

Prof. Dilip Mishra

Assistant Professor, The ICFAI University, Raipur

Email Id: er.dilipmishra@gmail.com

Contact No.: 08982049233

Professional profile Id :

<https://scholar.google.com/citations?DilipMishra>

<https://orcid.org/0000-0003-0752-6999>



Education Qualification:

Doctor of Philosophy in Mechanical Engineering (Pursuing)



Chhattisgarh Swami Vivekanand
Technical University Bhilai

Master of Engineering in Mechanical Engineering (2011-2014)



Chhattisgarh Swami Vivekanand
Technical University Bhilai

Work Experience:

- Teaching Experience (in years) : >12 Years
- Industrial Experience (in years) : 01 Years
- Total Experience: >12 Years

Summary

- Books Authored : 04 (International)
- Books Chapters : 03 (Taylor & Francis)
- Patents : 07
- Paper Publications: 13 (SCI/ESCI/Scopus)
- Workshops/FDP/Webinars: 31

Professional Bodies Membership:

- Life Member of “Indian Society For Technical Education”, New Delhi, India
- Life Member of “The Combustion Institute (Indian Section)”, IIT - Madras, India

Publication Details (from Latest onwards):

Sr. No.	Author Name	Title	Journal Name	Date of Publication	UGC Care/Scopus/SCI/ SSCI
1	D. Mishra. Et. al	Investigation on Industrial Safety in Gas Processing Plants with a Focus on Fire Prevention and suppression	Journal of Data Acquisition and Processing	Accepted, March, 2023	Scopus
2	D. Mishra. Et. al	Potential Impact of indoor air pollutants on human health due to Poor Indoor Air Quality in Indian Context and its standards	International Journal of Design & Nature and Ecodynamics	Accepted 19 March, 2023	Scopus
3	D. Mishra. Et. al	A Comprehensive Study on Climate Change Impact on Forest and Adaptive Measures	Annals of Forest Research	December, 2022	Scopus
4	D. Mishra. Et. al	Mechanical Properties of Ramie Polymer Composites: Review	Advances and Applications in Mathematical Sciences	September, 2022	SSCI
5	D. Mishra. Et. al	A comprehensive study of an Al-5032 alloy	Advance Physics Letter	2016	Peer Reviewed
6	D. Mishra. Et. al	Heated Air Ventilation with Transpired Solar Wall System during Winter Months: A Study of Sarguja District	International Journal of Engineering Research & Technology	2016	Scopus
7	D. Mishra. Et. al	Estimation of CO ₂ Saving from Household (Residential) Appliances Assisted With "Solar Technology	Advance Physics Letter	2015	Peer Reviewed
8	D. Mishra. Et. al	Experimental Analysis of Thermal Performance of Evacuated U-Tube	Advance Physics Letter	2015	Peer Reviewed

		Solar Collector			
9	D. Mishra. Et. al	Solar Energy as Non-conventional Energy Source Utilization for Water Heating - A techno-economic study	Advance Physics Letter, 2 (1) 28-30	2015	Peer Reviewed
10	D. Mishra. Et. al	Present energy scenario and solar energy as an alternative option for environmental protection	Recent Research in Science and Technology	September, 2014	Peer Reviewed
11	D. Mishra. Et. al	Evacuated U-Tube Solar Water Heating System - A Descriptive Study	International Journal of Innovative Research in Science, Engineering and Technology	May, 2014	Peer Reviewed
12	D. Mishra. Et. al	A Study and Theoretical Analysis of Evacuated Tube Collectors as Solar Energy Conversion Device for Water Heating	Advance Physics Letter	2014	Peer Reviewed
13	D. Mishra. Et. al	Increasing Pollution Status in Raipur City Due To Mechanization and Urbanisation	International Journal of Engineering Science and Innovative Technology	2014	Peer Reviewed

Participated/Presented Paper in Workshop/Seminar/Conference/FDP:

