

CURRICULUM VITAE

Name: Dr. Madan Chandra Maurya

Born: 19 September 1989, Lucknow, Uttar Pradesh, India.

Citizenship: Indian

Address of Communication:

Associate Professor,
Department of Civil Engineering, Harcourt Butler Technical University,
Kanpur-208002, Uttar Pradesh, INDIA

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Education:

- Ph.D. (Structural Engineering) 2023
Department of Civil Engineering, MMMUT Gorakhpur,
Uttar Pradesh, INDIA
(*Title: Analysis of Nanocomposite Plate Using Higher Order Shear Deformation Theory, Supervisor: Prof. S. M. Ali Jawaaid, CED MMMUT Gorakhpur, Co-supervisor: Prof. Anupam Chakrabarti, CED IIT Roorkee, Roorkee Uttarakhand*)
- M. Tech (Structural Engineering) 2014
Department of Civil Engineering, NIT Srinagar (J & K), Jammu & Kashmir, INDIA
- B. Tech (Civil Engineering) 2012
Department of Civil Engineering, Sri Ram Swaroop Memorial College of Engineering and Management, UPTU. Lucknow, Uttar Pradesh, INDIA

Current Position:

- Assistant Professor Level-10 (June 2016 – June 2020)
Department of Civil Engineering,
Madan Mohan Malaviya University of Technology
Gorakhpur: 273010 (UP), INDIA
- Assistant Professor Level-11 (June 2020 – June 2024)
Department of Civil Engineering,
Madan Mohan Malaviya University of Technology
Gorakhpur: 273010 (UP), INDIA
- Assistant Professor Level-12 (June 2024 – Till Date)
Department of Civil Engineering,
Madan Mohan Malaviya University of Technology
Gorakhpur: 273010 (UP), INDIA

Previous Positions/Experience:

- Assistant Professor (July 2014 – June 2016)
Department of Civil Engineering
Shri Ram Swaroop Memorial University
Lucknow - Deva Road, Barabanki, Uttar Pradesh 225003

Research Interest:

- Finite Element Analysis
- Composite structures
- Nonlinear Static Analysis of Structures (Pushover Analysis)

- Retrofitting and Rehabilitation of Buildings
- Plastic Analysis of Steel Structures

Research Profile:

- Research Gate score: 71.9
- ORCID id: <https://orcid.org/0000-0002-1211-2048>
- Web of Science Research id: [AHB-3363-2022](https://www.webofscience.com/wos/author/uri?uri=AHB-3363-2022)
- VIDWAN Id: <https://vidwan.inflibnet.ac.in/profile/142574>
- Google scholar id: <https://scholar.google.co.in/citations?user=mGITB18AAAAJ&hl=en>
- Research gate id: <https://www.researchgate.net/profile/Madan-Maurya>

Awards and others:

- Gate Scholarship in 2012

Ph.D. Supervision: 03 (ongoing)

M. Tech thesis supervised – 58

S. NO.	STUDENT NAME	YEAR	TITLE/AREA OF DISSERTATION
1.	Mr. Sujeet Kumar Chaudhary	2017	Study on different grade of concrete in tension and compression zone in R.C.C Beam.
2.	Mr. Dharmveer Sonkar	2017	A Comparative study of the infilled frames under lateral load using finite element method.
3.	Mr. Dharmendra Kushwaha	2017	Numerical Analysis of tuned Liquid Damper for Framed Structure.
4.	Mr. Bhanu Pratap Singh	2017	Deterministic seismic hazard analysis of Kathmandu region.
5.	Mr. Mohd. Shahnawaz	2017	Study on mechanical properties of concrete using silica and glass powder.
6.	Mr. Gaurav Singh	2017	Study of bubble deck slab
7.	Mr. Amardeep Pandey	2017	A study on earthquake resistant design of combination of reactors treating municipal wastewater. <i>Jointly Guided with Prof. Govind Pandey, CED MMMUT Gorakhpur.</i>
8.	Mr. Abhishek Srivastva	2017	Study of a Prestressed steel beam.
9.	Mr. Lokendra Kaushal	2017	Study on adhesion properties between bamboo and Concrete.
10.	Mr. Aman Kumar Upadhyay	2017	Liquefaction hazard assessment of Gorakhpur region.
11.	Mr. Saurabh Kumar Singh	2018	Experimental Studies on different innovative Cold formed steel section in various member.
12.	Mr. Amit Kumar Yadav	2018	Study on slab with different boundary condition using yield line approach.
13.	Mr. Dinesh Kumar Malviya	2018	Performance Evaluation of piles for Slope reinforcement. <i>Jointly Guided with Dr. S. Ganesh Kumar, Scientist, Geotechnical Engineering Division, C.S.I.R.B.R.I Roorkee, UK.</i>
14.	Mr. Ashwani Kumar Yadav	2018	Comparative Study between hot rolled parallel flange section and tapered flange section.
15.	Mr. Surya Prakash	2018	Study on effect of corrosion of reinforcement in RCC beam.

