

Dr. Shruti Mishra



Contact Details

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Nerul, Navi Mumbai, Maharashtra

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Skills

Instrument Handling with Field Measurement

1. Water potential system (Wescor Inc USA)
2. Li-Cor 8100 soil CO₂ flux system
3. Leaf Area Index 2000 plant canopy analyzer
4. Microclimate measurement by LI-840 H₂O and CO₂ gas analyzer
5. Soil Sampling
6. Soil testing
7. Phytosociology
8. Forest Inventory
9. Litter collection and lab testing

Software

1. MS office
2. Sigma plot 11

Work Experiences

Oct 2017 to Oct 2020 Soil carbon sequestration in tropical deciduous forests of India and its functional relationship with community structural variables.

CSIR-NBRI (National Botanical Research Institute), Lucknow

Jun 2016 to Dec 2016 Water quality monitoring of Ganga River to Gomukh to Hoogly. **CSIR-NBRI, Lucknow**

Jul 2014 to Oct 2015 Strategic knowledge for climate change on Agriculture and Forest Ecosystem in IndoGangetic Plains (IGP) of UP. **CSIR-NBRI, Lucknow**

Educational Qualifications

M. Sc. (Environmental Sciences), 2012, V.B.S.P.U

Ph. D. (Environmental Sciences), 2020 (IIT) ISM

Award Received

DST Women Scientist fellowship (WOS-A) 2017

Dissertation

- Assessment of heavy metal contamination in sediment and aquatic plants of Subarnarekha River” in final semester of post graduation from Central Mining & Fuel Research Institute, Dhanbad.
- Effect of Gibberelic Acid and Naphthalene Acetic acid on vegetative growth, yield and yield component of Okra (*Abelmoschus esculentus* L. monch) cv. *Kashi pragati*” summer training from Indian Institute of Vegetable Research, Varanasi.

Certification

- Environmental Survey of Jaunpur city for Plastic Waste Generation during Feb.2011.
- Environment awareness fair at V.B.S. Purvanchal University Campus.
- Attended in Cancer awareness program at University Campus.
- Participated in Poster making competition on National Science Day (28th Feb.-1st March 2011)
- Poster presentation in XIX commonwealth forestry conference, FRI, Dehradun (India) from April 3-7, 2017.
- Oral presentation in 2nd International workshop on biodiversity and climate change, IIT Kharagpur (India) from (24th – 27th February 2018)

Workshop

- 2nd International workshop on biodiversity and climate change, IIT Kharagpur (India) from (24th – 27th February 2018) BDCC 2018.

- Attend in 2nd International workshop on biodiversity and climate change, IIT Kharagpur (India) from (24th – 27th February 2018)
- Poster presentation in fifth International conference on Plants and Environmental Pollution, CSIR-NBRI, Lucknow from (November 2014)
- Oral presentation in Sixth International conference on Plants and Environmental Pollution, CSIR-NBRI, Lucknow from (Feb. 27-30, 2018)
- International conference on Empowering & Enabling Women in science, PUSA Delhi, October 30-31, 2018.

Research Publications

1. Ecological Engineering 181 (2022): 106692.
<https://doi.org/10.1016/j.ecoleng.2022.106692>
2. Environmental Monitoring and Assessment 2019 191(Suppl 3): 796 <https://doi.org/10.1007/s10661-019-7689-4>
3. Environmental Monitoring and Assessment 2019 191(Suppl 3): 797 <https://doi.org/10.1007/s10661-019-7691-x>.
4. Biodiversity and Conservation 2019 Jul 1:1-24
DOI: 10.1007/s10531-019-01782-z
5. International Journal of Plant and Environment 5 (1):40-46.
6. International journal of environmental sciences Volume 5, No 3, 2014, ISSN 0976 – 4402
7. SHODH PRERAK, ISSN 2231-413X, Volume. No. IV, Issue I, January 2014.

References

- **Dr. L.B Chaudhary, (Sr. Principal Scientist/ Scientist-F)** CSIR- National Botanical Research Institute, Lucknow, Email- dr_lbchaudhary@rediffmail.com, Contact No. 09450400265.
- **Soumit K. Behera, (Senior Principal Scientist),** CSIR- National Botanical Research Institute, Lucknow, E-mail- soumitkbehera@gmail.com , Contact No.09455196596.
- **Dr. Manish Kumar Jain (Associate Professor), IIT- Indian School of Mines, Dhanbad,** E-mail- manishjkm@gmail.com, Contact No. 09431711095.
- **Dr. Vipin Kumar (Assistant Professor), IIT- Indian School of Mines, Dhanbad,** E-mail- vipinmicro1@gmail.com, Contact No. 094711191352.