

Dr. V. Vasanthamohan

Associate Professor, Department of Geology

National College (Autonomous), Tiruchirappalli 620 001 TN INDIA

handphone +91 9443408064 email vasanthgeo@nct.ac.in



ASPIRATION

I seek to establish for myself a long-term career as a Faculty in the Superior Academic and Research Ambit with Geological Prospect that would offer me career fulfillment, an assured career growth path, opportunities to learn and share in the frontier areas of Earth Sciences, and enable me to apply my skills and knowledge appropriately by leveraging my strong theoretical and practical PhD calibre background to edify the societal needs in Geology to the students, enlighten them the future perspectives of Earth Sciences and guide them to plan for their better career and/or entrepreneurship.

EXPERIENCE

Over SIXTEEN years of Academic Research & ONE YEAR of Industrial Experience

Present Position

- Presently working as **Associate Professor**, Department of Geology at National College, Tiruchirappalli, Tamilnadu, INDIA since 2019.

The areas of expertise mainly include Environmental Geology and Sediment Geochemistry. Interested areas are Hydrogeology and Groundwater Management, Agrogeology, Geotechnical Engineering (Engineering Geology) and other Applied Geology domains.

- Joined as **Assistant Professor**, Department of Geology at National College, Tiruchirappalli, Tamilnadu, INDIA in February 2007.

The areas of expertise mainly include Environmental Geology and Sediment Geochemistry. Interested areas are Hydrogeology and Groundwater Management, and other Applied Geology domains.

One year of Industrial or Corporate experience

- Served as **Asst. Systems Engineer** (Domain Expert in Geology) at Tata Consultancy Services, DELHI (Gurgaon) from 2006 to 2007.
The areas of expertise mainly include Geology and Geological Softwares.

Job Responsibilities

- Representing **Halliburton INC, USA** as **Global Customer Support Analyst**, Landmark Worldwide, Asia-Pacific Region. Teaching Procedures and Processes of Petroleum Geology Softwares.

Skill Set

- Domain Resourcing and Client Interface
- Technical Support
- In-house Problem Simulation and Solution Provider
- Customization of Geological Softwares

Five years of working experience in Research & Field Work

- ▣ Worked as a **Senior Research Fellow-CSIR(NET)** at Department of Applied Geology, School of Earth & Atmospheric Sciences, University of Madras, Guindy Campus, Chennai 600 025 TN INDIA, for **three years** from 2003 to 2006 in both Environmental Geology and Geological Oceanography. The areas of expertise mainly include Sediment Geochemistry.
- ▣ Worked as a **Junior Research Fellow** for **two years** from 2001 to 2003 in the field of Environmental Geology. Worked in Research Vessels, Geochemical Laboratories, etc.

Job Responsibilities

- ▣ Collection of surface and core sediments, water samples etc.
- ▣ Analyzing sediment characteristics, major, trace & rare earth elements
- ▣ Compiling data sets; Preparing project reports
- ▣ Execution of Consultancy projects
- ▣ Teaching Theory and Practical Classes in Environmental Geology and Geochemistry
- ▣ Co-guiding M.Sc and M.Phil Projects in Marine Geochemistry

SOFTWARE SKILLS

- ▣ *Computer Systems (Hardware):* Dell, IBM, HCL, hp - PCs
- ▣ *Platforms:* Windows XP, 98 etc.
- ▣ *Applications:* MS Office, SPSS 11.5, Tridraw, Adobe Photoshop 7.0, Paint, Surfer 8.0, Geomedia Professional V 4.0, Geographix Discovery R2006.1 - GESplorer; SeisVision; PRIZM; SystemAdmin

PROFICIENT COURSES/WORKSHOPS ETC.