	Sharma		
16.	Ms. Anjali Rai	2018	Performance of bacterial concrete under strength and durability characteristic.
17.	Ms. Neha	2019	Analysis of laminated composite plates using first order shear deformation theory.
18.	Mr. Vaibhav Mittal	2019	Seismic soil structure interaction of buildings supported on piled raft foundation.
19.	Ms. Dirgha Singh	2019	Seismic performance of precast RC shear wall. Jointly Guided with Dr. Ajay Chourasia, (Principal Scientist, CSIR-CBRI, Roorkee)
20.	Mr. Ayush Srivastava	2019	Design of Confined masonry building with different types of units. Jointly Guided with Dr. Ajay Chourasia, (Principal Scientist, CSIR-CBRI, Roorkee)
21.	Mr. Atul Prakash Singh	2019	Development of headed bars as Mechanical anchorage device for beam-column joints. Jointly Guided with Dr. Ajay Chourasia, (Principal Scientist, CSIR-CBRI, Roorkee)
22.	Mr. Atyendra Kumar Singh	2019	Seismic Analysis of different shapes of building Using Non-Linear Analysis.
23.	Mr. Shubham Singh	2020	Thermal and flexural behavior of RC beams under fire exposure. Jointly Guided with Dr. Suvir Singh, (Chief Scientist) Fire Research Group, CSIR-CBRI, Roorkee.
24.	Mr. Mohammad Rashid	2020	Static and free vibration analysis of functionally graded plate using ANSYS.
25.	Ms. Nistha Sahu	2020	Effect of base isolation on multistory building using ETABS.
26.	Mr. Ayush Kumar Rastogi	2020	Active Vibration control of FGM and Isotropic plates using piezoelectric patches.
27.	Mr. Shivam Srivastava	2021	Finite elemental analysis of laminated composite plate using ABAQUS.
28.	Mr. Adnan Ansari	2021	Effects of tunnel-soil-Foundation-Structure Interaction on response of buildings supported on shallow foundation. Jointly Guided with Dr. Manojit Samant. (Senior Scientist), CBRI Roorkee.
29.	Ms. Pritee Yadav	2021	Seismic analysis of concrete buildings reinforced with super-Elastic shape memory alloy rebar using SAP2000. Jointly Guided with Dr. Vinay Bhushan Chauhan, Assistant Prof., CED MMMUT Gorakhpur.
30.	Mr. Avinash Kumar Yadav	2021	Effects of dynamic Soil-Structure-Interaction on the response of irregular buildings supported on deep foundation. Jointly Guided with Dr. Manojit Samanta. (Senior Scientist), CBRI Roorkee.
31.	Mr. Sonu Pandey	2021	Seismic assessment and retrofitting of G+8 Story building using ETAB.
32.	Mr. Shaishav Kumar Jha	2021	Application of ANN in predicting structural behavior of a building using MATLAB.
33.	Miss. Aditi Pandey	2021	Performance of Concrete Using Calcite Precipitating Bacteria
34.	Mr. Dheeraj Kumar Pandey	2021	Experimental Study on Bacillus Subtilis Bacteria to Improve the Physico-Mechanical Properties of Cement Mortar.
35.	Mr. Prateek Kumar	2022	Seismic analysis and different types of retrofitting of the building. Jointly Guided with Prof. S M ALI JAWAID, CED MMMUT Gorakhpur.
36.	Mr. Alkesh Sangam	2022	Performance evaluation of a building using non-linear static analysis. Jointly Guided with Prof. S M ALI JAWAID, CED MMMUT Gorakhpur.
37.	Mr. Pushpit	2022	Static Analysis of Composite Plates Using MATLAB.
38.	Mr. Sajal Dubey	2022	Flexural behavior of Functionally graded shells using ABAQUS.

