

# Beena Nathani

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Date of Birth: 8<sup>th</sup> July, 1990

## WORK EXPERIENCE

1) Maharaja Sayajirao University, Vadodara	Junior Research Fellow	May, 2016 – July, 2018
2) CSIR-NEERI MZL, Worli, Mumbai	Project Associate III	Jan, 2019 – Dec, 2019
3) Ecogg environmental services	Environmental consultant	Jan, 2021– Feb, 2021
4) Geospatial and Data science Consulting	Part-time Consultant	March, 2021–presently

1) MoEF & CC Project: “Biodiversity Assessment of Threatened trees in Central Gujarat Using Geospatial Technology.”

- **Specific Responsibilities:** Satellite Image Processing (SIP) of LISS IV for Assessing forest vegetation cover using GIS
- Ecological & Geospatial Database Management and analysis including field studies for identifying threatened trees species
- LULC ( land use land cover classification ) with Forest cover Mapping and Geospatial Analysis
- Scientific Report, Presentation & Proposal writing

2) CSIR BMC Project on Flood mapping of Vasai Virar ; and Estimating Carrying Capacity of JSW Dolvi region

- **Vasai Virar:** SIP of World view IV and Sentinel 2 data for assessing Decadal change in pre-post encroachment scenario
- Reconnaissance study to identify flood prone areas & loophole deficiencies in water drainage system
- **JSW Dolvi:** To assess Impact of the JSW industry on the water regime of the region by estimating carrying capacity.
- Apply dynamic system approach for Optimum utilisation of water and safeguards against the water pollution by the industry

## INTERNSHIP

Company	Designation	Date
GEC (Gujarat Ecological Commission, Gandhinagar- Gujarat)	Intern	Dec 2014-May 2015
GSFDC (Gujarat social forest division corporate, Por-Gujarat)	Intern	Dec 2012-May 2013
ONGC (Oil and Natural Gas company, Vadodara- Gujarat)	Intern	Dec 2011-May 2012

## EDUCATIONAL QUALIFICATIONS

MSc.- Environment Science	Maharaja Sayajirao University, Vadodara	64.3%	June 2015
BSc.- Environment Science	Maharaja Sayajirao University, Vadodara	59.4%	June 2013
Class XII	Bharatiya Vidya Bhavan, CBSE	54.2%	May 2010
Class X	Bharatiya Vidya Bhavan, CBSE	63.4%	May 2006

## SKILLS AND COMPETENCIES

- GIS, Remote Sensing and GPS: ArcGIS, Erdas Imagine 18, ILWIS, ENVI, SNAP, E- cognition
- Computer Skills MS Office Software, C++
- Languages known: Hindi, English, Sindhi, Gujarati, French

## ACHIEVEMENTS

- Life Member of Indian Society of Geomatics (ISGL-1930)
- Life Member of Indian Women Scientists' Association
- Oral papers presented at National Conferences:
  - Beena Nathani, Dipeeka Nijampurkar. (2018). Assessment of classification accuracies for SENTINEL-2 & LANDSAT-8 to identify priority conservation sites. National symposium on “Advancements in Geospatial technology for societal benefits” organized at Space Application Center, ISRO, and Ahmedabad on 5-7-2018.
  - Beena Nathani, Ramandeep Kaur Malhi and G. Sandhya Kiran. (2017). Evaluation of tree diversity of Rajpipla forest areas using geospatial approach. Conclave of Young Researchers of the Faculty of Science “Conclave 2017” celebrating National Science Day, on 28<sup>th</sup> Feb, 2017.
  - Beena Nathani, Ramandeep Kaur Malhi and G. Sandhya Kiran. (2016). Utility of Remote Sensing and GIS in Land Use land cover mapping of Narmada district for sustainable land and watershed management. XIII Triennial Conference of the Indian Women Scientists' Association on “Sustainable Development in India: Role of Science and Technology, Navi Mumbai” 2<sup>nd</sup> - 4<sup>th</sup> Dec, 2016.
  - Beena Nathani, Ramandeep Kaur Malhi and G. Sandhya Kiran. (2016). Juxtaposition of Classification Approaches for LULC Dynamics by utilizing LANDSAT 8: A Baseline for Biodiversity Analysis. National Seminar on “Remote Sensing: Enabling our Future”. Received 3<sup>rd</sup> prize for the Best Oral presentation.

## PERSONAL INTERESTS

Being an avid traveller, I have journeyed to the different parts of the country. Apart from that, my hobbies also include reading scientific journals and calligraphy.