

Resume

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Correspondence Address:

C/O Mrs. Shalini Nagekar

Behind Renuka Mata Temple, Renuka Nagar, Akola-444 001

Date of Birth : 17/09/1988

Designation: Assistant Professor & Head,

Department of Geology and Geo-informatics

Shri Shivaji College of Arts, Commerce and Science,
Akola.

Teaching Experience:

- Worked as an Assistant Professor (Fix pay) in Deogiri College for PG Geology.
- Worked as an Assistant Professor (CHB) in Government Institute of Science, Aurangabad for PG Geology.
- Worked as a Visiting Professor at Government Engineering College (Autonomous), Aurangabad for Civil Engineering.
- Worked as a Visiting Professor at Deogiri Institute for Engineering and Management Studies, Aurangabad for Civil Engineering.
- Worked as a Visiting Professor for PG Environmental Science at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Research Experience:

UGC Project Completed, entitled “**Geochemistry and genesis of the fluoride contaminated groundwater in parts of Warora, Dist-Chandrapur, Maharashtra.**” as a Project Fellow in PG Department of Geology, Govt. Institute of Science, Aurangabad with Prof. Dr. S.M. Deshpande (PI of Project and Joint Director, Higher Education, Govt. of Maharashtra).

Academic profile:

M.Sc. SET (Geology)

SET (State Eligibility Test for Assistant Professor) Accredited by U.G.C. & Conducted by Savitribai Phule Pune University as state Agency held on 28th January 2018 in the subject **Earth , Atmospheric , Ocean & Planetary Science.**

Pursuing Ph.D. (Thesis submitted) at Swami Ramanand Tirth Marathwada University, Nanded under the guidance of **Prof. D.B. Panaskar**, Head, Dept. of Environmental Science, School of Earth Sciences, and Ex. BCUD, Swami Ramanand Teerth Marathwada University, Nanded.

(Title of Research: “Hydrogeochemistry and genesis of the fluoride contaminated groundwater in Rajura, Korpana parts of Chandrapur, District Chandrapur, Maharashtra”)

Master of Science (Geology), Government Institute of Science, Aurangabad, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in the year 2011 with **First Class**.

Bachelor of Science, Deogiri College, Aurangabad, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in the year 2009 with major subjects- Geology, Physics, and Computer Science with **First Class**.

Higher Secondary School Certification, Shri Shivaji Junior College Lonar, Maharashtra State Board in the year 2006 with **Second Class**.

Secondary School Certification Examination, Maharana Pratap High School, Lonar Maharashtra State Board in the year 2004 with **First Class**.

Certificate Diploma in Hydrogeology, Deogiri College, Aurangabad, Affiliated to Dr. B. A. M. University, Aurangabad under UGC career Oriented Programme in 2006-2007.

Certificate Diploma in Gemology, Deogiri College, Aurangabad, Affiliated to Dr. B. A. M. University, Aurangabad under UGC career Oriented Programme in 2010-2011.

Computer Skills

- Completed Graduation with Computer Science is one of the optional subject
- Maharashtra State Certificate Course in Information Technology. (MSCIT)
- Certificate Course in C++ programming from SSI Education Aurangabad.

Software skills for academic and Research purpose:

Global Mapper, Arc GIS, Q- GIS, Map-Info, AquaChem, Geochemist Workbench, Rockware, Google Earth –Pro tools, X'pert Highscore plus for XRD analysis, IPI2 Win and iX1D Geophysical Resistivity Software, etc.

Award:

“International Young Researcher Best Oral Presentation Award” in 4th International Science Congress (ISC-2014), Udaipur Rajasthan. Organized by, International Science Congress Association.

Curriculum Project/Training Report:

- ✚ Participated in **“Train The Trainer Programme”** organized by Faculty Development Cell, Sant Gadge Baba Amravati University, Amravati & Human Resource Development Centre (HRDC) from 30th Dec 2019 to 04th Jan 2020 and Selected as a **Certified Trainer In Soft skills**.
- ✚ Training completed in MRSAC (Maharashtra Remote Sensing Application Center) Nagpur on project entitled with **“Remote Sensing and GIS based drainage and geomorphological study of Aurangabad area.”**
- ✚ Geological field work in Dharwar, Karwar and Udupi area of Karnataka State.

- ✚ Geological field work in southern side of Kankavali, Sidhudurg district , western Maharashtra and Goa state.
- ✚ Geological field work in Beawer area Ajmer district, Rajasthan, India.
- ✚ Geological field work in and around of Kamthi and Koradi area of Nagpur.
- ✚ Geological field work in Masoorie Syncline, Nainital Syncline and Deharadun Valley, Uttarakhand, India.
- ✚ Geological field work in Jabalpur area, Madhya Pradesh, India.