39.	Mr. Shivam Kamboj	2022	To analyze the durability characteristics of bacterial concrete. <i>Jointly Guided with Dr. Leena Chaurasia, (Principal Scientist), C.S.I.R- Central Building Research Institute.</i>
40.	Mr. Akhilesh Goswami	2022	Analysis of water tank for different soil medium and different time history. <i>Jointly Guided with Prof. S M ALI JAWAID, CED MMMUT Gorakhpur.</i>
41.	Mr. Yogendra Nath Mishra	2022	Analysis of building with tuned mass damper.
42.	Mr. Shubharanshu Singh	2022	Time History Analysis of G+8 RCC Structure Subjected to Simulated Earthquake ground motion. <i>Jointly Guided with Dr. Keshav Kumar Sharma, Assistant Professor, CED NIT Jamshedpur.</i>
43.	Mr. Shubhamjeet Yadav	2022	Seismic site response analysis of MMMUT Gorakhpur. <i>Jointly Guided with Dr. Keshav Kumar Sharma, Assistant Professor, CED NIT Jamshedpur.</i>
44.	Mr. Mohd Shadab	2022	Study on optimum parameter of MASW for MMMUT Gorakhpur. <i>Jointly Guided with Dr. Keshav Kumar Sharma, Assistant Professor, CED NIT Jamshedpur.</i>
45.	Mr. Vipin Singh	2022	Fragility analysis of Intze water tank using Staad pro.
46.	Mr. Sachin Kumar	2023	Buckling analysis of functionally graded material plates by using COMSOL.
47.	Ms. Divya Pandey	2023	Strength and durability assessments of MWCNT modified HVFA Concrete.
48.	Mr. Ankit Sharma	2023	Non-Linear Static analysis of retrofitted and Non- Retrofitted Reinforced Concrete Building.
49.	Mr. Abdul Basit	2023	Vibration Analysis of Functionally Graded Material Shell using ANSYS Software.
50.	Mr. Vipin Chaurasiya	2023	Experimental Study on Effect of Micro Silica Fume and Fly ash on mechanical properties of concrete.
51.	Mr. Shani Kumar Maurya	2024	Study on Mechanical Properties of concrete prepared by Artificial Aggregate.
52.	Mr. Rishabh Singh	2024	Experimental Study on composite material using Carbon Nanotubes.
53.	Mr. Srijan Srivastava	2024	Parametric study of buildings considering soil structure interaction using SAP2000.
54.	Mr. Devender Singh	2024	Experimental Study on flexural behavior of concrete by partial replacement of coarse aggregate with artificial aggregate.
55.	Mr. Pankaj Singh	2024	Experimental Study on the Effect of Carbon Nanotubes in Recycled Coarse Aggregate Concrete.
56.	Mr. Himanshu Mani Tripathi	2025	Pushover Analysis of a reinforced concrete bridge.
57.	Mr. Amritanshu Singh	2025	Finite element analysis of built up battened cold formed steel column.
58.	Mr. Ashish Kumar Pandey	2025	Experimental Study on Recycled Cement Plaster Waste.

Books: Nil

Teaching:

Undergraduate

- Steel Structures
- Bridge Engineering

Postgraduate

- Advanced Structural Analysis

- Finite Element Method
- Metal Structures
- Structural Dynamics

Courses Developed: Nil

PhD Thesis Examined: Nil

Patent: Nil

Research Collaborations:

Outside University: 07

1. Research Collaborations with Dr. S. Ganesh Kumar, Scientist Geotechnical Engineering Division, CSIR-CBRI, Roorkee, Uttarakhand. (2017)
2. Research Collaborations with Chief Scientist Dr. Ajay Chourasia, Scientist Structural Engineering Division, CSIR-CBRI, Roorkee, Uttarakhand. (2018)
3. Research Collaborations with Dr. Manojit Samanta, Scientist, Geotechnical Engineering Division, CSIR-CBRI, Roorkee, Uttarakhand. (2018)
4. Research Collaborations with Dr. Suvir Singh, Chief Scientist & Group Leader, Fire Research Group, CSIR-CBRI, Roorkee, Uttarakhand. (2020)
5. Research Collaborations with Dr. Manojit Samanta, Scientist, Geotechnical Engineering Division, CSIR-CBRI, Roorkee, Uttarakhand. (2021)
6. Research Collaborations with Dr. Leena Chaurasia, Senior Principal Scientist Building Materials and Environmental Sustainability Division, CSIR-CBRI, Roorkee, Uttarakhand. (2022)
7. Research Collaborations with Dr. Keshav Kumar Sharma, Assistant Professor, Department of Civil Engineering, NIT Jamshedpur. (2022)

Within University: Nil

Reviewer:

International Journals: 02

- Polymers and Polymer Composites - SAGE Journals
- Journal of Composite Materials

