

KUMARI ADITI

EMAIL ID: aditimaths@gmail.com

MOBILE NO.: 8789741373, 7294155123

ADDRESS: Soni Hardware, Near SBI, Rehla, Palamau, Jharkhand

Pin- 822124



EDUCATION:

- **Central University of Jharkhand (Ranchi)**
Integrated M. Tech in Geo-informatics
[Recently completed M. Tech in Geoinformatics – July 2020]
- **School - Aditya Birla Public School**
12th with PCM (CBSE) with 75.8%
2015
- **School - Aditya Birla Public School**
10th (CBSE) With 8 SGPA
2013

TECHNICAL SKILLS:

- Geographic Information System (GIS), Remote Sensing (RS), Spatial Analysis.
- Software Worked: ArcGIS, Erdas Imagine, QGIS, ENVI, SNAP, MS-Office.

PROJECTS:

- Drought Monitoring Using Remote Sensing And GIS Techniques Of Purulia District- West Bengal (**Central Institute Of Mining And Fuel Research**)
[Summer Intern - 45 Days]
- Solid Waste Management of Deoghar City Using Remote Sensing and GIS (**Geoverteces Technology Pvt. Ltd. Ranchi**)
[Winter Intern - 1 Month]
- Estimation of Surface runoff through SCS-CN (Soil Conservation Services-Curve Number) Method (**Institute of Forest Productivity**)
[Summer Intern - 1 Month]

- Fire Event and Aerosol Monitoring Through Remote Sensing Over Uttarakhand Region (**Banaras Hindu University**)

[Summer Intern – 1 Month]

- Spatio-Temporal Snow Cover Mapping in Upper Ganga Basin (**Central University of Jharkhand**)

[B. Tech Project]

Abstract:

In this study MODIS data products are used to map snow cover of the upper ganga basin. The snow cover has been mapped for the last ten years of each month. The data products used are MOD10CM for monthly snow cover product and MOD11C3 for monthly land surface temperature (LST). The MOD09Q1 is used for the surface reflectance. All the results are performed in the ArcGIS and QGIS version. The result shows that the accumulated snow cover took place in month of November, December, January, February, and the melting process took place in the month of June, to August. Spatial correlation between land surface temperature (LST) and snow cover area (SCA) is done and that show high negative correlation between the location of snow and temperature.

- Temporal Change Detection of Glaciers in North-West Himalaya (Himachal Pradesh, Uttarakhand) (**Indian Institute of Technology Mandi and Central University of Jharkhand**)

[M. Tech Dissertation – 1 Year]

PERSONAL DETAILS:

Gender	Female
Father's Name	Mr. Dilip Kumar
Father's Occupation	Service
Mother's Name	Mrs. Tilottama Gupta
Mother's Occupation	Teacher
Date of Birth	20 DEC 1997
Languages	English, Hindi
Nationality	Indian
Permanent Address	Soni Hardware, Near SBI, Rehla, Palamau, Jharkhand, Pin- 822124

PUBLISHED PAPERS:

“*Surajit Bera, Mobin Ahmad, **Kumari Aditi*** Using Remote Sensing and GIS Techniques for Drought Monitoring of Purulia District, West Bengal India, Vol-6, Issue-1, Feb 2018 International Journal of Creative Research Thoughts (IJCRT)”

FIELD INTEREST: Cryosphere, Urban Studies, Hydrology.

PERSONAL STRENGTHS: GIS and Remote Sensing.

OTHERS: PARTICIPATION:

- Quarks Ensemble (The Techno-Sci Club Of CUJ) [2015]
- The Indian Science Congress Association [2017]
- National Workshop Popularization of Remote Sensing Based Maps & Geospatial Information [2017]
- 5th Annual International Conference [2018]

REFERENCES:

PROF. A C PANDEY (Professor)	Department of Geoinformatics E-mail: arvindchandrap@yahoo.com
DR. MOBIN AHMAD (Sr. Scientist)	CSIR-Central Institute of Mining and Fuel Research Dhanbad, Jharkhand E-mail: ma_cmri@yahoo.co.in
DR. SHARAD TIWARI (Scientist- “F”)	Institute of Forest Productivity Ranchi, Jharkhand E-mail: sharadtiwari8@gmail.com
Dr. SUNITA VERMA (Associate Professor)	Institute of Environment & Sustainable Development - BHU E-mail: verma.sunita@gmail.com
DERICKS P SHUKLA (Assistant Professor)	School of Engineering- IIT Mandi E-mail: dericks@iitmandi.ac.in