National Research Institutes visited

- ✚ Wadia Institute of Himalayan Geology (WIHG), Deharadun
- ✚ Regional Remote Sensing Centre (RRSC)- Central Indian Space Research Organization, Nagpur
- ✚ National Institute of Oceanography (NIO), Goa.

Research Paper :

Research Paper Publication:

1. Lithological controls on the groundwater fluoride enrichment in central India. *Arabian Journal of Geosciences* (2021) 14:2173.
2. Application of Water Quality Index and Multivariate Statistical Analysis in the Hydrogeochemical Assessment of Shallow Groundwater in Part of Purna Basin, Maharashtra, India. *Bulletin of Pure and Applied Sciences*, Vol. 39-F, No. 2 (2020), pp 239-255.
3. Groundwater Quality Index of Dheku River Basin of Maharashtra, India: A Mathematical Approach. *Bulletin of Pure and Applied Sciences*, Vol. 39-F, No. 2 (2020), pp 256-263.
4. Hydrogeochemical Investigation and Qualitative Assessment in Jogeshwari Industrial Area of Aurangabad, Maharashtra, India. *Bulletin of Pure and Applied Sciences*, Vol. 38 F-(Geology), No.1 (2019), pp.89-103.
5. Electrical Resistivity Method for Groundwater Exploration: A Case Study of Ganori Village Area, Aurangabad District, Maharashtra, India. *Bulletin of Pure and Applied Sciences*, Vol. 37 F (Geology), No.2 (2018), pp.125-137.
6. Fluoride contaminated groundwater from Warora area of Chandrapur District, Central India: groundwater geochemistry and comments on the source of fluoride. *Journal of Applied Geochemistry*. Vol. 20, No. 1 (2018). pp. 123-132.

7. Fluoride Geochemistry of Groundwater From Rajura, Korpana Tahasil of Chandrapur District, Maharashtra, India. *Jour. of Bionano Frontier*. Vol.10(2), April-2017, pp1-6.
8. Hydrochemistry of Fluoride Contaminated Groundwater from Rajura and Korpana Tahasil of Chandrapur District, Maharashtra., *Journal of Geosciences Research*, Vol.1. No. 1, June-2015, pp. 67-72.
9. Preliminary hydrochemistry of the some groundwater sources of Chitegaon Industrial area, Aurangabad, INDIA., *International Research Journal of Sustainable Science and Engineering*, Vol. 3, Issue 2,/ Feb-2015, pp1-7.
10. Groundwater Quality Studies of Kamlapur Village Industrial areas of Aurangabad, India, *International Journal of Recent Trends in Science And Technology*, Vol. 13, Issue 1 (2014), pp 46-49.
11. Hydrochemical Characteristics and Groundwater Quality Assessment in Shendra Area, Aurangabad District, Maharashtra, India, *International Journal of Recent Trends in Science And Technology*, Vol No.11, Issue 1 (2014), Pp105-108.
12. Fluoride contamination in Warora Taluka of Chandrapur District, Maharashtra. *Jour. of Bionano Frontier*, Vol 6(2) July. Pp 318-320.
13. Assessment of Groundwater Quality and its suitability for drinking uses in Warora Tahasil, District Chandrapur, India. *International Journal of Recent Trends in Science And Technology*, Vol 4, Pp120-124.

Seminar / Workshop / Conference Attended:

1. International e-Conference on **“Innovative Research Trends in Life Sciences (ICIRTLS-2020)”** Organized by, Shri Shivaji College of Arts , Commerce and Science, Akola.
2. National conference on **“Recent advances in Physical and Mathematical Sciences (2020)”** Organized by, Shri Shivaji College of Arts , Commerce and Science, Akola.
3. National Conference on **“Advances in Environmental Science and Geospatial Technology (AESGT-2018)”**. Organized by, School of Environmental and Earth Sciences, North Maharashtra University, Jalgaon.