Editorial Member of Journal: Nil

Invited Lectures: 05

1. Practical learning through virtual Lab in Five Days National Workshop organized by Department of Civil Engineering Institute of Engineering & Technology Dr Ram Manohar Lohia Avadh University Ayodhya, U.P India, July 2020. (Invited lecture)
2. Earthquake Resistant Design of Structures, REC Ambedkar Nagar, U.P India, November 2019. (Invited lecture)
3. Fundamentals of Structural Dynamics in one week Faculty Development Program organized by M.M.M.U.T Gorakhpur in Collaboration with N.I.T.T.T.R Chandigarh, India, November 2019. (Invited lecture)
4. Expert talk on the topic "CONCRETE" by ADANI CEMENT (ACC) with the Engineers of Basti District on 20th March 2024 in Basti.
5. Delivered expert talk as key note speaker on Recent Trends in Various Approach Towards Green Concreting Method in Seventh International conference Seventh International Conference on Challenges

and Opportunities for Innovation in India (COII) organized by AIMT Lucknow from 23rd -24th February 2024.

Short-term courses/ Workshops organized: 05

1. Organized one-week FDP on Laboratory Experiments Using Virtual Lab in Civil Engineering from 21st September – 25th September 2020 sponsored by TEQIP-III.
2. Organized one-week STC on Emerging Trends in Civil Engineering (ETCE-2016) from October 1-7, 2016 sponsored by TEQIP-II.
3. Organized TEQIP-III sponsored a one-day workshop on “Advances in Structural Engineering” under the twinning activity of TEQIP-III in association with SVNIT Surat and NIT Jamshedpur on July 03, 2020.
4. Organized online webinar on Recent Advances in Structural Engineering. In which two experts were invited as Dr. Kumar Pallav, senior Lecturer, Penninsula University of Technology, Capetown, South Africa delivered an expert talk on Heritage Structure and its Material Characterization and Dr. Keshav Sharma, Assistant Professor, NIT Jamshedpur delivered talk on Ultra High-Performance Concrete on May 12, 2020.
5. Organized International Conference on (as member of local organizing committee) Frontiers in Desalination, Energy, Environment and Material Sciences for Sustainable Development (FDEEMSSD - 2023) during 16-17 March 2023 jointly organized by Madan Mohan Malaviya University of Technology Gorakhpur, Uttar Pradesh-273010, India, KIPM-College of Engineering & Technology Gida, Gorakhpur, Uttar Pradesh-273209, India and Indian Desalination Association (InDA).

Short-Term Courses/Workshops Attended: 13

1. Attended three days’ workshop on “Pedagogical Training for Effective Teaching in Technical Education” from March 21-23, 2017 at MMMUT, Gorakhpur.
2. Attended Short Term Course on “Advanced Composites: Mechanics and Applications” organized by Civil Engineering Department IIT BHU from December 12-14, 2017.
3. Attended three days’ workshop on “Communication and Presentation Skill” from March 26-28, 2017 at MMMUT, Gorakhpur.
4. Attended one day workshop on “Legal Issue of Plagiarism in Technical Institutions” on March 31st 2017 at MMMUT, Gorakhpur.
5. Attended five days STC on Introduction to Nonlinear Finite Element Method organized by IIT Kanpur from January 15- 19, 2020.
6. Attended three days Malaviya Research Conclave (MRC-2020) organized by MMMUT Gorakhpur from February 22- 24, 2020.
7. Attended one-week Pedagogical Training Program organized by MMMUT Gorakhpur from May 11 – 16, 2020.
8. Attended National Seminar on Significant Role of E-education through Social Distancing During Lockdown of Covid-19 Pandemic organized by IET, Dr. RMLAU, Ayodhya, U.P. &Dr. Ambedkar Institute of Technology Bengaluru, Karnataka & SPIU Uttar Pradesh from April 8-9, 2020. (Online)
9. Attended one week faculty development program on Soft Computing Techniques in Geotechnical Engineering with Emphasis on Pile Foundations organized by Vardhman College of Engineering, Hyderabad, from 14th to 26th March, 2022, through online mode.
10. Attended one-week faculty development program on Experiential Learning for Improving Teaching Learning organized by NITTTR Kolkata from 3rd June to 7th June, 2024, through online mode.
11. Attended one-week faculty development program on Analysis and Design of Super-structures and Foundations using powerful Structural Engineering Software organized by NITTTR Kolkata from 22nd April to 26th April, 2024 though online mode.
12. Attended one day workshop on NIRF-A Comprehensive Analysis on 7th October 2023 organized by IQAC cell of MMMUT Gorakhpur U.P-273010.

13. Attended one-week Executive Industrial Training Program on the Application of ANSYS for Teaching and Research organized by MMMUT Gorakhpur in association with ANSYS-certified elite channel partner ARK info-solution during 23rd-29th April 2024.