1. Undergone Training in **Petroleum Geology Softwares**
 - “GeoGraphix-Discovery R2006.1” at TCS Pvt. Limited, Gurgaon, by Halliburton Inc., Denver, USA
 - The modules covered in the training are “GESplorer, SeisVision, PRIZM and SysAdmn.”
 - “PeopleSoft (Landmark’s site connecting Client-Customer-Technical Support)” at TCS Pvt. Limited, Gurgaon, by Halliburton Inc., Denver, USA
 - “Apropos (a tool connecting Client-Customer-Technical Support)” at TCS Pvt. Limited, Gurgaon, by Halliburton Inc., Denver, USA
2. Undergone Training in **GIS Packages**
 - “Geomedia Professional V 4.0” at Rolta India Limited, Chennai
 - “Geomedia Professional V 5.1, Geomedia Grid V 5.1, Rock Works 2004” at Department of Applied Geology, University of Madras, Chennai 600025, by Rolta India Limited, Chennai.
3. Completed **Diploma in Computer Applications (DCA)** at Indian Institute of Computer Science, Chennai
4. Attended **Workshop** on “Remote Sensing and GIS for Disaster Management” on 09.03.2005 organized by Anna University, Chennai 25

5. Undergone Training on “Remote Sensing and GIS” dated 11.03.2005, organized by Institute for Remote Sensing, Anna University, Chennai 25
6. Participated in the Awareness Course on “Natural Hazards & Environment” - Applications of Remote Sensing and GIS tools & conventional Methods
7. Participated in the Workshop on “Sequence Stratigraphy & Petroleum Geology” sponsored by ONGC, held at Anna University, Chennai.
8. Participated in the demonstration of “Image Analysis Software - ENVI 4.1 and Programming Language - IDL 6.1” at Department of Applied Geology, University of Madras, Chennai 600 025 conducted by Sierra Atlantic Software Services Ltd, Bangalore

EDUCATIONAL CAREER

	Institution (School / College / University) and Place	Duration		Year Passed	Certificate/ Degree/ Diploma	Major Subjects* and Area of Specialisation	Remarks (awards, scholarship, etc.)
		From Month/Yr	To Month/Yr				
Doctoral Degree	Department of Applied Geology, University of Madras Tamilnadu	April 2001	Given Synopsis	Thesis will be submitted at the earliest.	PhD Degree	ENVIRONMENTAL GEOLOGY with specialization in <u>Marine Geochemistry</u>	National Award: Qualified, Joint UGC (CSIR)-JRF(NET)
Philosophical Degree	Department of Applied Geology, University of Madras Tamilnadu	July 1998	April 1999	1999	M.Phil Degree	APPLIED GEOLOGY <u>Environmental Geochemistry, Petroleum Geology</u>	University FIRST RANK
Post Graduate Degree	Department of Applied Geology, University of Madras Tamilnadu	July 1996	May 1998	1998	M.Sc Degree	APPLIED GEOLOGY <u>Environmental Geology</u> (given interested subject only)	-----
Bachelor Degree	National College, Trichy Bharathidasan University, Tamilnadu	June 1993	April 1996	1996	B.Sc Degree	<u>GEOLOGY, PHYSICS, MATHS</u>	-----
Higher Secondary (+2)	K.V.S. Hr. Sec. School Virudhunagar Tamilnadu	June 1992	March 1993	1993	HS Certificate	PHYSICS, <u>CHEMISTRY, MATHS, BIOLOGY</u>	-----
SSLC	K.V.S. Hr. Sec. School Virudhunagar Tamilnadu	June 1990	April 1991	1991	SSL Certificate	<u>SCIENCE, MATHS, SOCIAL SCIENCE</u>	FIRST Class with DISTINCTION
Diplomas	Indian Institute of Computer Science, Chennai, Tamilnadu	December 1999	November 2000	2000	Diploma in Computer Applications (DCA)	<u>Computer Applications</u>	E-Grade EXCELLENT
	Annamalai University, Chidambaram, Tamilnadu	June 2000	April 2001	2001	PG Diploma in Mineral Exploration & Mining Geology	Mining Geology, <u>Hydrocarbon Exploration & Mineral Exploration</u>	-----

NO BREAKS IN STUDY (*Underlined subjects are which interest me most)

RESEARCH PROJECTS

M.Sc DISSERTATION

**Title: Benthic Ostracods from the Back Waters of Alikuppam, Bay of Bengal
Kanchipuram District, Southeast Coast of Tamil Nadu**

1. Collected surface sediment samples in the back waters of Alikuppam, Bay of Bengal.
2. Sediment characteristics such as sediment substrate, calcium carbonate and organic matter are determined.
3. Ostracode species were separated from sediments, SEM photos were taken.
4. Identification of ostracods was done & Plates were made.
5. Distribution of ostracodal species were studied and documented.

