



Dr. M. VASANTHAVIGAR
Adjunct Faculty

CONTACT

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Scopus ID : 24605655100
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Web of Science Researcher ID : AAG-1273-2020

ACADEMIC QUALIFICATION

Degree	University/College	Year	Branch
Ph.D.,	Annamalai University	2011	Applied Geology
M.Sc.,	Annamalai University	2006	Applied Geology
B.Sc.,	National College	2003	Geology

TEACHING EXPERIENCE

Teaching : 12.7 Years

S. No.	Name of the Employer's	Designation	From	To	Duration
1	Alagappa University	Adjunct Faculty	17.10.19	Till Now	4.6 Years
2	Ayyappa Institute of Management Studies (AIMS)	Assistant Professor	01.06.18	30.08.19	1.3 Years
3	Adhiparasakthi Engineering College (APEC)	Assistant Professor	29.12.11	19.04.18	6.4 Years
4	Anna University College of Engineering Tindivanam (UCET)	Visiting Faculty	10.08.11	14.12.11	0.4 Years

RESEARCH EXPERIENCE

Research : 2.9 Years

S. No.	Name of the Employer's	Designation	From	To	Duration
1	Annamalai University	Project Fellow	08.06.07	31.03.10	2.9 Years

ACADEMIC & ADDITIONAL RESPONSIBILITIES

S. No.	Position in Dept. level	University Bodies	Duration	
			From	To
1.	Coordinator	IQAC, Alagappa University, Karaikudi	July 2019	April 2022
2.	Coordinator	Swayam, Alagappa University, Karaikudi	July 2019	Till now
3.	Coordinator	Village Extension Programme, Alagappa University, Karaikudi	July 2019	Till now

AREA OF RESEARCH

- Disaster Risk Assessment
- Remote Sensing and GIS Applications
- Groundwater Management,
- Groundwater Contamination,
- Geological and Geomorphological Mapping,
- Water Quality,
- Groundwater Modeling,
- Groundwater Recharge Studies,
- Coastal zone Management,
- Geostatistics and
- Hydro-Geophysics

RESEARCH SUPERVISIONS/GUIDANCE

Programme of the Study	Completed	Ongoing
Project	BE	--
	MBA	04

RESEARCH PUBLICATIONS

International	National	Book Chapter
28	9	1

Total No. of Citation Index

As per Google Scholar : 2857

As per Scopus : 1433

H index : 22

I index : 24

Total No. of Impact Factors (As per JCR) : 48.919

ACADEMIC AWARDS/FELLOWSHIPS

1. Appreciation award was received of the review contributed to the **Total Environment Research Themes, Elsevier**, Since August 2022
2. Appreciation award was received of the review contributed to the **Journal of Chemosphere, Elsevier**, Since December 2021
3. Appreciation award was received of the review contributed to the **Journal of Marine Pollution in Bulletin, Elsevier**, Since July 2021
4. Appointed as “**Academic Counsellor for Indira Gandhi National Open University (IGNOU)**” at Thiyagarajar College, Madurai
5. Appreciation award was received in recognition of valued service in the “**TECHNICAL COMMITTEE**” for the 10th **CUTSE CONFERENCE** on 6th – 7th November 2015 at Curtin University, Sarawak Campus, Malaysia
6. Appreciation award was received in recognition of valued service in the “**TECHNICAL COMMITTEE**” for the 7th **CUTSE CONFERENCE** on 6th – 7th November 2012 at Curtin University, Sarawak Campus, Malaysia
7. “**Thirumathi V. Lakshmi Bangaru Adigalar Award of Excellence-2012**” received for publication of research articles in International Reputed Journals, from Adhiparasakthi Engineering College, Melmaruvathur
8. “**Student Research Fellowship-2010**” award was received from Annamalai University, Annamalai Nagar for best researcher in Earth Science Department.

