

Curriculum Vitae

JASBIR SINGH

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Objective:

- To strive for academic excellence and impart quality education in a growth oriented organization that yields the twin benefits of job satisfaction and a steady paced professional growth.

Work Experience:

- I am working as an Assistant Professor in Mechanical Engineering Department of faculty of Engg & Technology, Gurukul Kangri Vishwavidyalaya, Haridwar since 1 Aug 2012.
- Two year of experience as an Assistant Professor in Mechanical Engineering Department of N.I.T Kurukshetra.

Professional Qualification:

- **Ph.D in Mechanical Engineering** from N.I.T Kurukshetra [2014-2020].
- **M.Tech (Distinction) in Machine Design** from N.I.T Kurukshetra with **8.9457** CGPA [2008-2010].
- **B. Tech (Honours)** in Mechanical Engineering from Kurukshetra University with a percentage of **73%** [2004-2008].

Ph.D Dissertation:

- An Investigation on Mechanical & Tribological Behaviour of Nanostructured Weld Clad.

Publications

- Singh, J., Thakur, L. and Angra, S. (2020) 'Abrasive wear behavior of WC-10Co-4Cr cladding deposited by TIG welding process', International Journal of Refractory Metals & Hard Materials. doi: 10.1016/j.ijrmhm.2020.105198. Elsevier publication. [I.F. 2.974] **(SCI)**
- Singh, J., Thakur, L. and Angra, S. (2020) 'A study of tribological behaviour and optimization of WC-10Co-4Cr Cladding', Surface Engineering. doi: 10.1080/02670844.2020.1745367. Taylor & Francis publication. [I.F. 2.229] **(SCI)**
- Singh, J., Thakur, L. and Angra, S. (2020) 'An investigation on the parameter optimization and abrasive wear behaviour of nanostructured WC-10Co-4Cr TIG weld cladding', Surface and Coatings Technology. doi: 10.1016/j.surfcoat.2020.125474. Elsevier publication. [I.F. 3.192] **(SCI)**
- Singh, J., Thakur, L. and Angra, S. (2020) 'Effect of argon flow rate on the weld bead characteristics of TIG coating', IOP Conference Series: Materials Science and Engineering. doi: 10.1088/1757-899X/804/1/012016. IOP publication. **(Scopus)**
- Singh, J., Thakur, L. and Angra, S. (2019) 'Effect of argon flow rate and standoff distance on the microstructure and wear behaviour of WC-CoCr TIG cladding', Journal of Physics: Conference Series. doi: 10.1088/1742-6596/1240/1/012162. IOP publication. **(Scopus)**
- Singh, J., Popli, D., Nainwal, H. and Himansu (2020) 'Use of Chemical Scrubbing Method to Minimise the Pollutants', Lecture Notes in Mechanical Engineering. doi: 10.1007/978-981-15-5996-9_43. Springer. **(Scopus)**
- Singh, J., Mehla, N. and Sharma, A.K. (2020) 'Performance Enhancement of Evaporative Cooling Device Using Silica Gel as an Adsorbent Material', Lecture Notes in Mechanical Engineering. doi: 10.1007/978-981-15-8304-9_11. Springer. **(Scopus)**
- Sharma, K. D., Srivastava, S. and Singh, J. (2021) 'Design, Construction, and Performance Testing of a Simple Low-Cost Solar Dryer for Agricultural and Food Products', International Journal of Renewable Energy Technology, accepted for publication. **(UGC-Care)**

- Singh, J., Mittal, V. and Angra, S. (2012) 'Failure Mode Analysis of Mechanical Seals', Journal of Engineering and Technology. doi: 10.4103/0976-8580.99302. MMU publication. **(Peer Reviewed)**

Extra-curricular Activities:

- Member of departmental placement committee, Alumni meet co-ordinator, Sessional marks and attendance co-ordinator, Fluid mechanics and machines' Lab In-charge.
- Member of Organizing Committee of various National conferences i.e. PEAS 2012, ETES 2013, STIDI 2015, Jnanagni 2017, Jnanagni 2018.
- Co-ordinator of "MEXPERT" P.G society in N.I.T Kurukshetra.
- Participated in 5 days training on "Advance Manufacturing Techniques" held at N.I.T Kurukshetra.
- One-week short term course attended at NITTTR Chandigarh on "Modeling and Simulation using MATLAB" from 25-29 Jan 2016.
- One-week short term course attended at NIT Kurukshetra on "Materials and Processes for Advanced Engineering Applications" from 11-16 December 2017.
- Lifetime Member of Indian Science Congress Association and ISCA Haridwar Chapter.

Other Achievements:

- GATE qualified in 2012, 2013, 2014.

Personal Skills:

- Good communication skill
- Believe in perfection

Personal Profile:

- Name : Jasbir Singh
- Father's Name : Sh. Raj Kumar
- Date of Birth : 23rd Jan, 1987
- Gender : Male

- Leisure pursuits : Playing Cricket and listening to music
- Language Known : Hindi & English

Declaration:

- I hereby declare that the above mentioned information is correct to the best of my knowledge and I bear the responsibility for correctness of the above mentioned particulars

Date: 13/07/2021

Place: Kurukshetra

(JASBIR SINGH)