M.Phil THESIS

**Title: Recent Benthic Foraminifera in the Pichavaram Mangrove Swamps, Southeast
Coast of Tamil Nadu**

1. Collected thirty-two surface sediment samples in the Pichavaram Mangrove Swamps, Southeast Coast of Tamil Nadu. Among the thirty-two samples, one sample was taken the coastal area and few samples were taken in the mudflats.
2. Sediment characteristics such as sediment substrate, calcium carbonate and organic matter are determined.
3. Foraminiferal species were separated from sediments, SEM photos were taken.
4. Distribution of foraminiferal species were studied and documented.
5. The distribution of foraminiferal species in the mangrove swamps is correlated with those taken in the coastal area and mudflats.

PhD THESIS

**Title: Paleoenvironmental Studies on Quaternary Core Sediments from the Marine
Slants, Off Gulf of Mannar, Indian Ocean: A Geochemical Approach**

1. Collected three gravity cores from Gulf of Mannar, Indian Ocean to investigate sedimentary characteristics and sediment geochemistry for marine sediments.
2. Sediment characteristics data generated includes nature of substrate, calcium carbonate, organic matter and loss on ignition (LOI).
3. The elemental analysis such as major, trace and REE were also carried out for the sub-samples of the cores collected.
4. Factor analysis was done for the all the data and correlation between all the components are studied. Through sediment characteristics and elemental analysis, the nature of substrate, origin, deposition and diagenetic process of sediments are interpreted.
6. The effects of sediment provenance and sediment redistribution were also inferred through inter-relationship study on major, trace and rare-earth elements.

AWARD

- ⊕ **National Level** - Qualified, Joint UGC-CSIR Junior Research Fellowship & Eligibility for Lectureship-National Eligibility Test held on 31.12.2000

TEACHING EXPERIENCE

- (i) at Post-Graduate Level -
 - Have more than **16 years of teaching experience** and conducted several Practical and Theory Classes for UG and PG students.
- (ii) Research Experience -
 - **16 years of research experience** and worked in various Geochemical Laboratories and undergone several Field Visits, Field Works, Cruise Programs etc.
 - **Guided** several M.Sc and one M.Phil Dissertations, guiding two PhD Scholars, Co-guiding one PhD scholar and worked for some Research Programs, Projects and Publications
 - **Experience** in Marine Geology, Marine Geochemistry and Environmental Geology.
 - **Worked** in Research Vessels, Geochemical Laboratories etc.
- (iii) Other Experience
 - Guided, **Miss.G.S.Vadivoo**, Final year B.Sc. Student, Department of Physics, A.P.C Mahalakshmi College for Women, Thoothukudi, for her B.Sc. project entitled, “**Tsunami - the Killer Wave: its Causes, Impacts and Mitigation with special allusion to the recent 2004 Sumatra Earthquake**”.

CAREER HIGHLIGHTS (have more than 6 Years of experience in Academic & Research)

- ▣ Having hands on experience in Geological Research & Education.
- ▣ Familiar in Sediment Geochemistry. Interested to work in the fields of Geochemistry, Sedimentology, Petroleum Geology, Marine Geology etc.
- ▣ Involved in various consultancy projects; worked in Research Vessels, Geochemical Laboratories etc.; carried-out several field works, sample collection, laboratory analyses; compilation and interpretation of data; preparation of project reports. Actively involved in customization of tasks/projects.

SPECIALIZED SUBJECTS OF CAREER IMPORTANCE

- 📖 **Environmental Geology**
- 📖 **Sediment Geochemistry**

FIELDS OF INTEREST

- 📖 **Hydrogeology and Groundwater Management**
- 📖 **Natural Hazard Studies**
- 📖 **Nanogeoscience**

RECENT FIELDS OF INTEREST

- 📖 **Agrogeology (Agricultural Geology)**
- 📖 **Geotechnical Engineering (Engineering Geology)**

FIELD EXPERTISE

- ☑ Carried out several field works, cruise programs and laboratory analyses in the fields of *Marine Geology, Geochemistry* and *Geological Oceanography*.
- ☑ Visited on-shore & off-shore exploration sites many times and participated in the sample collections, data collection and data analyses

CRUISE

- 🌐 Participated in the Cruise Program organized by NIOT, Chennai, and crossed International Waters of Gulf of Mannar between INDIA & SRILANKA 11 Days (from 19.03.2002 to 29.03.2002). Trained on several Sampling Techniques and Laboratory Analyses.

