FacultyProfile

FacultyName	Dr. Sandeep
Designation	Assistant Professor (GF)
Qualification	PhD., M.Tech., B.E.
Email	Sandeep@gecnilokheri.ac.in
Area of Interest	Powder Metallurgy, Manufacturing Technology, Metallurgical Engineering of steel
Work Experience (Total)	16
• Teaching	8
• Research	5
• Industry	3
• Others	Nil
Courses taught at Diploma/ PostDiploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Material Science, Theory of Machine, Design of Machine elements, Mechatronics, Quality & Reliability Engineering,
Membership of Professional Bodies	Life Membership of Powder Metallurgy Association of India
Research Publications	
• Research PapersUGC-CARE	Nil
• ResearchPapers SCOPUS	5
• Research Papers WoS/SCI/ABDC	3
• List of Publications	Annexure-I
Book and Chapter Publications	
• Books Authored published by International Publishers	Nil
• Books Authored published by National Publishers	3
• Publication of Chapters in Edited Books	Nil
• Editor of Book by International	Nil

Publishers	
• Editor of Book by National Publishers	Nil
• TranslationWork of Book	Nil
• List of Book and Chapter Publications	Annexure-II
M.Tech. Guidance	
• Degree Awarded	2
• Thesis Submitted	1 (in process)
Awards & Honours	
• List of Awards & Honours	Annexure III
Invited lectures/Resource Person/paper Presentation in Seminars/Conferences/full paper in Conference	
• International(Abroad)	Nil
• International (Within Country)	6
• National	4
• List of published papers	Annexure-IV
Organizing National Conference/ International Conference/FDP/STTP	
• List of Conference/FDP/STTP committee	Annexure-V
Social Contributions and Sports	
• **List of Social Contributions and Sports**	Nil

Annexure

Annexure I : List of Publications in Journals
Annexure II : List of Book Publications
Annexure III : List of Awards & Honours
Annexure IV : List of Published Papers in Conferences
Annexure V : List of Conference/FDP/STTP committee

Annexure -I

List of Publications

1. SandeepChauhan, V. Verma, UjjwalPrakash, P.C. Tewari and Dinesh Khanduja (2016), "**Analysis of Powder Metallurgy Process Parameters for Mechanical Properties of Sintered Fe-Cr-Mo Alloy Steel**", Materials and Manufacturing Processes, Taylor and Francis, Published, Impact factor = 2.247, Print ISSN: 1042-6914Online ISSN: 1532-2475 http://dx.doi.org/10.1080/10426914.2016.1221083. **(SCI).**
2. SandeepChauhan, V. Verma, UjjwalPrakash, P.C. Tewari and Dinesh Khanduja (2017), "**Influence of Sintering Temperature and Cooling Rate on Microstructure and Mechanical Properties of Pre-Alloyed Fe-Cr-Mo Powder Metallurgy Steel**", Transaction of Indian Institute of Metals, Springe Publication, Impact factor = 0.533, DOI 10.1007/s12666-017-1157-z **(SCI).**
3. SandeepChauhan, V. Verma, UjjwalPrakash, P.C. Tewari and Dinesh Khanduja (2017), "**Studies on induction hardening of powder-metallurgy-processed Fe–Cr/Mo alloys**", International Journal of Minerals, Metallurgy and Materials, Springer Publication , **Impact factor = 0.943,** DOI: 10.1007/s12613-017-1478-2 **(SCI)**.
4. SandeepChauhan, VikasVerma, Kamal Kumar Mittal, Prakash Kumar, P.C. Tewari (2016), Paper entitled, "**Microstructure and Mechanical Behaviour Characterization of Al-Al_2O_3 MMC processed by DIMOX and Al-Al_2O_3/MnO_2 MMC processed via Stir Casting Route**", International Journal of Materials Engineering Innovation, Vol. 7, No. 3/4, ISSN online: 1757-2762, ISSN print: 1757-2754. https://doi.org/10.1504/IJMATEI.2016.084626 **(SCOPUS).**
5. SandeepChauhan, UjjwalPrakash, P.C. Tewariand Dinesh Khanduja (2014), paper entitled "**Analysis of Powder Metallurgy Process Parameters for Relative Density of Low Carbon Alloy Steel using Design of Experiments Tool**", published in Applied Mechanics and Materials Journal, Trans Tac Publications, 592-594, 72-76, DOI:10.4028/www.scientific.net/AMM.592-594.72, ISSN: 1662-7482 **(SCOPUS).**
6. Sandeep, V. Verma, Dr. UjjwalPrakash, Dr. P.C. Tewari and Dr. Dinesh Khanduja (2016). Paper entitled, "**Processing of Cr-Mo Alloy Steel via PM Route",** Elsevier- Materials Today Proceedings**,** http://dx.doi.org/10.1016/j.matpr.2016.09.001, ISSN: 2214-7853 **(SCOPUS).**
7. Sandeep, V. Verma, Dr. UjjwalPrakash, Dr. P.C. Tewari and Dr. Dinesh Khanduja (2016). Paper entitled, "**Effect of quenching medium on microstructure and hardness of as sintered Fe-Cr-Mo-0.6C and FeMo-0.6C Alloy Steel",** Elsevier- Materials Today Proceedings, ISSN: 2214-7853. DOI:10.1016/j.matpr.2017.01.045 **(SCOPUS).**
8. Sandeep, UjjwalPrakash, P.C. Tewari and Dinesh Khanduja (2014). Paper entitled, "**Ranking of Sintered Material for High Loaded Automobile Application by Applying Entropy-TOPSIS Method", Elsevier- Materials Today Proceedings**. http://dx.doi.org/10.1016/j.matpr.2015.07.306, ISSN: 2214-7853 **(SCOPUS).**

Annexure-II

Book Published

1. 'Workshop Technology-II', Dr. Parveen Kr Saini, Baljit Singh Siwach and **Dr. Sandeep**, Satya Publication, New Delhi 2023.
2. 'Material Science' by Dr. A.R. Gupta, B.K. Gupta and **Dr. Sandeep Chauhan,** Satya Publication New Delhi 2024.
3. 'Quality in Technical Education' by Dr. Manish Jindal, **Dr. Sandeep Chauhan** and Dr. Jaimal Jindal, Abhishek Publication 2025.

