

SUBHAJIT MANNA

CONTACT NO- (M) (+91) 9163765979
9433183409

MAIL ID- smannagis@gmail.com,
bittu.manna93@gmail.com

SUMMARY

A geo-spatial (RS & GIS) analyst with 2 Years and 2 months of experience in *data collection, geo-referencing, digitization, Land use & land cover mapping, image processing, geo-database creation and remote sensing, project management, event management, Climate change analyzing, Weather forecasting, water resource management, Atmospheric correction, smart city planning & master planning*. I am currently targeting assignments in *Remote Sensing/ GIS/ Environmental / Research Organizations*. I have a go-getter attitude and strong coordination & analytical skills.

KEY SKILLS

Project Management	Geographic Information Systems	Analysing GIS Modules
Process Implementation	Mapping Tools	Resource Planning
Team Management	Remote Sensing	Liaison & Coordination

WORK & RESEARCH EXPERIENCE

- **JUNIOR RESEARCH FELLOW CUM CITY PLANNER** from March, 2019 to at present working in *Director of Town & Country Planning, Bhopal division under Madhya Pradesh Council of Science & Technology in Bhopal, Madhya Pradesh. (State Government)*.
- **IMAGE PROCESSING & GIS EXPERT** from March, 2018 to March, 2019 working in *Commissionerate of Watershed Development & Soil Conservation in Jaisalmer, Rajasthan. (State Government)*.
- **TRAINEE CUM RESEARCHER** from December 2016 to March 2017 department *EPSA/GHCAG/MHTD* in **Space Applications Center, ISRO**, Ahmedabad, Gujarat.
- **TRAINEE** from May 2016 to June 2016 *MPRA Division Madhya Pradesh Council of Science and Technology*, Bhopal, Madhya Pradesh.

KEY RESULT AREAS

- The purpose of this project was digital mapping of entire Bhopal Town, Ujjain Town, Mandsaur Town, Vidisha Town, master planning using Remote Sensing & GIS techniques. Preparing master plan map for smart city and using GIS tools & techniques for developed the model build to new proposal as per requirement wise on smart city. As per AMRUT project guidelines wise prepare all layers which are help to making a city planning resource. I will prepare Bhopal town master plan 2021, metro city planning & smart city planning. This plan was published on September 2019.
- Geo-referencing, digitizing the Cadastral Map and developed the Cluster management and Integrated Watershed Management Program, LULC at Jaisalmer, Banswara, Alwer district, Rajasthan, India utility of water in Desert Area with the help of proper planning and Geo-tagging of GIS Mapping. Etc. Complete fulfill the MJSA III, IV and V part of this project.
- Aerosol optical depth retrieval and validation over all India and sub continual area in Asia. Aerosol Optical Depth Retrieval over Indian Subcontinent and Indian Ocean. In Study Area

Identification the Aerosols Particles Sources. Amount of Effects by Aerosols in Atmosphere. Respectively Compression between Aeronet AOD Data and INSAT 3D Imager AOD Data. How much of Aerosol affected to environment that statistics will be defined and coefficient values result will declared. Build the model and build the programming for AOD retrieval and validation by using MATLAB.

- An Integrated Approach for Land Resource Management – A case study of Kathan watershed, Chhatarpur district, Madhya Pradesh, India. Based on the analysis there is a need to adopt new tools, techniques and technology for proper use and conversation practices for resource use. The LANDSAT- TM imagery is found more reliable for land use and land cover mapping and could be used effectively for in order to submit the land, ecological and environmental resources information for the development and management of the study. The unsupervised classification for the land use/ land cover mapping and accuracy assessment provided satisfactory result.