INDUSTRIAL TRAINING

- ☑ **Summer Training in Oil & Natural Gas Corporation, Chennai**

Undergone industrial training in ONGC, on geological modeling and mapping. The following were the work carried out during training:

- Analyzing continuous well profile with depth and characterizing rock properties adjacent to a borehole.
- Interpretation of shale-sand formations and computing shale volume.
- Formation evaluation work was done to evaluate parameters such as porosity, permeability, water saturation, hydrocarbons and lithology.
- Boreholes correlation through stratigraphic interpretation.
- Subsurface mapping from borehole data to identify structural, stratigraphic and tectonic features such as structural dips, bedding patterns, faults, folds and fractures.

CONSULTANCY POTENTIAL

- ☑ Environmental Geology and Geochemistry for monitoring soil, sediment and water environments; Hydrogeology and Groundwater Management; Geotechnical Engineering (Engineering Geology)

PROPOSED RESEARCH ACTIVITIES

Major Field of Research: *Agricultural Geology*

Specialized Interests: Teaching, Interdisciplinary research and training activities in *Marine Geology, Environmental Geology, Geochemistry* and *Volcanology*

Primary Goal: Multidisciplinary research in Environmental Geology especially involving Natural Hazard Studies and Studies focusing Societal needs.

BRIEF RESUME OF MY RESEARCH INTEREST

My research focuses primarily on Environmental Geology takes advantage of the new technologies based on Marine Geology and Geochemistry. This research helps in monitoring paleo-oceanographic studies and in the interpretation of geochemical status of the ocean terrain. In lab, I analyze marine sediment samples; generate data by pursuing an intensive analysis of sediment samples with various laboratory techniques using instruments such as Spectrophotometer, AAS, ICP-MES etc. Within this context, I work and interact closely with people of NGRI-Hyderabad, NIOT-Chennai, NIO-Goa, IIT-Chennai, IIT-Mumbai etc to help develop reliable data. This process has helped me to develop international contacts to collect current information and recent trend of my research as well as to disseminate my study. I have also carried out research on research vessels (ships) and other platforms for sampling core sediments, surface sediments, water etc. The focus of my present work is to determine the past environmental conditions and behaviors of marine sediments, and can be used to assess the geochemical network of continental slopes, including areas of shelves, coastal, river discharge and terrain origin in the deposition and diagenetic process. Of specific interest have been the marine sediments, as these provide a cause for the abundance of geochemical elements present, in addition to the organic composition. The academic program built around this research is forming with the scientists that will use the data from the publications in the near-future. I have also started working on Natural Hazards especially on Paleo-volcanism and Tsunami. Recently, I am very much inspired on Nanogeoscience and interested to use this in further research works. With these interests in research, I teach Marine Gechemistry, Environmental Geology, Agrogeology, Engineering Geology and Natural Hazard Studies.

FACULTY DEVELOPMENT PROGRAMS ATTENDED

1. Participated in the UGC sponsored Orientation Course conducted by UGC - Academic Staff College, Bharathidasan University, Tiruchirapalli, for the period of 28 days from 01.11.2007 to 28.11.2007 and obtained the grade 'A'.
2. Participated in the UGC sponsored Refresher Course in Environmental Sciences (ID), conducted by UGC - Academic Staff College, Bharathidasan University, Tiruchirapalli, for the period of 21 days from 10.11.2010 to 30.11.2010 and obtained the grade 'A'.
3. Participated in the UGC sponsored Orientation Course conducted by UGC - Academic Staff College, Bharathidasan University, Tiruchirapalli, for the period of 28 days from 01.11.2007 to 28.11.2007 and obtained the grade 'A'. Attended 21 days Refresher Course on Geology from 20.02.2017 to 13.03.2017 organised by UGC - HRDC, Bangalore University, Bangalore, Karnataka 673635.

4. Attended 5 days MHRD(GOI) sponsored GIAN Short Term Course on Paleoclimate Education from 03.12.2018 to 07.12.2018 organised by Dept. of Remote Sensing, Bharathidasan University, Tiruchirappalli 620023.
5. Attended 6 days e-Training Program on Engineering Geology and Landslides from 21.09.2020 to 26.09.2020 organised by Regional Training Institute - SR, Geological Survey of India (GOI), Hyderabad.

