

Dr. NITIKA MUNDETIA

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**ADDRESS**

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EDUCATION

Ph.D., Environmental Science, Central University of Rajasthan (2021)

Research Topic: Assessment of Climate and Land Use change Impact on Water Resources – A Case of Khari River Basin, Rajasthan.

M.Sc., Environmental Science, Central University of Rajasthan with 8.6 CGPA (2013)

B.Sc., Maharani's College, University of Rajasthan with 72 % (2011)

Sr. Sec. Jawahar Navodaya Vidyalaya, Hurda, Bhilwara (CBSE) with 71 % (2008)

Secondary Jawahar Navodaya Vidyalaya, Hurda, Bhilwara (CBSE) with 85.4 % (2006)

ADDITIONAL COURSES

PG Diploma in disaster management from distance learning mode IGNOU (2017)

RSCIT course (2014)

GRANTS AND FELLOWSHIPS

University Grant Commission, India, Junior Research Fellowship, (2012).

ACADEMIC ACHIEVEMENTS

Agricultural Scientists Recruitment Board– NET for Environmental Science (ASRB NET 2014)

Gold Medal in M.Sc. Environmental science batch 2011-13 Central University of Rajasthan

Best Student Award on the Second Convocation Ceremony of Central University of Rajasthan for the session (2011-13)

Joint Examination of Council of Scientific & Industrial Research – University Grant Commission National Eligibility Test for Lectureship for Earth Sciences (CSIR-UGC, NET 2013)

University Grant Commission Junior Research Fellowship – NET for Environmental Science

(UGC, NET 2012)

PUBLICATIONS

Mundetia, N., Sharma, D., & Sharma, A., (2024). Groundwater sustainability assessment under climate change scenarios using integrated modelling approach and multi-criteria decision method. *Ecological Modelling*, 487, 110544.

Mundetia, N., Sharma, D., Sharma, A., Dubey, S. K., Mitra, B. K., Dasgupta, R., & Jeong, H. (2023). Assessment of hydrological response with an integrated approach of climate, land, and water for sustainable water resources in the Khari River basin, India. *Anthropocene*, 41, 100373.

Dubey, S. K., Sharma, D., Babel, M. S., & **Mundetia, N.** (2020). Application of hydrological model for assessment of water security using multi-model ensemble of CORDEX-South Asia experiments in a semi-arid river basin of India. *Ecological Engineering*, 143, 105641.

Mundetia, N., Sharma, D., Dubey, S. K., & Priya, M. (2018). Development and poverty assessment using an alternate non-compensatory composite index of Rajasthan State in India. *Social Indicators Research*, 140, 1-34.

Mundetia, N., Sharma, D., & Dubey, S. K. (2018). Morphometric assessment and sub-watershed prioritization of Khari River basin in semi-arid region of Rajasthan, India. *Arabian Journal of Geosciences*, 11, 1-18.

Dubey, S. K., Sharma, D., & **Mundetia, N.** (2015). Morphometric analysis of the Banas River Basin using geographical information system, Rajasthan, India. *Hydrology*, 3(5), 47-57.

Mundetia, N., & Sharma, D. (2015). Analysis of rainfall and drought in Rajasthan State, India. *Global NEST Journal*, 17(1), 12-21.

CONFERENCES/WORKSHOPS

One day Stakeholders Workshop on “Agrivoltaics-based Circulating and Ecological Sphere (CES) approach for integrated rural livelihood enhancement and net-zero city-regions” on 24th June 2024 at Central University of Rajasthan in collaboration with Institute for Global Environmental Strategies (IGES, Japan).

Ten Days NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from 01-05-2024 to 10-05-2024.

Member of organizing team in International Conference RTIAS-2024 organized by SOBAS, Sangam University on 22-24 January 2024

Two days, “Faculty Development Workshop” organized by IQAC cell Sangam University Bhilwara on October 20-21, 2022.

Paper presentation at International Conference on SWAT-SEA, Siem Reap, Cambodia, on October 24-25, 2019, Organized by Royal University of Agriculture Cambodia in collaboration of Kansas State University Manhattan and Texas A&M University USA.

GIAN course on “Applied Groundwater Flow and Transport Modeling with MODFLOW” 26th July to 3rd August, 2018 at IIT Roorkee, India

Poster presentation at Rajasthan Science Congress organized by Central University of Rajasthan India on 13th -15th Oct, 2018.

Off Campus Outreach Certificate Course on “Remote Sensing and GIS Applications in Water Resource Management” May 22 – June 09, 2017, Organized by Indian Institute of Remote Sensing Indian Space Research Organization Department of Space, Govt. of India Dehradun.

Attended two-week training workshop of GIAN on “Remediation & Management of Polluted Groundwater Sites” 16-29 May 2016” at IIT Roorkee, India

Paper presentation in National conference on “Geometrics for Natural Resources and Climate Change with special reference to Rain-fed Agriculture and water resources” organized by MDS University, Ajmer 8-9 October 2015.

Attended One-week training program on “Water Quality Monitoring & Assessment” during 23-27th March 2015 organized by Yamuna Basin Organization, Central Water Commission, New Delhi sponsored by Govt. of India

EXPERIENCE

Assistant professor, Department of Geoinformatics, Sangam University Bhilwara, Rajasthan since 28th Sept 2022.

Junior Research Fellow, in the project sponsored by MoWR entitled “Climate change impact studies for Rajasthan” from October 2021 to February 2022 under Project Investigator Dr. Devesh Sharma.

INTERNSHIP

Two Months Training on Environmental Monitoring at Hindustan Zinc Limited, (Vedanta) Rampura, Aguncha Mine, Bhilwara during May–June 2012

SKILLS

Remote Sensing and GIS Basics

Working knowledge of ArcGIS, QGIS, Arc SWAT, MODFLOW

Microsoft Excel, Microsoft word, SPSS statistics application

Laboratory Skills (water and Air quality monitoring)

Good Learner

ACTIVITIES

Member of the environmental awareness society “NAVSRIJAN”, in Central University of Rajasthan

REFERENCES

Dr. Devesh Sharma

HOD, Associate professor and
Dean (School of Earth Sciences)
Department of Atmospheric science
Central University of Rajasthan
deveshsharma@curaj.ac.in

Prof. Rajesh Kumar

Professor Department of Environmental
Science, Central University of Rajasthan
rajesh.kumar@curaj.ac.in

I do hereby declare that above particulars of information and facts stated are true, correct and complete to the best of my knowledge and belief.

Date: 5/5/2025

Place: Bhilwara

Nitika Mundetia