TECHNOLOGY & PLATFORMS HANDLED

- Image Processing Software:-ERDAS IMAGINE, ENVI+IDL
- GIS Software:- Arc GIS , QGIS (Open Source)
- Programming :- MATLAB 2012
- Intensive Field Survey with Total Station, GPS survey pocket and with stand (Trimble) GPRA, Dumpy level, Household's social survey

ACADEMIC CERTIFICATIONS

- **Master of Science (12+3+2)** from **Madurai Kamaraj University**, Madurai. Tamil Nadu. Subject – **Earth Remote Sensing & Geo Information Technology**. Year – **2017**.
Percentage – 64.5% & CGPA – 6.45 (First Class).
- **Bachelor of Science (12+3)** from **University of Calcutta**, Kolkata. West Bengal. Subject – **Geography**, *Percentage – 51%, Year – 2015*
- **Intermediate (12)** Board from **West Bengal Council of Higher Secondary Education**. West Bengal. *Percentage – 57% , Year – 2012*
- **High School (10)** Board from **West Bengal Board of Secondary Education**. West Bengal. *Percentage – 40.13%, Year – 2010.*

PROFESSIONAL CERTIFICATIONS

- **GEOSPATIAL TECHNOLOGIES FOR URBAN PLANNING**, 16th EDUSAT online program by IIRS, Dehradun, **2016**
- **BASIC REMOTE SENSING AND GIS**, 18th EDUSAT online program by IIRS, Dehradun. 18th EDUSAT program by IIRS, Dehradun, **2016**
- **MICROWAVE RADAR REMOTE SENSING AND ITS APPLICATIONS**, 20th EDUSAT online program by IIRS, Dehradun. **2017**

RESEARCH PUBLICATIONS & PRESENTATIONS

- **Subhajit Manna**, Abhishek Mishra, Amit Daiman and Dr. Sandeep Goyal, “**INTEGRATED APPROACH FOR LAND RESOURCE MANAGEMENT: A CASE STUDY OF KATHAN WATERSHED, CHHATARPUR DISTRICT, MADHYA PRADESH INDIA**”. Available online - http://www.gyanvihar.org/researchjournals/c3w_vol_2_issue_1_17/integrated%20_1-12.pdf

- **Subhajit Manna**, Dr. Manoj Kumar Mishra. “*AEROSOLS OPTICAL DEPTH RETRIEVAL & VALIDATION USING REMOTE SENSING DATA*”, - A Case Study Over Indian Sub-Continent & Indian Oceans. Available online - https://vedas.sac.gov.in/vedas/downloads/ertd/Completed_Projects_Under_TREES.pdf

REFERENCES

1. **DR. MANOJ KUMAR MISHRA** (SCIENTIST/ENGR -D) Division **EPSA/GHCAG/MHTD SPACE APPLICATIONS CENTER, ISRO AHMEDABAD**. Contact details - 079- 26914134. Email Id- manoj8187@sac.isro.gov.in.
2. **DR. SANDEEP GOYAL** (SR. PRINCIPLE SCIENTIST & HEAD), **MPRA Division, MADHYA PRADESH COUNCIL OF SCIENCE & TECHNOLOGY, BHOPAL**. Contact details - 0755-2433153 Email id - sgoyal@mpcost.nic.in
4. **SRI. HIREN P BHATT** (SCIENTIST/ENGR -D) Division **EPSA/VRG/ERTD SPACE APPLICATIONS CENTER, ISRO AHMEDABAD**. Contact details – 079 – 2691 6224/6227. Email id – hiren@sac.isro.gov.in
5. **DR. R.S.SUJA.ROSE** (HEAD I/C) **Department of EARTH REMOTE SENSING & CARTOGRAPHY, SCHOOL OF EARTH & ATMOSPHERE SCIENCE, MADURAI KAMARJ UNIVERISTY. MADURAI**. Contact details – 9488011660. Email id - rssrseas@mkuniversity.org
6. **DR. SATEESH KARWARIYA, NATIONAL INSTITUTE OF HYDROLOGY, BHOPAL**. Contact details – 91 9826463887. Email id - sateesh.karwariya@gmail.com
7. **DR. VIVEK KATARE** (SCIENTIST & HEAD) **LAND USE & URBAN SURVEY DIVISION, MADHYA PRADESH COUNCIL OF SCIENCE & TECHNOLOGY, BHOPAL**. Contact details - 0755 – 2670787 Email id - Vkatare@mpcost.nic.in

PERSONAL DETAILS

Date of Birth – 04 October, 1993

Sex – Male

Nationality – Indian

Address – 18/1 Madhusudan Pal Chowdhuri 1ST Bye Lane, Howrah, West Bengal. Pin - 711101

Email Id – smannagis@gmail.com , bittu.manna93@gmail.com

Ph. No – 09163765979, 9433183409