SEMINAR, SYMPOSIA, CONFERENCE ETC.: 5 (Five) + 1 (One)

National Level: 4 (Four) + 1 (One) published in the proceedings volume.

1. V. Vasanthamohan, N. Rajeshwara Rao and P. Periakali (2000) Recent Foraminifera from Pichavaram Mangroves, near Chidambaram, Cuddalore District, Tamil Nadu - A preliminary study, *XVII - Indian Colloquium on Micropaleontology and Stratigraphy*, Ujjain. January 2000, *Abs. Vol.*, 104p.
2. R. Ramasamy, V. Vasanthamohan and P. Periakali (2002) Environmental Impacts on Recent Volcanic Effusions and Eruptions in some parts of Tamil Nadu, *National Seminar on Advances in Applied Geosciences for Sustainable Development*, Chennai. February 2002, *Abs. Vol.*, 65p.
3. R. Ramasamy, V. Vasanthamohan, P. Periakali, D. S. Rao and L. G. Gwalani (2002) Crichtonite lava flows near Sambavarvadakarai village, Thirunelveli District, Tamilnadu. *National Seminar on Mineral Exploration and Management - Current Status and Future Trends & Fifth Convention of Mineralogical Society of India*, Chennai. November 2002, *Abs. Vol.*, 69p.
4. N. Rajeshwara Rao, M. Jayaprakash, V. Vasanthamohan and P. Periakali (2003) Benthic Foraminiferal Response to Pollution in the Ennore Creek, North of Chennai, South East Coast of India. *Silver Jubilee Workshop on Exploration & Evaluation of Coastal and Offshore Resources*, Mangalagangothri, Mangalore. February 2003, *Proceedings IGC Workshop*, 42p.
5. V. Vasanthamohan, D. Nagendra Prasad and P. Periakali (2004) Disparity on the Soil treated with Compost (Organic Fertilizer) and Chemical (Inorganic) Fertilizers: A Geobiological Approach, Workshop on Medical Geology (IGCP-454), organized by Indian Geological Congress on 3-4 Feb.2004, Nagpur, Maharashtra (India)
6. Participated in the workshop on “Recent Developments in Petroleum Geology and Exploration” organized by Centre for Geoscience and Engineering, Anna University, Chennai on 21.03.2003
7. Attended National Symposium on “Recent Advances in Stratigraphy and petrology” at Dept. of Geology, University of Madras during 26-27 March, 2003
8. Participated in National Seminar on “Sustainable Development of Groundwater in Hard Rock Areas” on 6-7 January 2005, organized by Department of Applied Geology, University of Madras, Chennai 600 025
9. Participated in National Seminar on “Geoscience and Environment” (NASGEN) 27-28 January 2005, organized by Department of Geology, University of Madras, Chennai 25

International Level: 1(One) published in the proceedings volume.

1. Participated Indo-UK workshop on “Designing of Doctoral research for Ph.D. Scholars” held at the Department of Microbiology, University of Madras, Chennai on 23rd March, 2005

2. **V.Vasanthamohan** and P.Periakali (2004) Paleoenvironmental Scenario of Marine Slope Through Geochemical Study Using Gravity Sediment Core from the Tropical Ocean Waters of Gulf of Mannar, India, “4th International Symposium Environmental Geochemistry in Tropical Countries” held at Búzios, Rio de Janeiro State, Brazil from 25th to 29th October, 2004.
3. Participated in the International Conference on “Tsunami, Disaster management and Coastal development” held at Hotel Taj Coromandel, Chennai 600 034; organized by Madras Development Society, co-organized by UNIDO-ICAMT, New Delhi, with technical support from Oxfam, India from July 30th to August 1st 2005.

