DIKSHIKA MAHAPATRA

Research Scholar
School of Earth, Ocean and Climate Sciences
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OBJECTIVE: -

Study and design climate models to identify and minimize the catastrophic impact of shifting weather patterns on communities and ecosystems.

AREA OF INTEREST: -

Urban Climatology, Climate Modeling, GIS and Remote Sensing, Sustainable Development.

CONFERENCE: -

Mahapatra, D., & Swain, D. (2023). Monitoring Land Use Land Cover Changes and its impact on Surface Energy Balance: A case study of Bhubaneswar, India. National Conference on Land-Atmosphere Interactions Controlling Weather & Climate: Applications of Numerical Models and Observations. NIT Rourkela, 9th – 12th January 2023.

Mahapatra, D., & Swain, D. (2022). Changing Meteorological conditions in response to Land Use Land Cover changes over Bhubaneswar urban and surroundings. IGU Thematic Conference. International Geographical Union. 24th – 25th November 2022. (Received **Best Paper Presentation Award**)

Mahapatra, D., & Gogoi, N. (2019). Synthesis and Application of Activated Carbon from banana peel and weeds as ecofriendly and cost effective bio-adsorbent for removal of Toxic environmental pollutants. National seminar on "Current perspective in Environmental pollution: Challenges and Opportunities". 7th-8th June 2019. Department of Environmental Science, Tezpur University, Assam.

EXPERIENCE: -

• Joined as Institute Fellow in School of Earth, Ocean and Climate Science on 3rd January 2022 and completed 2nd semester course work with the subjects: Remote Sensing and GIS Applications, Science of Climate and Climate Change, Research Methodology and Data Analysis, Scientific and Technical Writing, Satellite Oceanography and Meteorology,

Mathematical and Statistical Methods in Earth System.

- 2021(1st September to 31st December)-Working as JRF (JUNIOR RESEARCH FELLOW) in the School of Earth, Ocean and Climate Sciences, IIT Bhubaneswar in a DST-SPLICE sponsored research project RP179 titled " Development of long term high-resolution Land Use Land Cover (LULC) data for Bhubaneswar peri-urban & rural areas and future projection ".

EDUCATION: -

Degree	Discipline (Courses)	BOARD / UNIVERSITY	Duration	CGPA/ Percentage
PhD (Ongoing)	Atmosphere and Ocean Sciences (Scientific and Technical Writing, Remote Sensing and GIS Applications, Science of Climate and Climate Change, Research Methodology and Data Analysis)	IIT Bhubaneswar, Odisha	2022-2027	8.71 CGPA
M.Sc.	Environmental Sciences (Climate change and its impact, Remote Sensing and GIS, Atmospheric Chemistry etc.)	Tezpur University, Assam	2017- 2019	7.2 CGPA
B.Sc.	Chemistry (Major), Physics, Mathematics	Utkal University, Odisha	2013-2016	73.5%
12th	Physics, Chemistry, Mathematics, Statistics	Council of Higher Secondary Education, Odisha	2011-2013	74.5%
10th	Mathematics, Science, Social Sciences, English, Odia	Board of Secondary Education, Odisha	2011	82%

- Cleared UGC NET 2020 in Environmental Sciences with 61.33% (Qualified for Assistant Professor).

SKILLS: -
- Teamwork, effective conversation, and skillful presentation.
- Knowledge regarding ArcGIS, ENVI, QGIS, LUMPS, SUEWS.
- Well versed with English, Hindi, Odia, Bengali, Assamese.

PROJECT/SEMINAR/WORKSHOP/TRAINING PROGRAM: -
- Participated in the orientation program on "Assam Biodiversity Portal Organization" by ATREE in collaboration with the Department of Environmental Science, Tezpur University on 28th March 2018.

- Took part in the Environmental Science workshop event held on 28th Feb at Tezpur University on the occasion of InSCIgnis 2018.
- Attended the Media Workshop on climate change reporting in the Himalayas held from 7th to 9th March 2019 at Guwahati, Assam.
- Done a project on "Synthesis and Application of Activated Carbon from Banana peels and weeds as cost effective and eco-friendly adsorbents for removal of toxic nanoparticles from Environmental Effluents." with active supervision of Dr. Nayanmoni Gogoi, Assistant Professor, Tezpur University, Assam.

I declare that the information given above is true.

Date: - 30th November 2022
Place: - Jatani, Odisha

Dikshika Mahapatra
Signature