Administrative works:

Institute Level:

- Assistant Coordinator TEQIP-III at MMMUT Gorakhpur. (2016-2020)
- O/C Construction & Maintenance at MMMUT Gorakhpur. (2018-2020)
- Program officer NSS at MMMUT Gorakhpur.
- Warden Subhash Bhawan at MMMUT Gorakhpur (2022)
- Member of the University Information Technology Resource Centre at MMMUT Gorakhpur (2022-2023)
- University EAP Coordinator under TEQIP-III at MMMUT Gorakhpur. (2016-2020)
- University Grievance Redressal Officer (GRO) under TEQIP-III at MMMUT Gorakhpur.
- Co-coordinator in NAAC-AQAR (Session 2022-23) for Executive Summary, Profile of University, Institutional Preparedness for NEP, Extended Profile of University at MMMUT Gorakhpur.
- Deputy Coordinator for **University Center for Continuing Education and Technical Development** at MMMUT Gorakhpur.
- Member of the University Academic Progress Report Preparation Committee at MMMUT Gorakhpur.
- Member of the University Virtual Lab Cell at MMMUT Gorakhpur.
- Associate Dean Civil Construction and Maintenance at MMMUT Gorakhpur. (2023 to 2025)
- Project officer of six construction projects at MMMUT Gorakhpur.
- University Assistant Engineer at MMMUT Gorakhpur. (2024-2025)

Departmental level:

- Deputy O/C Concrete & Concrete Structures Lab at MMMUT Gorakhpur. (2022-2025)
- Deputy O/C Departmental Computer Lab at MMMUT Gorakhpur. (2024)
- Deputy PG Convenor at MMMUT Gorakhpur. (2016–2021)
- O/C Mechanics of Structures Lab at MMMUT Gorakhpur. (2016 to 2025)
- Departmental TEQIP-III convenor at MMMUT Gorakhpur. (2016 - 2018)
- Departmental convenor for preparation of Monthly Progress Report and Department Progress Report (half-yearly) at MMMUT Gorakhpur. (2016 to 2024)
- Faculty Advisor for Departmental Technical Society as Association of Civil Engineers (ACE) at MMMUT Gorakhpur. (2016 to 2025)
- Departmental PG Convenor at MMMUT Gorakhpur. (2022 to 2024)

Professional Membership: 01

- Institution of Engineers [AM1936533]

Publications:

In Journals: 21

1. **Maurya, Madan Chandra**, and Dinesh Kumar Malviya. "Recycled C&D waste—An energy-efficient and sustainable construction material." International Journal of Engineering, Science and Technology 13.1 (2021): 119-124.
2. Dar, M. Adil, **Madan Chandra Maurya**, and Saqib Fayaz. "Experimental study on the properties of chemical commixed concrete." i-manager's Journal on Structural Engineering 3.2 (2014): 1.