MEMBERSHIP IN ACADEMIC SOCIETY AND SCIENTIFIC COMMITTEE

1. International Association of Hydrological Sciences (IAHS) (**Membership Number: 18061**)
2. Indian Association of Hydrology (IAH)
3. Indian Society of Applied Geochemistry (ISAG)
4. Hydro International (quoting No.: 158741)
5. Asia Oceania Geosciences Society (AOGS)
6. International Geo-Hazards Research Society

EVENTS ORGANIZED

Position	Programme	Duration	Institution
Coordinator	Faculty Development Training Programme (FDTP) on “Groundwater Engineering”	10 th June to 18 th June 2015	Adhiparasakthi Engineering College, Melmaruvathur
Invited Speaker	Faculty Development Programme on “Surveying”	On 11 th June 2014	VRS Engineering College, Villupuram

CONFERENCES/SEMINARS/WORKSHOPS/FDP - PARTICIPATED

Number of Conferences/ Seminars / Workshops/FDP: 48

LIST OF RESEARCH PUBLICATIONS**International Journals**

S.No	Authors/Title of the paper/Journal	Impact Factor
1.	Premkumar. M, Kongeswaran. T, Sivakumar. K, Muruganantham. A, Muthuramalingam, R and Vasanthavigar, M. (2022). Spit evolution and Shoreline changes along Manamelkudi coast using geo-spatial techniques and statistical approach. Journal of Climate Change. 8(2): 59-67. DOI: 10.3233/JCC220014, ISSN online: 2395-7697	
2.	Gopinath R, Poopathi R, Vasanthavigar M. Arun R, & Mahadevan M (2018). Stabilized red soil—an efficient liner system for landfills containing hazardous materials. Environmental monitoring and Assessment. 190(10): 590. DOI: 10.1007/s10661- 018-6973-z. Springer ISSN: 0167-6369, UGC Listed Journal Sl. No.: 19807	3.0
3.	Gopinath S, Srinivasamoorthy K, Vasanthavigar M, Saravanan K, Prakash R, Suma C.S & Senthilnathan D (2018). Hydrochemical characteristics and salinity of groundwater in Parts of Nagapattinam district of Tamil Nadu and the Union Territory of Puducherry, India. Carbonates and Evaporites, 33 (1): 1-13, DOI 10.1007/s13146-016-0300-y, Springer, ISSN: 1878-5212 (Online Version), UGC Listed Journal Sl. No.: 5042	1.4
4.	Srinivasamoorthy K, Gopinath M, Chidambaram S, Vasanthavigar, M & Sarma, V.S. (2014). Hydrochemical characterization and quality appraisal of groundwater from pungar sub basin, Tamil Nadu, India. Journal of King Saud University (Science), 26(1): 37-52, DOI.org/10.1016/j.jksus.2013.08.001, Science Direct, ISSN:1018-3647 (electronic version), UGC Listed Journal Sl. No.: 30390	3.8
5.	Srinivasamoorthy, K. Chidambaram, S. Vasanthavigar, M & Anandhan, P (2014). Geophysical investigations for groundwater in a Hard rock terrain, Salem District, Tamilnadu, India. Bulletin of Engineering Geology and the Environment, 182 (1-4): 47-60, DOI 10.1007/s10064-013-0488-1, Springer ISSN: 1435-9537 (electronic version), UGC Listed Journal Sl. No.: 9550	4.2
6.	Vasanthavigar, M. Srinivasamoorthy K. & Prasanna M.V. (2013). Identification of groundwater contamination zones and sources by using multivariate statistical approach in Thirumanimuttar Sub-Basin, Tamil Nadu, India. Environmental Earth Sciences, 68: 1783–1795, DOI: 10.1007/s12665-012-1868-8, Springer, ISSN: 1866-6299 (electronic version), UGC Listed Journal Sl. No.: 19764	2.8
7.	Srinivasamoorthy, K. Vasanthavigar, M. Vijayaragavan, K. Sarathidasan, R. & Gopinath, S. (2013). Hydrochemistry of groundwater in a coastal region of Cuddalore district, Tamilnadu, India: implication for quality assessment. Arabian Journal of Geosciences, 6(2): 441-454, DOI: 10.1007/s12517-011-0351-2, Springer ISSN: 1866-7538 (electronic	1.8

