Sanjay Mohan Sharma, "Study of Various Challenges in Machinability of Hard Materials using Abrasive Jet Machining" , International Conference on Newest Drifts in Mechanical Engineering , December 20-21, 2014
16. Vineet Dubey, Anush Charak, Balbir Singh and Sanjay Mohan Sharma, "A study of Latest Trends in Hybrid Electro Chemical Machining Process-Review" , International Conference on Newest Drifts in Mechanical Engineering , December 20-21, 2014

17. Balbir Singh, Sanjay Mohan Sharma " Study of various Challenges and Solutions in Maintenance of Critical Components" , Sept 7-8 ,2011,International Conference on recent trends in mech engg, lingaya's University

18. Sanjay Mohan Sharma, R.K Shahu and Amandep Singh 2009 "Review of the NIOSH Equation" National Conference on Advanced Manufacturing Techniques at SMVDU , Nov 5-6 ,2009, Jammu

19. Sanjay Mohan Sharma, R.K Shahu and Yathesth Anand 2009 "Data Management System" National Conference on Advanced Manufacturing Techniques at SMVDU , Nov 5-6 ,2009, Jammu

20. Sanjay Mohan, Balbir Singh "*Study Of Niosh Equation And Its Application In Manual Load Lifting Jobs In Industries*" All India Seminar on Ergonomics for Improved Productivity Nov 21-22, 2009 at AMU, Aligarh

Industry based Projects : 04

Research Supervised: M.Tech: 08

Events Organised:

1. 3rd Industry Academia Conclave on "Bridging gap between Industry & Academia", 8-9th January, 2019, Shri Mata Vaishno Devi University, Katra(Coordinator).
2. Faculty Development Programme on "Best Manufacturing Practices in Industries" , 17th – 21st December, 2018, Shri Mata Vaishno Devi University, Katra (Coordinator)
3. International Conference on Mechanical Engineering and Allied Sciences, 14-15th September, 2018 at Shri Mata Vaishno Devi University, Katra (Convener)
4. National Conference on Innovative Trends in Mechanical Engineering, 3-4th March, 2017, Shri Mata Vaishno Devi University, Katra.(Co-Convener)
5. Coordinated 2 weeks Workshop on Engineering Mechanics sponsored by IIT Bombay from 26-06th Dec 2013

Short Term Course/Seminar/Workshop Attended

- 1 Short term course on Introduction to matlab, PSCAD and Latex, 24-28 June, 2019, NIT Srinagar
- 2 Professional Development Training under TEQIP III from IIM Indore, 04-06 July, 2018
- 3 Foundation Programme in ICT for Education from IIT Bombay, 08 March-12 April, 2018
- 4 TEQIP-III Summer Training Programme on Active Learning Workshop from IIT Bombay, 11 June-15June, 2018
- 5 A Short Term Course on Electron Microscopy & Microanalysis of Materials, IIT BHU, 12-17 Feb, 2018.
- 6 A Short Term Course on Recent trends in Automobile Engineering, 29th Feb-04 March, 2016, NITTR, CHD

- 7 Recent trends in Automobile Engineering, 29th Feb, 04 March, 2016, NITTTR, CHD
- 8 Refresher Course on Gender Studies(ID) at Kashmir Univ from 25/5/15-16/6/15
- 9 General Orientation Course at Univ of Jammu from 17/6/14-14/07/14
- 10 A Short term course on Processing and Fabrication of Metal Matrix Composites, 1/7/13-5/7/13, IIT Roorkee
- 11 One week CEP Course on Coordinators Workshop on Engineering Mechanics conducted by IIT Bombay from 16-20Sept , 2013.
- 12 Two week ISTE Workshop on "Introduction to Research Methodologies" conducted by IIT Bombay under National Mission on Education through ICT(MHRD, Govt. of India), 25th June – 4th July, 2012
- 13 "TRIZ Innovation and Taguchi Optimization" from 19-23 Dec, 2011 a QIP course at IIT Bombay.
- 14 A Short term course on "AICTE sponsored Staff Development Programme" from 18th Feb 2008 to 1st March 2008 at MBSCET , Jammu , India
- 15 A Short term course on "Advances in Manufacturing Technology" from 21st March 2005 to 25th March 2005 at NITTTR, Chandigarh, India
- 16 "CNC Turning and CNC Milling" from 29th Dec. 2003 to 02nd Jan. 2004 at MTAB-DENFORD TECHNOLOGY CENTRE at Chennai, India

Patent: Patent filed on "MULTI-ASKING MOB HANDLE" filed in November, 2018 Application Number: 201811038186

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