Sr. No.	Title of the Paper	Name of Conference/Seminar/Workshop	National/ International	Date of Presentation	Online/Offline (Venue in case offline)
1	IP Awareness/Training program	National Intellectual Property Awareness Mission	National	30th January 2023	Intellectual Property Office, India
2	-	Online Course on “RS and GIS applications in Atmospheric and Oceanic Hazards”	National	27th Feb – 03rd March, 2023	Govt of India Department of Space Indian Space Research Organization, Indian Institute of Remote Sensing, Dehradun
3	-	International Conference on Paradigms in Emerging Corporate Ecosystem	International	19-20 January, 2022	The ICAFI University, Raipur
4	Mechanical Properties of Ramie Polymer Composites: Review	7th International Conference on Computational Optimization, Modeling and Simulation: Recent Trends and Challenges	International	26 March, 2022	RCET, Bhilai
5	International FDP	Teaching and Learning in Higher and Professional Education-the challenges and opportunities	International	18 th April 2022	Online IFERP
6	One Week International FDP	Trends and Challenges in the Development of Electric Vehicles & Hybrid Electric Vehicles (Series-I)	International	26th-30th September, 2022	(Online) Lendi Institute of Engineering & Technology, Vizianagaram, Andhra Pradesh
7	Potential Impact of Indoor Air Pollutants on Human Health due to Poor Indoor Air Quality in Indian Contexts and its Standards”	3rd International Conference on Sustainable Research in Engineering, Science & Management	International	16th December 2022	SSIPMT Raipur
8	National Webinar	Healthy, Airside Solutions to Significantly Reduce Your Building’s Carbon Footprint	National	05.02.2021	ASHRAE – Rajasthan Chapter
9	AICTE Training	Energy Engineering	National	08 th -12 th	(Online) School

	And Learning (ATAL) Academy Online Elementary FDP			February, 2021	of Energy & Environment Management.
10	A Comprehensive Review on Indoor Air Quality for Individuals Healthy Living	UGC-SAP-DRS-II Advances in Environmental & Chemical Sciences	International	12th – 13th March 2021	School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, CG.
11	'GUJCOST Supported One-Week Online STTP	Recent Advances in Fluids and Thermal Engineering (RAFT 2021)''	National	15-20 March, 2021	(Online) Department of Mechanical and Aero-Space Engineering, Institute of Infrastructure, Technology, Research And Management, Ahmedabad
12	AICTE Training And Learning (ATAL) Academy Online Elementary FDP	Electric Vehicles & Energy Storage Systems integrated with Renewable Energy Sources'' from at	National	23rd-27th August, 2021	(Online) Sri Vasavi engineering college.
13	AICTE Training And Learning (ATAL) Academy Online Elementary FDP	Electric Vehicle: Design to Product Development	National	01/09/2021 to 05/09/2021	(Online) A. P. Shah Institute Of Technology, Thane
14	-	International Conference and Usability of Contemporary Science and Technology Tools for Society	International	08-09 October, 2021	The ICFAI University, Raipur
15	National Webinar	Nuances of Online Teaching	National	18 th July, 2020	Online Lexicon Management Institute of Leadership & Excellence, Pune
16	National Webinar	Latest Trends in Nanotechnology	National	10 th September, 2020	Online IFERP
17	National Webinar	Scope, Opportunities and Challenges for E-Vehicle in India	National	12 th September 2020	Online IFERP
18	National Webinar	Composite Materials – Metal Matrix Composite	National	26 th September, 2020	Online IFERP
19	National	Recent Development in	National	25 th October,	Online

	Webinar	Nanostructured Metals and Alloys		2020	IFERP
20	National Webinar	Awareness on Intellectual Property Rights for Technical Innovations	National	29th October 2020	BIT, Durg, and L.S. Davar & Co. Kolkata, India
21	International Webinar	Emerging HVAC Technologies for energy efficient healthy buildings in hot and humid climates	International	31.10.2020	ASHRAE-Saudi Arabia Chapter
22	AICTE sponsored Short Term Training Programme	Business Data Analysis and Research Publications	National	02nd-07th November, 2020	Faculty of Management Studies, Shri Shankaracharya Technical Campus, Bhilai (CG)
23	National Webinar	The influence of occupant behavior on indoor environment and energy use in buildings	National	06.11.2020	ASHRAE – Rajasthan Chapter
24	National Webinar	Fundamentals of Water System Design	National	11.12.2020	ASHRAE – Rajasthan Chapter
25	National Webinar	Variable Primary Flow Chilled Water Systems,	National	17.12.2020	ASHRAE – Rajasthan Chapter
26	A Technology to Improve Air-Heating Performance of Flat Metallic Solar Collector	ICRTSE-2015	International	15th – 16th January 2016	V.Y.T. autonomous college, Durg
27	Solar Energy as Non-conventional Energy Source Utilization for Water Heating - A techno-economic study	National Conference on "Innovation in Engineering"	National	18.04.2016	JK engineering College, Bilaspur, C.G.
28	Heated Air Ventilation with Transpired Solar Wall System during Winter Months: A Study of Sarguja District	ISNCESR-2015	International	21-22 March, 2015	Parthivi College of Engineering & Management, Bhilai
29	Present energy scenario and solar energy as an alternative option for	International Conference on “Emerging challenges and issues in environmental protection”	International	23 and 24 January, 2014	RIT, Raipur, India

	environmental protection				
30	Symposium	Environmental impact appraisal and regulatory procedures	National	26th March 2014	Raipur Institute of Technology, Raipur, C.G.
31	Two Week Workshop	ISTE Workshop on Engineering Mechanics	National	26 Nov- 06 Dec 2013	IIT, Bombay sponsored by MHRD India.SSIPMT, Raipur, India