	version), UGC Listed Journal Sl. No.: 8149	
8.	Chidambaram, S. Anandan, P. Prasanna, M.V. Srinivasamoorthy, K & Vasanthavigar, M (2013). Major ion chemistry and identification of hydrogeochemical processes controlling groundwater in and around Neyveli Lignite Mines, Tamil Nadu, South India. Arabian Journal of Geosciences , 6(9):3451–3467, DOI: 10.1007/s12517-012-0589-3, Springer ISSN: 1866-7538 (electronic version), UGC Listed Journal Sl. No.: 8149	1.8
9.	Vasanthavigar, M , Srinivasamoorthy, K, Prasanna, M.V & Poovalinga Ganesh. B (2012). To Understand the Characteristics of stable isotopes and trace elements in groundwater of Thirumanimuttar Sub-Basin, Tamil Nadu, India. Carpathian Journal of Earth and Environmental Sciences , 7(3):89 – 100, ISSN Online: 1844 - 489X, UGC Listed Journal Sl. No.: 5113	1.2
10.	Vasanthavigar, M . Srinivasamoorthy, K. & Prasanna, M.V. (2012). Evaluation of Groundwater Suitability for Domestic, Irrigational and Industrial Purposes: A Case Study from Thirumanimuttar River Basin, Tamilnadu, India. Environmental Monitoring and Assessment , 184:405–420, DOI: 10.1007/s10661-011-1977-y. Springer ISSN: 0167-6369, UGC Listed Journal Sl. No.: 19807	3.0
11.	Vasanthavigar, M . Srinivasamoorthy, K. Vijayaragavan, K. Rajiv Ganthi, R & Sarma, V.S. (2012). Characterisation and quality assessment of groundwater with a special emphasis on irrigation utility: Thirumanimuttar sub-basin, Tamil Nadu, India. Arabian Journal of Geosciences , 5:245–258, DOI:10.1007/s12517-010-0190-6, Springer , ISSN: 1866-7538 (electronic version), UGC Listed Journal Sl. No.: 8149	1.8
12.	Srinivasamoorthy, K. Vasanthavigar, M & Gopinath, S (2012). Hydrochemical Techniques to outline the sources of groundwater Salinisation: An example from eastern coastal areas of Cuddalore District, Tamilnadu, India. Indian Landslides , 5(2):35-46, Peer Reviewed Journals	
13.	Srinivasamoorthy, K. Vasanthavigar, M . Chidambaram, S. Anandhan, P. Manivannan, R & Rajivgandhi R (2012). Hydrochemistry of groundwater from Sarabanga Minor Basin, Tamilnadu, India. Proceedings of the International Academy of Ecology and Environmental Sciences , 2(3):193-203, ISSN: 2220-8860, Peer Reviewed Journals	
14.	Srinivasamoorthy, K. Vasanthavigar, M . Vijayaraghavan, K. Chidambaram, S. Anandhan, P. Manivannan, R (2011). Use of Hydrochemistry and Stable Isotopes as Tools for Groundwater Evolution and Contamination Investigations. Journal of Geosciences ; 1(1):16-25, DOI: 10.5923/j.geo.20110101.02, Scientific & Academic Publishing , ISSN:2163-1697, Peer Reviewed Journals	
15.	Vasanthavigar, M . Srinivasamoorthy, K. Vijayaragavan, K. Gopinath, S. & Sarma, V.S. (2011). Groundwater potential zoning in Thirumanimuttar sub - basin; Tamilnadu, India: a GIS and remote sensing approach. Journal of Geo-spatial Information sciences , 14(1):17-26. DOI 10.1007/s11806-011-0422-2. Springer ISSN: 1009-5020 (electronic	