Papers Published in Journals (2 Articles):

International Level:

1. Sethupathi, A. S., Lakshmi Narasimhan, C., **Vasanthamohan, V.** and Mohan, S. P. (2011) Prioritization of miniwatersheds based on Morphometric Analysis using Remote Sensing and GIS techniques in a drought prone Bargur-Mathur subwatersheds, Ponnaiyar river basin, India, *International Journal of Geomatics and Geosciences* (ISSN 0976-4380), Vol. 02, No. 02, pp.403-414.
2. Sethupathi, A. S., Lakshmi Narasimhan, C., **Vasanthamohan, V.**, Mohan, S. P. and Anbazhagan, S. (2010) An Integrated Remote Sensing and GIS based approach for the identification of artificial recharge sites in Bargur-Mathur sub-watersheds, Ponnaiyar basin, India, *International Journal of Earth Sciences and Engineering* (ISSN 0974-5904), Vol. 03, No. 02, pp. 188-206. (Indexed in Chemical Abstracts-CAS-USA-Ref .No:172238)

Papers/Abstracts Published in Proceeding Volumes and/or Papers Presented in Conferences, Seminars, Workshops etc. (8 Nos.):

International Level (3 Nos.):

1. Sethupathi, A. S., Lakshmi Narasimhan, C., **Vasanthamohan, V.**, Mohan, S. P. and Anbazhagan, S. (2009) Integrated Remote Sensing and GIS based approach for artificial recharge in Drought Prone Bargur - Mathur sub-watersheds, Ponnaiyar basin, India, *International Conference on Advances in Mechanical and Building Sciences in the 3rd Millennium* (ICAMB 2009), organized by School of Mechanical and Building Sciences & Centre for Disaster Mitigation and Management, VIT University in association with US Partner Universities, held at VIT University, Vellore, India, December 14-16, 2009.
2. **Vasanthamohan, V.** and Rajeshwara Rao, N. (2008) Recent benthic foraminifera in the diverse milieu of Pichavaram mangroves, southeastern coast of India, *The Fifth International Conference on Environmental, Micropaleontology, Microbiology and Meiobenthology* (EMMM' 2008), organized by International Society of Environmental, Micropaleontology, Microbiology and Meiobenthology (ISEMMM) and Department of Applied Geology, School of Earth and Atmospheric Sciences, University of Madras, India held at University of Madras, India during February 17-25, 2008, p.338.
3. **V.Vasanthamohan** and P.Periakali (2004) Paleoenvironmental Scenario of Marine Slope Through Geochemical Study Using Gravity Sediment Core from the Tropical Ocean Waters of Gulf of Mannar, India, “4th International Symposium Environmental Geochemistry in Tropical Countries” held at Búzios, Rio de Janeiro State, Brazil from 25th to 29th October, 2004. (*Published in the proceedings volume*)

National Level (5 Nos.):

1. **V. Vasanthamohan**, D. Nagendra Prasad and P. Periakali (2004) Disparity on the Soil treated with Compost (Organic Fertilizer) and Chemical (Inorganic) Fertilizers: A Geobiological Approach, Workshop on Medical Geology (IGCP-454), organized by Indian Geological Congress on 3-4 Feb.2004, Nagpur, Maharashtra (India).
2. N. Rajeshwara Rao, M. Jayaprakash, **V. Vasanthamohan** and P. Periakali (2003) Benthic Foraminiferal Response to Pollution in the Ennore Creek, North of Chennai, South East Coast of India. Silver Jubilee Workshop on Exploration & Evaluation of Coastal and Offshore Resources, Mangalagangothri, Mangalore. February 2003, Proceedings IGC Workshop, 42p.
3. R. Ramasamy, **V. Vasanthamohan**, P. Periakali, D. S. Rao and L. G. Gwalani (2002) Crichtonite lava flows near Sambavarvadakarai village, Thirunelveli District, Tamilnadu. National Seminar on Mineral Exploration and Management - Current Status and Future Trends & Fifth Convention of Mineralogical Society of India, Chennai. November 2002, Abs. Vol., 69p.
4. R. Ramasamy, **V. Vasanthamohan** and P. Periakali (2002) Environmental Impacts on Recent Volcanic Effusions and Eruptions in some parts of Tamil Nadu, National Seminar on Advances in Applied Geosciences for Sustainable Development, Chennai. February 2002, Abs. Vol., 65p.
5. **V. Vasanthamohan**, N. Rajeshwara Rao and P. Periakali (2000) Recent Foraminifera from Pichavaram Mangroves, near Chidambaram, Cuddalore District, Tamil Nadu - A preliminary study, XVII - Indian Colloquium on Micropaleontology and Stratigraphy, Ujjain. January 2000, Abs. Vol., 104p.