3. Kaushal, Lokendra, and **Madan Chandra Maurya**. "Study on Adhesion and Bonding Performance Between Bamboo and Concrete." *i-Manager's Journal on Structural Engineering* 6.3 (2017): 1.
4. Kumar, N., Kushwaha, D., **Maurya, M. C.**, & Sharma, R. K. (2018). Comparative Study of Equivalent Lateral Force Method and Response Spectrum Method for OMRF Multistory Building—A Review Paper. *International Research Journal of Engineering and Technology (IRJET)*, 5(07), 8.
5. **Maurya, Madan Chandra**. "Bending and Free Vibration Analysis of FGM Plate using ANSYS APDL." *i-Manager's Journal on Structural Engineering* 10.2 (2021): 21.
6. Kushwaha, Dharmendra, and **Madan Chandra Maurya**. "Numerical Analysis of Tuned Liquid Damper (TLD) for a Framed Structure." *i-Manager's Journal on Structural Engineering* 6.2 (2017): 34.
7. Srivastava, Abhishek, and **Madan Chandra Maurya**. "Intuition of Accidents in Indian Railway." *i-Manager's Journal on Civil Engineering* 7.2 (2017): 7.
8. Mishra, Abhishek, **Madan Chandra Maurya**, and Faheem Ahmad Khan. "Effect of Floor Plan Shape on Seismic Responses of Base-Isolated Buildings." *i-Manager's Journal on Structural Engineering* 10.1 (2021): 9.
9. Shubham Singh, Mahesh D Gaikwad, Suvir Singh, **Madan Chandra Maurya**, (2020) "A Comparative Study of Thermal Analysis on Structural Elements", *International Journal of Advances in Mechanical and Civil Engineering (IJAMCE)*, pp. 25-30, Volume-7, Issue-4.
10. Shivam Srivastava, **Madan Chandra Maurya**, Static Analysis of Laminated Composite Plate with Different Loading Conditions Using Abaqus, *Journal of the Maharaja Sayajirao University of Baroda ISSN: 0025-0422, Volume-55 No.5 2021, 144-163.*
11. Aditi Pandey, Dheeraj Kumar Pandey, **Madan Chandra Maurya**, Performance of Concrete Using Calcite Precipitating Bacteria: A Review, *Journal of the Maharaja Sayajirao University of Baroda ISSN: 0025-0422, Volume-55 No.5 2021, 109-121.*
12. **Maurya, M.C.**, Jawaid, S.M. and Chakrabarti, A., 2023. Free Vibration Response of Agglomerated Carbon Nanotube-Reinforced Nanocomposite Plates. *Mechanics Of Advanced Composite Structures*, 10(1), pp.167-194.
13. **Maurya, M.C.**, Jawaid, S.M. and Chakrabarti, A., 2023. Flexural Behaviour of Nanocomposite Plate with CNT Distribution and Agglomeration Effect. *Mechanics Of Advanced Composite Structures*, 10(1), pp.123-136.
14. **Maurya, M.C.** and Malviya, D.K., 2021. Recycled C&D waste-An energy efficient and sustainable construction material. *International Journal of Engineering, Science and Technology*, 13(1), pp.119-124.
15. **Maurya, M.C.**, 2021. Bending and Free Vibration Analysis of FGM Plate using ANSYS APDL. *i-Manager's Journal on Structural Engineering*, 10(2), p.21.
16. Shubham Singh, Mahesh D Gaikwad, Suvir Singh, **Madan Chandra Maurya**, (2020) "A Comparative Study of Thermal Analysis on Structural Elements ", *International Journal of Advances in Mechanical and Civil Engineering (IJAMCE)*, pp. 25-30, Volume-7, Issue-4.
17. **Maurya, M. C.**, Jawaid, S. M., & Chakrabarti, A. (2024). Response of Agglomerated SWCNT Reinforced Nanocomposite Plate under Hygro-Thermal Loading. *Mechanics Of Advanced Composite Structures*, 11(1), 11-40. (SCIMago)
18. Kumar, A., Sinha, S., Pandey, D., **Maurya, M. C.**, & Chauhan, V. B. (2024). Advanced regression models for assessing the strength of multi-walled carbon nanotube-modified high-volume fly ash concrete. *Asian Journal of Civil Engineering*, 25(2), 2247-2268. (SCIMago)
19. Mittal, V., Samanta, M., & **Maurya, M. C.** (2025). Effect of Soil Constitutive Models and Slenderness Ratios of Piles on Seismic Performance of Moment-Resisting Frames Supported on Pile Foundation Considering Soil–Pile–Structure Interaction. *Journal of Structural Design and Construction Practice*, 30(2), 04025004. (SCIMago)
20. Mishra A. K, Kumar S, Kumari A., **Maurya M. C**, Maurya N. S. Comparative Analysis of Random Forest and Decision Tree for Arsenic Prediction in Groundwater in Begusarai, Bihar. *Orient J Chem* 2026;42(1). (Web of Science)

21. Dubey, P.K., **Maurya, M.C.** A comprehensive review of 3D printing in construction: technology, materials, and digital workflow. *Innov. Infrastruct. Solut.* **11**, 51 (2026). <https://doi.org/10.1007/s41062-025-02432-w>