Annexure-III

List of Awards & Honours

1. Awarded and honoured '**appreciation letter and Gold Medal'** by Chief Minister Haryana for achieving 1st position in M.Tech. (Manufacturing Technology and Automation) at M.D. University Rohtak, Haryana in 2012.

Annexure-IV

List of Conferences

1. SandeepChauhan and Dr. P.C. Tewari (2013), paper entitled "**Effect on Mechanical and Metallurgical Properties by adding Alloying Elements in Iron by using Powder Metallurgy Technique: A Critical Literature Review**" International Conference on Advances in Mechanical and Computer Engineering on January 18-19, 2013 organized by Ganpati Institute of Technology and Management, Bilaspur, Yamuna Nagar, Haryana, India.
2. Sandeep, P.C. Tewari and Dinesh Khanduja (2013), paper entitled "**Framework for Induction Hardening Parameters Optimization of Sintered Iron Alloy by using Intelligent Techniques**", 4th International Conference on Emerging Trends in Engineering and Technology (IETET-2013) and Technically co-sponsored by ACEEE, IDES, USA on October 25-27, 2013 organized by Geeta Institute of Management & Technology Kanipla, Kurukshetra, India.
3. Sandeep, P.C. Tewari and Dinesh Khanduja (2013), paper entitled "**Conceptual Analysis of Heat Treatment Aspects for Low Carbon Alloy Steel by Using Powder Metallurgy Technique**" The proceedings of the International Conference on Emerging Material Technology (ICEMT 2013) on April 8-10, 2013 organized by Gyan Ganga Institute of Engineering and Technology, Jabalpur, Madhya Pradesh, India.
4. Sandeep, P.C. Tewari and Dinesh Khanduja (2013), paper entitled "**Hardness and Case Depth Optimization Strategy for Induction Hardening Process in Powder Metallurgy by using TOPSIS**" National Conference on Recent Trends in Materials Engineering (RTME-2013) on October 4-5, 2013 at BRCM CET, Bahal, Bhiwani, Haryana, India.
5. Sandeep, P. C. Tewari, Dinesh Khanduja (2014), paper entitled **"Optimization of Powder Metallurgy Process Parameters for Relative Density of Aluminium using Design of Experiments Tool",** National Conference on Advance and Research Technology, March 8- 9, 2014, Yamuna Group of Institution, Yamuna Nagar, Haryana, India**.**
6. Sandeep, UjjwalPrakash, P.C. Tewariand Dinesh Khanduja (2014), paper entitled "**Analysis of Powder Metallurgy Process Parameters for Relative Density of Copper using Design of Experiments Tool**", 4thNational Conference on Recent Advances in Manufacturing on June 26-28, 2014, National Institute of Technology, Surat, Gujrat, India.
7. SandeepChauhan, V. Verma, UjjwalPrakash, P.C. Tewari and Dinesh Khanduja (2015). oral presentation on "**Study of Powder Metallurgy Process Parameters for Mechanical Properties of Sintered Fe-Cr-Mo Alloy Steel**", National Conference on Advanced Materials and Processing (CAMP-2015) on December 2-4, 2015 organized by Malaviya National Institute of Technology, Jaipur, Rajasthan, India.

8. SandeepChauhan, V. Verma, ZahirHasan and P.C. Tewari (2016). oral presentation on "**Study on Induction Hardening of Sintered Low Carbon Alloy Steel**", IVth International Conference on Production & Industrial Engineering on December 19-21, 2016 organized by Dr. B R Ambedkar National Institute of Technology Jalandhar-144011, Punjab, India.
9. SandeepChauhan, V. Verma, UjjwalPrakash, P.C. Tewari and Dinesh Khanduja (2016). Poster presentation on "**Processing of Cr-Mo Alloy Steel via PM Route and their Characterization**", International Conference on Advances in Refractory and Reactive Metals and Alloys (ARRMA-2016) held on January 27-29, 2016 organized by Materials Group, Bhabha Atomic Research Centre, Trombay, Mumbai-400085, India.
10. SandeepChauhan, V. Verma, UjjwalPrakash, P.C. Tewari and Dinesh Khanduja (2017). Poster Presentation on "**Analysis of Induction Hardening of Fe-Cr/Mo Alloy Processed via PM Route**", International Conference on Emerging Trends in Materials and Manufacturing Engineering, IMME17 held on March 10-12, 2017, National Institute of Technology, Tiruchirappalli, Tamil Naidu, India.

Annexure-V

Faculty Development Program Conducted

1. Coordinator of ISTE Approved Two Days Faculty Development Program on "**Pedagogy for Effective Teaching & Learning**" held on April 23-24, 2018 at BRCM CET Bahal, Bhiwani, Haryana, India.