Workshops, Conferences, Seminars, Training Programmes etc. Attended (21 Nos.):

National Level (17 Nos.):

1. Participated in the one day Public Awareness Programme on “Environment and Drinking Water Management” organized by Dept. of Geology, National College, Tiruchirapalli, held on 18th February 2012.
2. Participated in the one day Workshop on “Environmental Protection” organized by Dept. of Geology, National College, Tiruchirapalli, Co-Sponsored by Council for Higher Education - National College, Tiruchirapalli on 30-01-2012.
3. Participated National training cum Workshop on “Analytical and Technical Advancement in AAS and GC (WATA-AG)” organized by the Department of Marine Sciences, Bharathidasan University during January 24th & 25th 2012.
4. Attended Workshop-cum-Training Program on “Analysis of Geology Degree Question Papers Carrying Tamil Version” organized by the Department of Marine Sciences, Bharathidasan University and sponsored by Central Institute of Indian languages, Mysore, under NTS-I (National Testing Service - India) Scheme on 17.02.2011 and 18.02.2011.
5. Attended Workshop on “Challenges Ahead in the Groundwater Sector of Tamilnadu” conducted by Central Ground Water Board, South Eastern Coastal Region, Chennai, at Breeze Residency, Tiruchirappalli on 09.02.2011.

6. Participated in the XXII Indian Colloquium on Micropaleontology and Stratigraphy, sponsored by UGC, DST, MoES, ONGC, CSIR and NIO at Department of Geology, National College, Tiruchirappalli 620001 during December 16-18, 2009.
7. Participated in the National Workshop on “Applications of Micropalaeotology in Environmental and Energy Resources Management” sponsored TNSCST at Dept. of Geology, National College, Tiruchirappalli, during December 14-15, 2009.
8. Participated in the National Workshop on “Coastal Non-living Resources”, sponsored by DST at Department of Geology, National College, Tiruchirappalli 620001 during March 13-15, 2008.
9. Participated in the National Seminar on “Coastal Zones of India”, sponsored by UGC held at Department of Geology, National College, Tiruchirappalli 620001 during December 6-7, 2007.
10. Undergone Training on “Remote Sensing and GIS” dated 11.03.2005, organized by Institute for Remote Sensing, Anna University, Chennai 600025.
11. Attended Workshop on “Remote Sensing and GIS for Disaster Management” organized by Anna University, Chennai 600025, on 09.03.2005.
12. Participated in National Seminar on “Geoscience and Environment” (NASGEN) 27-28 January 2005, organized by Department of Geology, University of Madras, Chennai 25.
13. Participated in National Seminar on “Sustainable Development of Groundwater in Hard Rock Areas” on 6-7 January 2005, organized by Department of Applied Geology, University of Madras, Chennai 600025.
14. Attended National Symposium on “Recent Advances in Stratigraphy and petrology” at Dept. of Geology, University of Madras during 26-27 March, 2003.
15. Participated in the workshop on “Recent Developments in Petroleum Geology and Exploration” organized by Centre for Geoscience and Engineering, Anna University, Chennai on 21.03.2003.
16. Undergone Training in *GIS Package* “Geomedia Professional V 4.0” at Rolta India Limited, Chennai during 01.07.2002 to 10.07.2002.
17. Participated in the Awareness Course on “Natural Hazards & Environment” -Applications of Remote Sensing and GIS tools & conventional Methods, organized by Department of Applied Geology, University of Madras, Chennai 600025 and Science City, Chennai on 10.10.2001.

International Level (4 Nos.):

1. Undergone Training at TCS Pvt. Limited, Gurgaon, by Halliburton Inc., Denver, USA in *Petroleum Geology Softwares* namely, GeoGraphix-Discovery R2006.1 (modules: GEXplorer, SeisVision, PRIZM and SysAdmn), PeopleSoft and Apropos (*certificate given on 8th December 2006*).
2. Participated Indo-UK seminar on “Hepatitis, HIV/AIDS & Health Education” sponsored by British Council Division, British Deputy High Commission, Chennai, held at University of Madras, Guindy Campus, Chennai on 8th & 9th March, 2006.