In Conferences: 07

1. Mohammad Rashid and **Madan Chandra Maurya**, “Functionally graded materials: A Review”, International Conference on Energy, Environment & Material Sciences (ICE2M-2019), MMMUT Gorakhpur, India, December 01-03, 2019.
2. Surya Prakash Sharma and **Madan Chandra Maurya**, Effect of Corrosion in Steel Reinforcement in Reinforced Cement Concrete Beams, *Journal of Civil Engineering and Environmental Technology* p-ISSN: 2349-8404; e-ISSN: 2349-879X; Volume 4, Issue 4; July-September, 2017, pp. 345-349.
3. Dinesh Kumar Malviya, **Madan Chandra Maurya**, Fibre Reinforced Polymer—A Noble Piling Material, *Journal of Civil Engineering and Environmental Technology* p-ISSN: 2349-8404; e-ISSN: 2349-879X; Volume 4, Issue 4; July-September, 2017, pp. 318-320.
4. Anjali Rai, **Madan Chandra Maurya**, Eco-concrete: Opportunities and Challenges, *Journal of Civil Engineering and Environmental Technology* p-ISSN: 2349-8404; e-ISSN: 2349-879X; Volume 4, Issue 4; July-September, 2017, pp. 307-312.
5. Ashwani Kumar Yadav, **Madan Chandra Maurya**, Comparative Study between Hot Rolled Parallel Flange Section and Tapered Flange Section, *Journal of Civil Engineering and Environmental Technology* p-ISSN: 2349-8404; e-ISSN: 2349-879X; Volume 4, Issue 4; July-September, 2017, pp. 506-509.
6. Saurabh Kumar Singh, **Madan Chandra Maurya**, Experimental Studies on Various Different Section of Cold Formed Steel Structure in Beam and Column, *Journal of Civil Engineering and Environmental Technology* p-ISSN: 2349-8404; e-ISSN: 2349-879X; Volume 4, Issue 4; July-September, 2017, pp. 476 - 479.
7. Yadav, S., **Maurya, M. C.**, & Sharma, K. K. (2023). Seismic Site Response Analysis of MMMUT Gorakhpur of Uttar Pradesh, India. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1273, No. 1, p. 012005). IOP Publishing.

Book Chapter: 04

1. Dinesh Kumar Malviya, Ganesh Kumar, and **Madan Chandra Maurya**, (2021) Performance Evaluation of Piles for Slope Reinforcement, S. Patel et al. (eds.), Proceedings of the Indian Geotechnical Conference 2019, Lecture Notes in Civil Engineering 133, https://doi.org/10.1007/978-981-33-6346-5_51.
2. Srivastava, A., Pallav, K. and **Maurya, M.C.**, 2022. Flexural Behavior of Continuous Steel Beam Prestressed Via Externally Unbonded Tendons: Numerical Modelling, Parametric Study, and Statistical Analysis. In *Recent Advances in Structural Engineering and Construction Management: Select Proceedings of ICSMC 2021* (pp. 167-177). Singapore: Springer Nature Singapore.
3. A Brief Discussion on Women’s Empowerment in Today’s India, Arun Kumar Verma, Mahima Modi and **Dr. Madan Chandra Maurya**, Book Title: Women Empowerment: Strengths, Challenges, and Strategies, MKSES Publisher, Lucknow, India, First Published: February, 2024 ISBN: 978-81-19746-35-4.
4. Verma, A. & **Maurya, M. C.** (2025). Addressing the Challenges to Accessibility and Research Gaps in Assistive Technology: A Review of Contemporary Assistive Technology Solutions. In R. Pandey, P. Maurya, J. Prajapati, R. Halder, & K. Tyagi (Eds.), *Assistive Technology Solutions for Aging Adults and Individuals with Disabilities* (pp. 89-116). IGI Global Scientific Publishing. <https://doi.org/10.4018/979-8-3693-6308-9.ch005>

Consultancy Project:

Designed/proofread/vetted many civil engineering projects (residential/commercial/industrial) for the following:

- Multi-story RCC Buildings of different types
- Ordinary and pre-engineered steel structures, including stadium canopies, etc.
- RCC Bridges/culverts of different types
- RCC STP structures
- Water tanks, etc.

Referees:

1. **Dr. Anupam Chakrabarti**, Professor, Department of Civil Engineering, IIT Roorkee, Roorkee: 247667, India. Tel.: 91-1332-285844, e-mail: Anupam.chakrabarti@ce.iitr.ac.in
2. **Dr. V. Kumar, Retd. Professor**, Department of Civil Engineering, IIT-BHU, Hindu University Campus, Varanasi, Uttar Pradesh 221005, India. Tel.: +91- 9415620122, e-mail: vkumar.civ@iitbhu.ac.in
3. **Dr. S. M. Ali Jawaid, Retd. Professor**, Department of Civil Engineering, MMMUT Gorakhpur, U.P-273010, India. Tel.: +91-9415066768, e-mail: smajce@mmmut.ac.in

**Dr. Madan Chandra Maurya,
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तदन गोहन नालगीय प्रोद्योगिकी विधविद्यालय में नौकरी के साथ शिक्षक तदन चंद गोय कपेगे शोध कंफ्रीट बजाने वाले बैक्टिरिया की खोज कपेगा एमएमएमयूटी

गोरखपुर | मिथिलेश दिवेदी

एमएमएमयूटी के शिक्षक मदन चंद गोय कंफ्रीट बनाने वाले बैक्टिरिया की खोज करेगे। वह गुडगांव के माइक्रो बैक्टिरियल टेस्टिंग लैब से बैक्टिरिया मंगाएगे और यहां की लैब में उसकी टेस्टिंग कर चार साल में अंतिम नतीजे पर पहुंचेगे। इससे छठो व दीवारों में आने वाली क्रेक की समस्या हमेशा के लिए समाप्त हो जाएगी। इसी साल से एमएमएमयूटी ने पहली बार सो किमी के दायरे के

