

# Dr. Govind P. Joshi



## About Me



3.8 Years' experience



+91 9021124241 / +917588970889



March 31, 1986



govindjoshi1986@gmail.com



Flat No. 303, Saideep Apartment, Dangat Patil Nagar, Shivane, Pune  
Maharashtra, India 411003



## Education

### PhD. (Physical Sciences, Geology)

Title: Past variations in the Oxygen minimum zone of the Eastern Arabian Sea reconstructed from sedimentary geochemical proxies and implications to monsoon driven biogeochemistry

Awarded Year: 2021 (10/03/2021) Academy of scientific and innovative research (AcSIR), CSIR National Institute of Oceanography, Panaji, Goa, India 403004, Course work credit (7.13 CGPA)

### MSc Geology

School of earth sciences  
Swami Ramanand Teerth Marathavada University  
Nanded, Maharashtra

Percentage: 73.6% (CGPA: 7.95)

Year of Passing: 2011

### BSc (Geology, Zoology, Chemistry)

Deogiri College, Aurangabad  
Dr. Babasaheb Ambedkar Marathavada University  
Aurangabad, Maharashtra

Percentage: 63.30%

Year of Passing: 2009

### 10+2 (Physics, Chemistry, Biology, Geology)

Shri Sivaji College Parbhani  
Maharashtra state board of secondary and higher  
secondary education, Pune, Maharashtra

Year of Passing: Feb 2004

### 10 (Marathi, Hindi, English, Mathematics, Science, Social science)

Vaidik Dharma Prakashika High School, Hyderabad  
Board of Secondary Education Andhra Pradesh

Year of Passing: May 2002



## Publications

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- Joshi, G.P., Naik, S.S., and Banakar V.K: Last 10000 years Variation in the Intensity of OMZ-Core Reconstructed from Sediment of the Eastern Arabian Sea, Journal of Geological Society of India, Arabian Sea, Vol.97, March 2021, pp.243-248
- Joshi, G.P. 2021, PhD Thesis: AcSIR, Past variations in the Oxygen minimum zone of the Eastern Arabian Sea reconstructed from sedimentary geochemical proxies and implications to monsoon driven biogeochemistry.



## Conferences and Workshops

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- Joshi, G.P. and Naik, S.S: Holocene variations in nature of sediments within the oxygen minimum zone of the eastern Arabian Sea, The, 57th Annual Convention of Indian Geophysical Union, CSIR-NIO, Goa, India 403004, February 2021. India 403004, February 2021.
- Kadam, A.A. and Joshi, G.P: Geochemistry of Bricks in Nanded area, National seminar on Geochemistry & Geophysics of Earth Materials & Environment., Nanded, Maharashtra, India 431606, January 2011
- Joshi, G.P: Structural Control of the basins in Nanded area study with the help of Arc Map, National seminar on GIS Applications in Environmental Science & Geography. School of Earth Sciences S.R.T.M.University, Nanded, Maharashtra, India 431606, October 2010.
- Joshi, G.P. and Kapley R.D: Structural Control of the basins in the Parbhani area, National seminar on Groundwater Recharge, Quality & Auditing in Hard Rocks. Deogiri College, Aurangabad, Maharashtra, India 431001, February 2010.
- National Education summit 2014, towards educating Young India, organized by Knowledge constitution of Gujrat and various universities. Mahatma Mandir, Gandhinagar, Gujrat, January 2014.
- Indian Geophysical Union Golden Jubilee Workshop on Marine geosciences research in India: Current status and future directions, CSIR-National Institute of Oceanography., Goa, India, 403004, February 2013.



## Courses and Trainings

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- Certificate course in GIS: All India institute of local self-government (AIILSG), Pune, Maharashtra, India 411038
- Webinar on "Disaster Risk Reduction and Urban Risk Management" organized by National Institute of Disaster Management and Central University Jharkhand, Ministry of Home Affairs, Govt. of India
- Webinar on "Role of Higher Education on Interventions Strategies Adopted in Mitigation and Management of Disasters in Context Recent Technological Development" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India with Symbiosis Institute of Geoinformatics.
- Online Course on "Early Warning and Communication for Disaster Risk Reduction and Resilience" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Nagaland State Disaster Management Authority.
- Webinar on "Geospatial technologies for flood management" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Nagaland State Disaster Management Authority.
- Webinar on "Where Are We Now - The Sendai Framework for Disaster Risk Reduction After Five Years" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India
- Online training programme on "Disaster Risk Reduction and Urban Risk Management" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India