4. National Conference on “ **Multidisciplinary Research in Geoenvironmental studies for Sustainable Development (MRGESD-2017)**”. Organized by, School of Earth Sciences, Solapur University, Solapur.
5. International Workshop on “**Applications of Remote Sensing and Geographical Information System**” (ARSGIS - 2016). Organized by, School of Earth Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
6. National Seminar on “**Environmental, Geological and Geophysical Aspects: South East Deccan Traps (ENGAGE-2015)**”, On March, 2015. Organized by, School of Earth Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
7. National Conference on “XXV Indian Colloquium on “ **Micropalaeontology & Stratigraphy** ”. On Jan , 2015, Organized by Department of Geology, Govt. Institute of Science, Aurangabad.
8. One week short term Training Programme on “**GIS, GPS & VES**” (GGV-2015) held from Nov 2015 Organized by Dept of Civil Engineering, DIEMS, Aurangabad and Dept of Geology, Deogiri college Aurangabad.
9. National Conference on “**Climate Change: Past, Present and Future**”, Jan-2015, Organized by Department of Geology, Poona College, Pune.
10. National Conference on “ **Groundwater Management and Assessment in Deccan Basaltic Terrain**”. On Jan , 2015, Organized by Department of Geology, Deogiri College, Aurangabad.
11. National Seminar on “ **Recent Trends in Geochemical Environmental Aspects of the Mineralization in Kadapa Basin**”, on Oct-2014 organized by Loyola Degree College, (YSSR), Pulivendulu, YSR District, Andhra Pradesh.
12. International Conference on “**Environmental Earth Science, Accomplishments, Plans and Challenges**” March-2014, Jointly Organized by Department of Geology and Applied Geology, Madras University of Madras, India and Instituto politecnico Nacional (IPN), Mexico.
13. International Workshop on “**Environmental Awareness Need of Hour**”, Sep 2013, Gores Institute of Research and Academic Foundation (GIRAF), Sholapur, Maharashtra.

14. National Workshop on “**An Integrated Geoscientific Approach D2D-2013**”, Aug- 2013, Swami Ramanand Teerth Marathwada University, Nanded.
15. National Workshop on “**Challenges and Opportunities in Environmental Pollution and Health**”, March-2013, North Maharashtra University, Jalgaon.
16. National Conference on “**Watershed Management for Sustainable Developments**”, Feb-2013, Shri Shivaji Science college, Amravati.
17. National Workshop on “**Watershed Management : Future career Opportunities**”, Feb-2013, Shri Shivaji Science college, Amravati.
18. International Conference on “**Fifth International Groundwater Conference (IGWC-2012)**”, Dec- 2012, Maulana Azad College, Aurangabad.
19. International Workshop on “**Risk-Based Subsurface Environmental and Sustainable Remediation**”, Feb-2012, Organized by, Swami Ramanand Teerth Marathwada University, Nanded.
20. International Lecture Series on “**Risk-Analysis and Sustainable Remediation of Environmental Resources**”, Feb-2012, Organized by, Govt. Institute of Science, Aurangabad.
21. National Conference on “**Environmental Surveillance For Natural Resource Management**”, Jan- 2012, Organized by, School of Environmental and Earth Sciences, North Maharashtra University, Jalgaon.
22. National Seminar on “**Environmental Pollution and Remedies**”, Sep-2011, Organized by, Deogiri College, Aurangabad.
23. National Conference on “**Recent Developments in Geology, Mineral and Groundwater Resources of India**”, Feb-2011, jointly organized by Department of Geology, Govt. Institute of Science, Aurangabad and Gondwana Geological Society, Nagpur.
24. National Seminar on “**Groundwater Recharge, Quality and Auditing in Hard Rock**”, Nov-2009, Organized by, Deogiri College, Aurangabad
25. State level seminar on “**Recharge, Retention & Transmission of water below the groundwater through water conservation structures**”, Oct 2006, Organized by, Deogiri College, Aurangabad.

Contribution to Society:

- Worked as Reviewer for the Government of Maharashtra's Jalswaraj Level 2 Project entitled "Impact Assessment Report of District: Aurangabad (Community Based Aquifer Level Groundwater Management Initiatives)."
- Worked with NAAM foundation and Chtrapati Shahu NGO, Aurangabad for "Shushka Pradesh Vikas Programme" for sustainable development of backward and draught prone villages from Maharashtra state through CSR fund. Under the supervision of Prof. Dr. A.V. Tejankar (Ex. Pro Vice Chancellor, Dr. B.A.M. University, Aurangabad).
- Work carried out regarding Groundwater Management, Artificial Recharge & Environmental Issues in different parts of the states. For selection of site for Dugwell and Borewell are carried out in last five years for irrigation, drinking purposes & to provide potable water in rural area.
- Geohydrological survey carried out for selection of recharge sites for watershed Development programme for different NGOs in drought prone areas of Maharashtra.
- Providing services in Water Logging Problems, Civil engineering structures, GIS work related Preparation of DEM, Contour, Drainage, Geomorphological, Landuse, Landcover, Lineament & Geology maps, etc.
- Worked as Consulting Geologist for government schemes in MREGS schemes especially in water management programme. Organized Programmes on Water literacy in rural & urban areas.
- Delivered training of Geophysical Resistivity Survery in training programme for civil engineers of Department of Irrigation organized by WALMI (Water and Land Management Institute) Aurangabad.
- Worked in Different parts of Maharashtra about Geology, Geohydrology, Groundwater Quality, Artificial Recharge and Assessment of Recharge Structure.
- Worked as an expert for MNC companies for Completion of EIA (Environmental impact Assessment) Report.