	version), UGC Listed Journal Sl. No.: 27762	
16.	Srinivasamoorthy, K. Vasanthavigar, M. Chidambaram, S. Anandhan P. & Sarma V.S. (2011). Characterisation of Groundwater Chemistry in an Eastern Coastal Area of Cuddalore District, Tamil Nadu. Journal of the Geological Society of India , 78, 549-558, ISSN: 0016-7622 (electronic version), UGC Listed Journal Sl. No.: 11026	1.3
17.	Srinivasamoorthy, K. Vijayaraghavan, K. Vasanthavigar, M. Rajivgandhi, R & Sarma V.S (2011). Integrated techniques to identify groundwater vulnerability to pollution in a highly industrialized terrain, Tamilnadu, India. Environmental Monitoring and Assessment , 182:47-60, DOI 10.1007/s10661-010-1857-x, Springer ISSN: 0167-6369 (print version), UGC Listed Journal Sl. No.: 19807	3.0
18.	Srinivasamoorthy, K. Nanthakumar, C. Vasanthavigar, M. Vijayaraghavan, K. Rajivgandhi, R. Chidambaram, S. Anandhan, P & Manivannan, R (2011). Groundwater quality assessment from a hard rock terrain, Salem District of Tamilnadu, India. Arabian Journal of Geosciences , 4(1):91-102, DOI: 10.1007/s12517-009-0076-7, Springer ISSN: 1866- 7538 (electronic version), UGC Listed Journal Sl. No.: 8149	1.8
19.	Chidambaram, S. Karmegam, U. Prasanna, M.V. Sasidhar, P & Vasanthavigar, M (2011). A study on hydrochemical elucidation of coastal groundwater in and around Kalpakkam region, Southern India. Environmental Earth Sciences , 64:1419-1431, DOI: 10.1007/s12665-011-0966-3, Springer ISSN: 1866-6299 (electronic version), UGC Listed Journal Sl. No.: 19764	2.8
20.	Vasanthavigar, M. Srinivasamoorthy, K. Vijayaragavan, K. Rajiv Ganthi, R. Chidambaram, S. Anandhan, P. Manivannan, R & Vasudevan, S (2010). Application of water quality index for groundwater quality assessment: Thirumanimuttar sub-basin, Tamilnadu, India. Environmental Monitoring and Assessment , 171:595-609. DOI: 10.1007/s10661-009-1302-1, Springer ISSN: 0167-6369 (print version), Listed Journal Sl. No.: 19807	3.0
21.	Srinivasamoorthy, K. Vijayaraghavan, K. Vasanthavigar, M. Sarma, VS. Rajivgandhi, R. Chidambaram, S. Anandhan, P & Manivannan, R (2010). Assessment of groundwater vulnerability in Mettur region, Tamilnadu, India using drastic and GIS techniques. Arabian Journal of Geosciences , 4:1215-1228, DOI: 10.1007/s12517-010-0138-x, Springer ISSN: 1866-7538 (electronic version), UGC Listed Journal Sl. No.: 8149	1.8
22.	Srinivasamoorthy. K, Vijayaraghavan. K, Vasanthavigar. M , Sarma, VS. Chidambaram. S, Anandhan, P & Manivannan, R (2010). Assessment of groundwater quality with special emphasis on fluoride contamination in crystalline bed rock aquifers of Mettur region, Tamilnadu, India. Arabian Journal of Geosciences , 5:83-94, DOI 10.1007/s12517-010- 0162-x, Springer ISSN: 1866-7538 (electronic version), UGC Listed Journal Sl. No.: 8149	1.8
23.	Vasanthavigar, M. Srinivasamoorthy, K. Vijayaragavan, K. Rajiv Ganthi, R. Chidambaram, S. Sarama, V.S. Anandhan, P. Manivannan, R &	3.2