- Webinar on “New Insights for Drought Proofing and Futuristic Food Security” organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India
- Online Training on “Climate Change and Disaster Management Related Challenges in Polar Regions” organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India



## Research works and Dissertations

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- Guiding MSc Dissertations: Presently two MSc petro-tech students (Mr. Mohit T. Baghel and 2. Ameer M.S. Massri) are working on “Estimations of sedimentation rates and CaCO<sub>3</sub> concentrations of ridge sediments of Kutch region Gujarat” 2021-22.
- PhD Topic: Past variations in the Oxygen minimum zone of the Eastern Arabian Sea reconstructed from sedimentary geochemical proxies and implications to monsoon driven biogeochemistry  
Supervisors: Dr. Sushant S. Naik and Dr. V.K. Banakar  
Institute: Academy of scientific and innovative research (AcSIR), CSIR National Institute of Oceanography, Panaji, Goa, India 403004
- MSc Dissertation: Evolution of massif Anorthosites: Geophysical evidences from Kiglapait Complex.  
Supervisors: Prof. S.K.G Krishnamacharyulu and Dr. K. Vijaya Kumar  
Institute: School of Earth Sciences, S.R.T.M. University
- Wrote a proposal: “Assessment of impacts of the India’s River Linking Plan: Environmental, Geochemical, and Numerical Approach”  
Supervisor: Dr. Randhir Muhopadhyay  
Institute: AcSIR, CSIR-National Institute of Oceanography
- Social Project: Study of safety infrastructure and beach management plan for Kashid Beach Maharashtra  
Supervisor: Dr. Sushant S. Naik  
Institute: AcSIR, CSIR-National Institute of Oceanography
- Advance Self Study: Processes governing formation of ferromanganese oxides in the marine environment  
Supervisor: Dr. Virupaxa K. Banakar  
Institute: AcSIR, CSIR-National Institute of Oceanography



## Awards and Affiliations

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- Dr. Bhimrao Pimple Gold Medal in Geology, Swami Ramanand Teerth Marathwada University.
- DST-Inspire Fellowship (IF120826)
- Life time member of Indian Geophysical Union



## Technical & Instrumentation skills

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- Inductively coupled plasma Optical Emission Spectrophotometer (ICP-OES)
- Isotope ratio mass spectrometer (IRMS)
- Inductively coupled plasma Mass Spectrophotometer (ICP-MS)
- Coulometer
- Elemental Analyzer
- Atomic adsorption spectrophotometer (AAS)
- Electric resistivity meter (IRIS)
- Seismic refractometer (PASI)
- Total Station



## Computer Proficiency and Software Skills

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- ❖ MS-Office
- ❖ AutoCad, Autodesk Map
- ❖ Microstation
- ❖ ArcGIS
- ❖ QGIS
- ❖ Surfer
- ❖ Adobe Photoshop
- ❖ Coraldraw
- ❖ Adobe Illustrator
- ❖ Origin
- ❖ Sigma Plot
- ❖ Ocean data view (ODV)



## Work Experience

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### **Assistant Professor,** (September 2021 to till date)

Department of Geology and Petroleum technology.  
Nowrosjee Wadia College of Arts and Science

Presently working with department of Geology, Wadia College Pune, carry 6 months of classroom teaching experience. Strong multitasking ability, recognized for excellent communication and writing skills and ability to design the new courses.

#### **6 months experience**

- Class: M.Sc S.Y., B.Sc T.Y. and B.Sc S.Y.
- Subject: Paleo environment, Climate change and paleoclimate, Environmental Geology and Geogenic disasters, Geotechnology, Marine Geology, Structural Geology.
- University: Savitribai Phule Pune University
- Designed a mandatory credit course for T.Y. BSc. entitled 'Managerial Practices in Disaster management'.

### **Research Fellow,** (March 2019 to March 2021)

CSIR-National Institute of Oceanography, Dona Paula Goa.

Worked as self financed Research fellow at Academy of scientific and innovative research CSIR-NIO to complete the remaining PhD work. Have completed data analysis, data interpretations, manuscript writing and thesis writing during this period.

### **Project Associate,** (May 2018 to March 2019)

National Institute of Watersports,  
Indian institute of travel and Tourism Management,  
Caranzalem, Dona Paula Goa.

