

Kumar Gaurav

House # 12.
Behind Sacred Public School,
Kayad, Ajmer
Mobile: +91.6375726619
Kumargaurav4770@gmail.com



General Information

- Passionate about teaching and capacity-building, emphasizing Geospatial Technologies and their applications that can accrue societal benefits.
- Equipped with sound fundamentals in Remote Sensing and Geographical Information Systems (GIS), and adequate knowledge in image processing and GIS analysis.
- Utilization of modern pedagogy methods for effective nurturing of intrinsic motivation in the students
- Industrial experience gained through working in the Indian Space Research Organization in hyper-spectral imaging for various thematic studies.

Education

2020-present	Master of Sci. (Remote Sensing & Geoinformatics) – Maharshi Dayanand Saraswati University, Ajmer
2017-2020	BA. (Geography) – Samrat Prithviraj Chauhan Govt. College, Ajmer
2014-2015	Senior Secondary – Kendriya Vidyalaya No. 1, Ajmer
2013	Secondary – Kendriya Vidyalaya No. 1, Ajmer

Professional Skills

Geospatial Technologies	Software skills
<ul style="list-style-type: none">• Hyperspectral imagery or imagining spectroscopy• Overview of Web GIS Technology• Geospatial Technology for Archaeological Studies• Synthetic Aperture Radar• Land Use and Land Cover Mapping Technologies	<ul style="list-style-type: none">• ArcGIS, QGIS, ERDAS Imagine, ENVI, ESA SNAP,• MS Office, C, Python

Industrial & Research Experience

A. Tree-Species Identification using AVIRIS and PRISMA Hyperspectral Imaging

- The study was carried under Dr. Rakesh, Scientist G, RRSC (West), NRSC/ISRO Jodhpur.
- The objective includes to identify the Dominant Tree species in the study area of Jodhpur.
- GPS survey for collecting GCPs in the study area
- Aim is to identify species based on its distinct spectral signature by reading with the help of spectroradiometer and thus Consolidation of result is in progress.

B. Second Project

- The study was carried under Dr. Rakesh, Scientist, RRSC (West), NRSC/ISRO Jodhpur.
- The objectives include understanding the different dataset and how to download from different website.
- Understanding USGS Earthdata, ESA, BHUVAN (ISRO) and many more.

C. Industry participation

- Coordinated two day training program in 'Awareness of Remote Sensing' to the students of Neerja Modi School, Jodhpur in RRSC-West under the aegis of World Space Week 2022.
- Coordinated one day workshop titled 'Remote Sensing for Sustainability' in JIET Group of Institutions, Jodhpur on 07 October 2022.
- One day workshop titled "Remote sensing, GIS and GPS technology" from RRSC (West), NRSC/ISRO Jodhpur on 21 December 2021.

Cocuriicular Activities -

- **Basketball national player(Silver).**
- **National Cadet Corps (A- certificate)**

References	
Dr. RAKESH PALIWAL Scientist/Engineer-SG Head Application RRSC-W, NRSC, ISRO	Prof. Subroto Dutta Dept. of Environ. Sciences, MDSU, Ajmer (M) 9414006839 Email: drsubrotodutta@gmail.com

Family Background

Father:

Shri. Shyama Kant Pandey
Sub-Inspector (CRPF) (Retd.)

Mother:

Smt. Kalindi Pandey
Home maker