3. Participated in the International Conference on “Tsunami, Disaster management and Coastal development” held at Hotel Taj Coromandel, Chennai 600 034; organized by Madras Development Society, co-organized by UNIDO-ICAMT, New Delhi, with technical support from Oxfam, India from 30th July to 1st August, 2005.
4. Participated Indo-UK workshop on “Designing of Doctoral research for Ph.D. Scholars” held at the Department of Microbiology, University of Madras, Chennai on 23rd March, 2005.

As Resource Person in Workshops/Seminars, Training Programs, Special/Invited Lectures etc. (4 Nos.):

1. Delivered a Lecture on “Geologists’ Social Concern (Puviyialalarkalin Samukappankalippu)” on 17.02.2012 for the lecture series - Athisaya Boomi (Magnificent Earth), organized by National College, Tiruchirapalli and Tamil Sangam, Tiruchirapalli, from 13.02.2012 to 17.02.2012 at Tamil Sangam, Tiruchirapalli.
2. Delivered a Speech on “Geothermal Energy (Pooviveppa Attral)” on 03.02.2011 for the lecture series - Athisaya Poomi (Magnificent Earth) organized by National College, Tiruchirapalli and Tamil Sangam, Tiruchirapalli, from 01.02.2011 to 05.02.2011 at Tamil Sangam, Tiruchirapalli.
3. Conducted 3 days Training Programme in Surveying for M.Tech., (Geotechnology & Geo-informatics) Students, CERS, Bharathidasan University, Tiruchirapalli 620023 from 14.09.2010 to 17.09.2010 at National College, Tiruchirapalli 620001.
4. Resource person for TNSCST sponsored Orientation Programme for School Teachers on Geosciences held at Department of Geology, National College, Tiruchirapalli 620001 during September, 2007.

Positions held - Leadership role played in organisations linked with Extension Work and NSS or NCC or any other similar activity:

1. Served as **Vice-president for Geology Association**, National College, Tiruchirappalli, from June 2007 to till date. (Periodically)
2. Serving as **Vice-president for Cine Club** in National College, Tiruchirappalli, from 2010 to till date. (2 years).
3. Serving as **Career Counselor for Geology** National College, Tiruchirappalli, from 2007 to till date. (15 years).

Community Services - Contribution to Community Work such as values of National integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.:

1. Participating in various programmes related to Social Welfare as a Resource Person.
2. Taking up Election duties.
3. Conducted Life Style Modification Programme for Elderly People.
4. Organised and Participated in Disaster Relief & Management Programmes during 2004 Tsunami from coastal Chennai to Velankkanni and several Floods.
5. Involved in Disaster Relief Activities at some stage in several Floods in Chennai and Trichy.
6. Doing counseling and services for the needy (students, general public and elderly people).

PERSONAL PROFILE

Date of Birth : 02.03.1976
Gender : Male
Blood Group : O^{+ve}
Nationality : Indian
Proficiency in Languages: English & Tamil
Marital Status : Married
Father's Name : Mr. V. Vellaisamy
Mother's Name : Mrs. S. Saroja
Passport Details : Country Code **IND**; Passport No. **E 0739469**
Date of Issue **12.02.2002**; Expiry **11.02.2012**

EXTRA-CURRICULUM AND OTHER INTERESTS



Sports, Cultural Events, Social Activities etc.

- ⊙ Participated in athletics and sports events in the zonal, regional and state level, and won prizes, during school days and still continuing participating in several athletic and sport activities.
- ⊙ Involved in Scout, N.S.S and attended several camps and involved in other social activities at school and college levels.
- ⊙ Participated and won prizes in the Cultural Events at school, and college levels.

Hobbies

 Designing;  Biking;  Photography

Pastime

 Swimming;  Music/Songs

Passion

 Agrogeology

REFERENCES

Dr. P. PERIAKALI (*Guide for M.Phil Thesis and PhD*)
Professor & Head, Dept. of Applied Geology (Rtd.)
University of Madras, Guindy Campus
Chennai 600 025

Dr.K.K.SHARMA (*Faculty Advisor during M.Sc*)
Professor (Rtd.)
Department of Applied Geology
University of Madras
Guindy Campus
Chennai 600 025

I hereby, declare that the above-mentioned particulars are true to the best of my knowledge and belief.

/V. VASANTHAMOHAN/