Curriculum Vitae

Dr Dinesh Kumar Kushwaha
Email: dineshkushwaha@gmail.com
Google scholar ID: pW6dqtgAAAAJ
Scopus ID: 57730184600
Linked in ID: linkedin.com/in/dr-dinesh-kumar-kushwaha-0357b81b5

Address for Correspondence
I-80, Govindpuram
Ghaziabad
Uttar Pradesh, 201015
Mo: + 91- 9897629234, + 91- 9548206540

Education

2018-2023	Ph.D. National Institute of Technology (NIT), Jalandhar, Punjab Thesis: System Modelling & Performance Evaluation of Sugar Mill Industry Under Uncertain Environment. Supervisors: Dr. Dilbagh Panchal and Dr. Anish Sachdeva
2011-2013	Master of Engineering, Manufacturing Technology, National Institute Technical Teachers Training and Research Institute (NITTTR), Chandigarh, Punjab.
2001-2004	Bachelor of Engineering (Mechanical Engineering), Nagpur University, Maharashtra.

Teaching and Research Interest

- Operations & Production Management
- Entrepreneurship & Project management
- MCDM approaches
- Reliability & Risk Management

Teaching Experience

2024 - Present	Assistant Professor, Institute of Management Studies Engineering College, Ghaziabad, U.P.
2007-2017	Assistant Professor, Meerut Institute of Technology (M.I.T) Meerut, U.P
2005-2007	Associate Lecturer, Hindustan College of Science and Technology, Mathura,Farah U.P.

Publications

(SCI/SCOPUS ABDC Rating)

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, "Intuitionistic fuzzy modelling-based integrated framework for performance analysis of juice clarification unit". *Applied soft computing Journal*, **ABDC Journal Rating C**, https://doi.org/10.1016/j.asoc.2022.109056.

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, 'Performance evaluation of Bagasse- based Cogeneration Power Generation plant utilising IFLT, IF-FMEA and IF-TOPSIS approaches, *International Journal of Quality and Reliability Management*, Emerald publication, **ABDC Journal Rating B,** Vol. 41 No. 2, pp. 698-731**.**

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, "Performance analysis of a complex process industrial unit utilising Intuitionistic fuzzy based integrated framework" *Journal of Quality in Maintenance Engineering***, ABDC Journal Rating B,** Vol. 30 No. 1, pp. 306-337**.**

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, "A modified FMEA approach based integrated framework for overcoming the problems of sudden failure and accidental hazards in turbine and alternator unit" *Facta Universitatis, series Mechanical Engineering,* **SCI journal, IF 7.9,** DOI :10.22190/FUME221126010K.

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, "An integrated framework based on Intuitionistic fuzzy FMEA, COPRAS and TOPSIS for risk assessment in process industry". *International Journal of Industrial and Systems Engineering,* **Scopus indexed journal,** Vol. 45, No. 2, 2023.

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, "Risk analysis of cutting system under intuitionistic fuzzy environment". Vol (1), No (1), 2020, pp. 162-173. *Reports in Mechanical Engineering*, **Scopus indexed journal,** DOI: https://doi.org/10.31181/rme200101162k.

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, "Performance evaluation of sugarcane milling unit utilising Intuitionistic fuzzy Lambda-Tau approach" *Operational Research in Engineering Sciences: Theory and Applications* (ORESTA) **Scopus indexed journal, (Accepted)**.

Dilbagh Panchal, Dinesh Kumar Kushwaha, "Intuitionistic fuzzy approaches-based structured framework for optimal maintenance policy decision in sugar mill" *Journal of Quality in Maintenance Engineering*, **ABDC Journal Rating C,** DOI 10.1108/JQME-07-2024-0065, **SCI journal, IF-1.6**.

