

BIO-DATA

1. Name :Dr. CHARANJIT SINGH
2. Designation : Assistant Professor
3. Department : Mechanical Engineering
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5. Area of Specialization : Manufacturing, Industrial Engineering
6. Academic Qualification :

S.No	Degree Held	Year	Board/Uni	Division	Subjects taken
1	3 Year Diploma	1999	Thapar Polytechnic Patiala	First	Mechanical Engineering
2	B.Tech	2002	PTU-Jalandhar	First	Mechanical Engineering
3	MBA	2010	Punjabi University Patiala	First	Operations Management
4	M.Tech	2015	Punjabi University Patiala	First	Mechanical Engineering
5	Ph.D.	2022	Punjabi University Patiala		MEASURING THE EFFECT OF GREEN LEAN PRACTICES ON THE PERFORMANCE OF MANUFACTURING INDUSTRIES IN INDIA

7. Details of Experience:

S.No	Name of Employer	Position Held	Duration	Major Job Responsibilities and Nature of Experience
1	KRBL Ltd	Maintenance Engineer	Dec 2005 to March 2008	Managing Mechanical Maintenance and Production Planning.
2	Trident Ltd. Barnala	FLE (Mech. Maintenance)	March 2008 to Jan,2012	Managing of Maintenance Activities, Condition Monitoring
3	Punjabi University Patiala	Workshop Instructor	Jan/2012 to May 2015	Demonstration of Working of Lab equipment (Refrigeration and Air Conditioning Lab, Fluid machinery lab)/Teaching
4	Punjabi University Patiala	Assistant Professor	05.05.2016 till date	Teaching and Research

8. Published Work (please specify numbers only)

a. International:13

9. M.Tech Students Guided:04

10. List of Courses/Papers taught at UG/PG level:

S.No	Name of Courses	Class
1	Mechanical Vibrations	UG
2	Fluid Machinery	UG
3	Manufacturing Processes	UG
4	Manufacturing Technology	UG
5	Industrial Engineering	UG

11. List of Paper Published

Research Papers:

- I. Khushdeep Goyal, Davinder Singh, Harvinder Singh, **Charanjit Singh** (2023), "High temperature corrosion behaviour of ZrO₂ reinforced Cr₂O₃ composite coatings in molten salt environment" Anti-Corrosion Methods and Materials Vol. 70, No.4, pp. 189-196
- II. **Charanjit Singh**, Davinder Singh and J.S. Khamba (2021), "Analyzing barriers of Green Lean practices in manufacturing industries by DEMATEL approach", Journal of Manufacturing Technology Management, Vol. 32 No. 1, pp. 176-198.
- III. **Charanjit Singh**, Davinder Singh and J.S. Khamba. (2021), "In quest of green practices in manufacturing industries through literature review", World Journal of Entrepreneurship, Management and Sustainable Development, Vol. 17 No. 1, pp. 30-50.

- IV. **Charanjit Singh**, Davinder Singh and J.S. Khamba (2021), "Developing a conceptual model to implement green lean practices in Indian manufacturing industries using ISM-MICMAC approach", Journal of Science and Technology Policy Management, Vol. 12 No. 4, pp. 587-608.
- V. **Charanjit Singh**, Davinder Singh and J.S. Khamba (2020), "Understanding the key performance parameters of green lean performance in manufacturing industries", Materials Today: Proceedings. Vol.46, No.1, pp. 111-1155.
- VI. **Charanjit Singh**, Davinder Singh and J.S. Khamba (2020), "Exploring an alignment of lean practices on health and safety of workers in manufacturing industries" Material Today: Proceedings. Vol,47, No.19, pp. 6696-6700.
- VII. **Charanjit Singh**, Davinder Singh and J.S. Khamba, "Assessing Lean Practices in Manufacturing Industries Through an Extensive Literature Review" Lecture Notes in Mechanical Engineering.
- VIII. **Charanjit Singh**, Davinder Singh and J.S. Khamba, "Investigating Relationships between Facilitators of Green Lean Practices and Environmental Performance of Manufacturing Industries", International Journal of Productivity and Performance Management.
- IX. Saurav Bedi, Khushdeep Goyal, **Charanjit Singh**, Rakesh Bhatia (2017), " The Effect of Process Parameters on the Performance Characteristics of Wire Electrical Discharge Machining of AISI D3 Tool Steel" IUP Journal of Mechanical Engineering , Vol.10 No 4, pp 20-34.
- X. Jasvir Singh, **Charanjit Singh**, Khushdeep Goyal (2017). "Experimental Investigations of Mechanical Properties of Friction Stir Welded Joints of Aluminium Alloys AA6063 and AA6082", Journal of Experimental & Applied Mechanics. 8(2): 45–52p.
- XI. Lovedeep Singh, **Charanjit Singh**, Khushdeep Goyal 2017, "*Experimental investigation of properties of Friction stir welded Butt Joints of Dissimilar Aluminium Alloys 6061 and 6082*". Journal of Modern Chemistry & Chemical Technology, 2017:8(3):17-23p.
- XII. **Charanjit Singh**, Chandandeep Singh et al. *Study of Electro Discharge Machining on Nonconductive Glass*, International Journal for Multi-Disciplinary Engineering and Business Management, 2015:3(3):1-3p.
- XIII. **Charanjit Singh**, Chandandeep Singh et al. *Experimental Investigation of Electro*

Discharge Machining on Non-conductive Alumina, Journal of Emerging trends in Engineering Science and Technology(JoETEST),2015:3(2).

Research Papers Presented in International Conferences

1. Charanjit Singh, Davinder Singh and J.S. Khamba (2018) “Adoption of Lean Practices in Manufacturing Industries: An Insight from India” in *the International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, Held on 15th to 17th November, 2018 at Panjab University SSG Regional Centre (PUSSARGC) Hoshiarpur, Punjab, India under the Aegis of Society of Materials and Mechanical Engineers (SOMME)*.
2. Charanjit Singh, Davinder Singh and J.S. Khamba (2020), “Exploring an alignment of lean practices on health and safety of workers in manufacturing industries” in *the International Conference on recent Advances in Design, Material and Manufacturing (ICRADMM 2020) held on 15th and 16th October 2020 at Amity School of Engineering and Technology, Amity University, Madhya Pradesh, Gwalior*.
3. Charanjit Singh, Davinder Singh and J.S. Khamba (2022). “Assessing Lean Practices in Manufacturing Industries Through an Extensive Literature Review” in *the 5th International Conference on Emerging Trends in Mechanical & Industrial Engineering (ICETMIE-2022) held on March 4 & 5, 2022 at Mechanical Engineering Department of the North cap University, Gurugram (India)*