

Faculty Profile

Faculty Name	Dr. Mohit Nandal
Designation	Assistant Professor (Civil Engineering)
Qualification	Ph.D, M.E., B.Tech
Email	mohitnandal@gecnilokheri.ac.in
Area of Interest	Transportation Engineering, Sustainable construction materials, Highway Design
Work Experience (Total)	03
• Teaching	03
• Research	0
• Industry	0
• Others	0
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Transportation Engineering, Surveying & Geomatics, Soil Mechanics, Geotechnical Engineering, Estimation & Costing.
Research Publications	08
• Research Papers UGC-CARE	03
• Research Papers SCOPUS	04
• Research Papers WoS/SCI/ABDC	01
• List of Publications	Enclosed as Annexure-1
Book and Chapter Publications	01
• Publication of Chapter in Edited Books	01
• List of Book and Chapter Publications	Enclosed as Annexure-2
Awards & Honours	01
• List of Awards & Honours	Enclosed as Annexure-3

Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	01 (Paper Presentation)
• National	01
• List of published papers	Enclosed as Annexure-4
Social Contributions and Sports	05
• List of Social Contributions and Sports	Enclosed as Annexure-5

List of Publications: ANNEXURE-1

1. Nandal, M., Sood, H., & Gupta, P. K. (2023). A review study on sustainable utilisation of waste in bituminous layers of flexible pavement. *Case Studies in Construction Materials*, 19, e02525. (<https://doi.org/10.1016/j.cscm.2023.e02525>)
2. Kumar, A., Mathur, N., Rana, V. S., Sood, H., & Nandal, M. (2022). Sustainable effect of polycarboxylate ether-based admixture: A meticulous experiment to hardened concrete. *Materials Today: Proceedings*. (<https://doi.org/10.1016/j.matpr.2022.10.210>)
3. Nandal, M., Sood, H., Gupta, P. K., & Haq, M. Z. U. (2022). Morphological and physical characterization of construction and demolition waste. *Materials Today: Proceedings*,. (<https://doi.org/10.1016/j.matpr.2022.11.013>)
4. Nandal, M., Mor, N., & Sood, H. (2020). An overview of use of artificial neural network in sustainable transport system. *Computational Methods and Data Engineering: Proceedings of ICMDE 2020*, Volume 1, 83-91. (https://doi.org/10.1007/978-981-15-6876-3_7)
5. Nandal, M., Sood, H., & Gupta, P. K. (2023). Comparative study on physical characterization of reclaimed asphalt pavement and natural aggregate in flexible pavement. In *E3S Web of Conferences* (Vol. 405, p. 04041). EDP Sciences. (<https://doi.org/10.1051/e3sconf/202340504041>)
6. Nandal, M., Mor, N., & Sood, H. (2020). A Critical Review on Prioritization of Road Segments for User Safety and Identification of Black Spots. *Indian Highways*, 48(9). (<https://trid.trb.org/View/1744757>)
7. Nandal, M., Mor, N., & Sood, H. (2019). Accident Trend in India: Issues and Challenges. *population*, 1. (https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uTHHGzsAAA AJ&citation_for_view=uTHHGzsAAAAJ:IjCSPb-OGe4C)
8. Nandal, M., Mor, N., & Sood, H. (2019). An Overview of Crash Prediction Models and Their Suitability in Black Spot Identification. (https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uTHHGzsAAA AJ&citation_for_view=uTHHGzsAAAAJ:UeHWp8X0CEIC)

List of Book and Chapter Publications: Annexure-2

- 1) Nandal, M., & Sood, H. (2025). Performance characterization of asphalt concrete mixes incorporating VG-30 and CRMB using machine learning algorithms, *Sustainable Advances in Construction and Building Materials*, 199. (https://scholar.google.com/citations?view_op=view_citation&hl=en&user=uTH HGzsAAAAJ&citation_for_view=uTHHGzsAAAAJ:W7OEmFMy1HYC)

List of Awards & Honours: Annexure-3

- 1) AICPERT-ACADEMIC AWARD FOR BEST YOUNG SCIENTIST-2022

Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference/ List of Papers: Annexure-4**National**

- 1) Paper presentation in “National Conference on Sustainable Development Of Smart Cities Infrastructure (SDSCI-2023)” held at NIT Kurukshetra entitled “Maximizing Sustainability and Cost Efficiency in Smart Cities: A Life Cycle Cost Assessment of Recycled Aggregate Usage”

List of Social Contributions and Sports: Enclosed as Annexure-5

- 1) NSS certificate during 2014-2016.
- 2) Participated in North Zone Inter University Kabaddi Championship at C.C.S.U Merrut-2015.
- 3) Participated in North Zone Inter University Kabaddi Championship at Kurukshetra University-2016.
- 4) Attended a yoga camp organized at NITTTR Chandigarh-2019
- 5) Participated in various badminton and table tennis tournaments held at graduation and post-graduation level in college.