Patents Details:

1. Solar Power Tracker Management, Publication date 2022/9/16, Application number 202221051147,
2. A system for Smart air quality sensors to detect forest fires using the Internet of Things, Publication date 2022/12/2, Application number 202211065517,
3. Artificial Intelligence Based Approach To Analyse The Pros And Cons Of Mini Channel Based Solar Collectors For Effective Utilization of Solar Energy, Publication date 2022/11/18, Application number 202241058952,
4. An Internet of Things (IoT)-based, solar-powered water cooler system to enhance and fortify national economic growth, Publication date 2023/1/6, Application number 202211072392.
5. Plastic Waste Management System, Publication date 2022/10/31, Application number 373303-001.
6. Device to Perform Analysis of Polymer Concrete, Publication date 2022/8/30, Patent number 370094-001, Application number 205448.
7. Portable Wind Turbine, Publication date 08 March, 2023, Design number 6263323

List of Awards/Honours:

1. "Research Excellence Award-2023" in the "1st International Conference on Advanced Optimization Techniques and Applications (AOTA) - 2023", (21st & 22nd January 2023), organized by Ramgarh Engineering College (Estd. by Govt. of Jharkhand & Run by Techno India Under PPP), in Collaboration with Sultan Moulay Slimane University, Morocco City University, Malaysia.
2. "Best Paper Award" in the 3rd International Conference on Sustainable Research in Engineering, Science & Management (ICSRESM-2022) held on 16.08.2022 at SSIPMT Raipur. The manuscript was titled "Potential Impact of Indoor Air Pollutants on Human Health due to Poor Indoor Air Quality in Indian Contexts and its Standards".
3. "Young Researcher Award 2022" for my recent Patent/research/publications by the Institute of Scholars, Karnataka, India, an ISO 9001:2015 certified & Registered under Ministry of MSME & Corporate Affairs, Govt. of India.

Others (Any other information you want to add):

Books Authored

1. Co-authored “Solar Energy Advancement and Application”, ISBN: 978-93-95405-61-4, Publication date 2022/10/6, Volume 1, Pages 200, Publisher Alpha International Publication (AIP).
2. Co-authored “Green Energy and Green Environment, ISBN: 978-93-95405-82-9”, Publication date 2022/10/6, Volume 1, Pages 175, Publisher Alpha International Publication (AIP).
3. Authored “Structure & Properties of Materials : Practice Handbook”, ISBN:978-620-6-15083-1, Publication Date 2023/03/13, Volume 1, Pages 52, Publisher Lambert Academic Publishing (LAP).
4. Authored “Features and Thermal Performance Analysis of Evacuated U-Tube Solar Collector”, ISBN: 9798711720549, publication date 2021/06, kindle Direct Publishing, USA

Book Chapter's published

1. Co-authored a book chapter titled "A Review on Mechanical Properties of Coir-Reinforced Polymer Composites" in Computational Optimization, Modeling, and Simulation for Engineering Applications, ISBN: 9781774916001, CRC Press (Taylor & Francis Group).
2. Co-authored a book chapter titled "A Review of Blockchain and Its Energy Consumption" in Computational Optimization, Modeling, and Simulation for Engineering Applications, AAP Research Notes on Optimization and Decision Making Theories, ISBN: 9781774916001, CRC Press (Taylor & Francis Group).
3. Co-authored a book chapter titled “ZnS nanoparticles for high performance Supercapacitors” in 1st Edition of Materials for Sustainable Energy Storage at the Nanoscale, ISBN: 9781032405438, CRC Press (Taylor & Francis Group).

Reviewer Nomination

1. Reviewer of the IEEE Sponsored OPJU International Technology Conference on Emerging Technologies for Sustainable Development (OTCON 2.0) 08-10 February, 2023 from OP Jindal University, Raigarh, Chhattisgarh, India
2. Reviewer of an American Journal of Engineering and Technology Management, USA, 23 November, 2022.
3. Reviewer of InSc International Publishing Platforms and also for Technical Events under the stream: Mechanical Engineering.

Personal Details :

Name	: Dilip Mishra
Spouse's Name	: Smt. Mohini Ojha Mishra
Date of Birth	: 15 th July 1989
Nationality	: Indian
Languages	: English, Hindi, Bhojpuri

I hereby declare that all the above information is true to the best of my knowledge and belief.

Place: Kumhari
DATE: 27.03.2023

DILIP MISHRA