अवले साल से दोगुने शोधार्थी ले सकेगे प्रवेश

प्रो. डीके दिवेदी ने बताया कि अब तक विधि में शोध के लिए 15 सीटें होती थीं। एमएमएमयूटी अपने विद्यार्थियों को शोध में प्रोत्साहन कराने के बाद 22 हजार रुपये प्रति माह के हिसाब भुगतान करता है। इसकी वजह यह है कि शोध के दौरान उनकी जरूरतें पूरी होती रहें और वह पूरा ध्यान शोध में लगाए। विधि की प्रबंध समिति अगले सत्र यानि वर्ष-2018 से शोध की संख्या बढ़ा कर 30 कर दी है। इनके लिए शोध पूरा करने की अवधि तीन साल होती है।

एमएमएमयूटी के रिसर्च मामलों एवं पीपीएचडी के लिए आवेदन मंगे थे, जो दिवेदी ने बताया कि पार्ट टाइम पीएचडी के लिए करीब सो आवेदन आए थे। इसमें रेलवे, बीएसएनएल

आदि के अलावा देवरिया, महाराजगंज, कुशीनगर, बस्ती आदि के कॉलेजों के शिक्षक शामिल थे। विषय भी उन्होंने खुद सुझाए थे। परीक्षण के बाद 17 लोगों का रजिस्ट्रेशन किया गया है। इन्हें रिसर्च पूरा करने के लिए चार साल का वकालत दिया गया है।

17 लोगों को एमएमएमयूटी उपलब्ध कराएगा गाइड : मदन चंद गोय एमएमएमयूटी के शिक्षक हैं और उन्होंने पी बैक्टिरियल कंफ्रीट विषय पर शोध के लिए रजिस्ट्रेशन कराया है। एमएमएमयूटी के एक शिक्षक बीएचयू की मदद से कचरे से बिल्डिंग स्ट्रक्चर डिजाइन करने पर रिसर्च के लिए रजिस्ट्रेशन कराया है। वह बीएचयू की मदद लेगे। सभी 17 पीएचडी करने वालों को एमएमएमयूटी अपने यहां से गाइड उपलब्ध कराएगा, साथ वह जिस तकनीकी विधि के एक्सपर्ट की मदद लेना चाहेंगे, उसका भी प्रबंध किया जा रहा है। पहली बार विधि ने बाहरी संस्थानों में कार्यरत लोगों को पीएचडी करने का मौका दिया है और इसके बेहतर नतीजे आएंगे।

अवलंबन-2023 : 'कॉस्टेलमानीया' और 'सोच' में स्टूडेंट्स ने दिया प्रेजेंटेशन

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GORAKHPUR (9 May): मदन मोहन मालवीय यूनिवर्सिटी ऑफ टेक्नोलॉजी के एसोसिएशन ऑफ सिविल इंजीनियर्स की ओर से आयोजित अवलंबन-2023 के दूसरे दिन की शुरुआत सृजन कार्यक्रम से हुई. इसमें मनोज कुमार शुक्ला, वरिष्ठ प्रमुख वैज्ञानिक, सीआरआरआई दिल्ली का व्याख्यान जय कृष्णा हॉल में आयोजित हुआ. इसके बाद 'कॉस्टेलमानीया' का आयोजन हुआ जिसमें भारी संख्या में स्टूडेंट्स ने पार्टिसिपेट किया और उन्होंने अपनी कला को कॉस्टेल के जरिए प्रदर्शित किया. साथ ही 'सोच' इवेंट में स्टूडेंट्स



● अवलंबन में हुनर दिखाते स्टूडेंट.

ने अपने चुने हुए सब्जेक्ट के अनुसार प्रेजेंटेशन तैयार किया और ज्यूरी टीम के सामने प्रदर्शित किया.

इन कार्यक्रमों के दौरान जनपदीय अभियांत्रिकी विभाग के अध्यक्ष प्रो. ऐके मिश्रा, अवलंबन-

2023 के कोऑर्डिनेटर प्रो. श्रीराम चौरसिया, एसोसिएशन ऑफ सिविल इंजीनियर्स के फैकल्टी एडवाइजर मदन चंद्र मौर्या और जनपदीय अभियांत्रिकी विभाग के विभिन्न फैकल्टी मेंबर्स उपस्थित रहे.