Dinesh Kumar Kushwaha, **"**Intuitionistic Fuzzy Weighted Averaging Operator based TOPSIS-MARCOS approach for academic decision making: A structured framework" International Journal of System Assurance Engineering and Management **SCI journal, IF-1.6, (Editor assigned).**
Dinesh Kumar Kushwaha**,** "Intuitionistic fuzzy MCDM approach based novel alternative selection for utilization of press mud derived from sugar mill: From symbiotic and sustainable perspective,"**(Under review).**

Dinesh Kumar Kushwaha, Dilbagh Panchal, "Reliability analysis, and maintenance planning of boiling house unit using FMEA-IF-MARCOS approach," Opsearch, **SCI journal, (Under review).**

Dinesh Kumar Kushwaha, Unravelling major barriers in implementation of vegetable cold supply chain in India: An Intuitionistic Fuzzy MARCOS-TOPSIS based approach," Journal of Agribusiness in Developing and Emerging Economies," **SCI journal, IF 2.3 (Under Review).**

Course Completed

Production and Operation Management: Swayam-NPTEL (Three credits)

Modelling and Analytics for Supply Chain Management: Swayam-NPTEL (Three credits)

Book chapter

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, *Reliability Analysis of Cutting System of Sugar Industry using Intuitionistic Fuzzy Lambda-Tau Approach.* The Handbook of Reliability, Maintenance, and System Safety through Mathematical Modelling. (Elsevier) DOI https://doi.org/10.1016/B978-0-12-819582-6.00004-6.

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, Risk analysis of an alternator in a co- generation power plant utilising intuitionistic fuzzy Industrial Reliability and Safety Engineering (CRC publication).

International/National Conference

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, Risk analysis of Turbine unit in a co- generation power plant utilising intuitionistic fuzzy concept. Proceeding of 1st International Computational Intelligence on for Engineering and Management Application (CIEMA 22), March 26-27 2022**. (Best Paper Award).**

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, Risk analysis of an alternator in a co- generation power plant utilising intuitionistic fuzzy concept. Proceeding of International Conference on Recent Development on Materials, Safety, Reliability and Safety Issues (IMRSE 21), NIT Jalandhar, India, June 25-27, 2021. **(Best Paper Award).**

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, Risk analysis of cutting system of a sugar industry under fuzzy environment. Proceeding of International Conference on Industrial and Manufacturing Systems (CIMS - 2020).

Dinesh Kumar Kushwaha, Dilbagh Panchal, Anish Sachdeva, Behaviour Analysis of Sugarcane Supply System of a Sugar Mill Industry. Proceeding of 61st National Convention of Indian Institute of Industrial Engineering & 5th International conference on Industrial Engineering (ICIE 2019), NIT Surat, India, 12-14, December 2019.

Courses and conferences coordinated/organized/attended

- Participated in one-week offline workshop on "Python Programming" organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India, December 18-22, 2023.
- Worked as session coordinator in International Conference on Recent Development on Materials, Safety, Reliability and Safety Issues (IMRSE 21), NIT Jalandhar, India, June 25-27, 2021.
- Worked as session coordinator in Proceeding of International Conference on Industrial and Manufacturing Systems (CIMS - 2020).
- Attended one-week short term course on Recent Tools and Techniques for Research (RTTR-19), NIT Jalandhar, India, January 25-29, 2019.
- Attended one day workshop on Reliability Engineering and Applications, NIT

Kurukshetra, India, December 25th 2018.

- Participated in course on Mechanical Testing of Advanced Materials for Mining and Mineral Industries, IIT Dhanbad, India, May 12-14, 2017.
- Participated in workshop on Engineering Faculty Workshop organized by WIPRO MISSION 10 X, MIET Meerut, India, September 23-25, 2013.
- Worked as organizer in National Workshop on Spectroscopic Techniques, HCST, Mathura, India, August 2-4, 2007.
- Participated in Faculty Development Programme on Teaching-Learning Strategies organized by Faculty Training Institute Greater Noida (SGI), India, May 15-27, 2006.
- Participated in two days Power Plant Familiarization organized by NPTI Nagpur, India, March 11-12, 2004.

References

1) Dr Dilbagh Panchal, Address: Department of Mechanical Engineering, National Institute of Technology, Kurukshetra, Haryana, Email: panchald@nitkkr.ac.in, Contact Number +91 9639965310.

2) Prof Anish Sachdeva, Address: Department of Industrial & Production Engineering Dr. B.R. Ambedkar National Institute of Technology, Jalandhar Email: asachdeva@nitj.ac.in, Contact Number +91 9501019873.