Worked as a Project Associate to complete the project of a national importance entitled " Safety infrastructure and beach management program for selected beaches in Andaman and Nicobar Islands". Strong ability to implement new ideas, got appreciation and reorganization for using GIS skills for completing draft report within stipulated timeframe.

#### **10 months experience**

- Client: Andaman and Nicobar government.
- Authorized agency: National Institute of Watersports, Goa.
- Role: Gathering secondary data, Preparing Beach maps
- Preparing proposed beach development plan and Maps
- Writing final project report

### **DST-Senior and Junior research fellow** (March 2013 to February 2018)

CSIR-National Institute of Oceanography

Received DST-Inspire fellowship for completion of research work (PhD) at CSIR-NIO, served as a senior research fellow, SRF (3 years) and as junior research fellow, JRF (2 years).

### **Geologist, QA and site in charge** (June 2011 to November 2012)

Sohams Foundation Engineering private limited,

CBD Belapur Navi Mumbai, Maharashtra

Experienced as a Geologist, Senior Geologist and QA, for carrying out field geotechnical investigations for various government projects. Got appreciations and promotion for ability to quick learn and handle sophisticated field instruments effectively. Played various roles includes, assist in ground survey using total station, conducting Electric Resistivity Tests (ERT), Seismic Refraction Tests (SRT), Standard Penetration Tests (SPT), Core logging, Bore logging, packer permeability tests (PPT), cross bore hole test (CBT) etc. In addition, got responsibility to prepare geotechnical field reports, provide quality check and quality assurance, manage work flow, site operations and handle client visits and their queries.

#### **17 months experience**

- Client: BARC Tarapur.
- Project: Carrying out field geotechnical investigation for IP-1 Project.
- Role: Geologist. Conduct various geotechnical tests, prepare daily progress reports, core logs, bore logs, ERT, SRT and CBT reports. Collect field data and report Project.
- Client: Nuclear Power Corporation India limited
- Project: Carrying out onshore field geotechnical investigation for Jaitapur nuclear power project, Maharashtra. JNPP.
- Role: QA-Geologist, Site In charge. Conduct various geotechnical tests, prepare daily progress reports, train geologists check core logs, bore logs, and prepare ERT, SRT and CBT reports. Handle site operations, requirements, manage workflow, handle client visits and their queries on field. Also, manage labors and their salaries.
- Client: Kokan Railway Corporation Limited. (KRCL)
- Project: Carrying out field geotechnical investigation for KRCL Pomendi Bridge, Ratnagiri. Maharashtra
- Role: QA-Geologist, Site In charge.
- Client: Nuclear Power Corporation India limited
- Authorized agency: L&T sub contract to Sohams Foundation Engineering Pvt. Ltd.
- Project: Carrying out onshore field geotechnical investigation for Kakrapar Atomic Power Project, Gujarat. KAPP.
- Role: QA-Geologist Conduct single packer tests and consolidated grouting.

## GIS Operator, (Sept 2008 to August 2009)

Raj Technologies,  
Satpur MIDC, Nashik, Maharashtra.

Carry 11 months experience as a GIS operator, wherein got opportunity to work on various GIS based projects, such as, CAD utility project, Juhu Marriot engineering networks project, Forest division maps.

**11 months experience**



### Languages

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- English
- Marathi
- Hindi



### Personal Details

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- Father's Name: Mr. Prabhakar Balirampant Joshi
- Mother's Name: Mrs. Lata Prabhakar Joshi
- Spouse Name: Mrs. Vidula Penurkar
- Marital Status: Married
- Birth Date: 31 March 1986
- Nationality: Indian
- Gender: Male
- Hobbies: Collecting rock, minerals, fossil samples, reading novels, and making Marathi poems.



### References

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- Prof. Virupaxa K. Banakar (Retired Chief Scientist)  
CSIR-National Institute of Oceanography, Dona Paula Goa.  
virupaxa56@gmail.com, +91 7447651206
- Dr. Sushant S. Naik (Principle Scientist)  
CSIR-National Institute of Oceanography, Dona Paula Goa  
sushant@nio.org +91 9423312269
- Prof. Sutheeshna Babu (Nodal officer)  
IITM - National Institute of Watersports, Dona Paula Goa.  
babspillai@gmail.com +91 935926384

## Declaration

I, Dr. Govind Prabhakar Joshi, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Dr. Govind P. Joshi  
Place: Pune, Maharashtra