	Vasudevan, S (2009). Hydrogeochemistry of Thirumanimuttar Basin: An Indication of Weathering and Anthropogenic Impact. International Journal of Environmental Research , 3(4), 617-628. Springer 1735-6865, UGC Listed Journal Sl. No.: 3000	
24.	Srinivasamoorthy, K. Sarma, V.S. Vasanthavigar, M. Vijayaraghavan, K. Chidambaram, S & Rajivganthi, R. (2009). Electrical imaging techniques for groundwater pollution studies: a case study from Tamil Nadu state, south India. Earth Sciences Research Journal , 13(1), 30-39, ISSN: 1794-6190, UGC Listed Journal Sl. No.: 12336	
25.	Srinivasamoorthy, K. Chidambaram, S. Sarma, V.S. Vasanthavigar, M. Vijayaraghavan, K. Rajiv Ganthi, R. Anandhan, P. Manivannan, R. & Vasudevan, S (2009). Hydrogeochemical Characterisation of Groundwater in Salem District of Tamilnadu, India. Research Journal of Environmental and Earth Sciences , 1(2): 22-33, ISSN: 2041-0492 (online), Maxwell Scientific Publication Corporation, Peer Reviewed Journals	
26.	Srinivasamoorthy. K, Chidambaram. S & Vasanthavigar, M (2009). Application of Multivariate Statistical Analysis in Elucidation of Hydrogeochemical Data; A case Study. International Journal of Ecological Economics and Statistics , 14(09) 89-109, ISSN: 0973-7537 (online), UGC Listed Journal Sl. No.: 2906	
27.	Prasanna. M.V, Chidambaram. S, Pethaperumal. S, Srinivasamoorthy. K, John Peter. A, Anandhan. P & Vasanthavigar, M (2008). Integrated geophysical and chemical study in the lower sub basin of Gadilam River, Tamilnadu, India. Environmental Geosciences , 15(4), 145-152. The American Association of Petroleum Geologists (AAPG) , ISSN: 1075-9565 (online). UGC Listed Journal Sl. No.: 19784	2.6
28.	Srinivasamoorthy, K. Chidambaram, S. Prasanna, M.V. Vasanthavigar, M. John Peter, A & Anandhan, P (2008). Identification of major sources controlling Groundwater Chemistry from a hard rock terrain - A case study from Mettur Taluk, Salem district, Tamilnadu, India; Journal of Earth System Sciences , 117(1), 1-10, Springer ISSN: 0253-4126, UGC Listed Journal Sl. No.: 7157	1.9

National Journals

1. Srinivasamoorthy, K. **Vasanthavigar, M.** Vijayaraghavan, K. Chidambaram, S. Anandhan, P. Vasudevan, S. Manivannan, R. Rajivganthi, R and Pethaperumal, S. (2008). Application of Statistical analysis for Source determination of Major ions in Veeranam Lake, Tamilnadu, India. **Annamalai University Science Journal**, 45, 13-18
2. Srinivasamoorthy, K. Chidambaram, S & **Vasanthavigar, M.** (2008). Geochemistry of fluorides in groundwater: Salem district, Tamilnadu, India. **Journal of Environmental Hydrology**, 16 (25), 1-10, ISSN: 1058-3912

3. Srinivasamoorthy K, Chidambaram S, **Vasanthavigar M**, Prasanna M V, John Peter A, (2007). Geochemistry of Fluorides in Groundwater of Salem district, Tamilnadu, India. **Indian Journal of Applied Geochemistry**, 22(2), 237-246. ISSN: 0970-9088
4. Srinivasamoorthy, K. Chidambaram, S and **Vasanthavigar, M.** (2009). Identification of groundwater recharge zones in a hard rock terrain using electrical resistivity methods. **Journal of Applied Hydrology**, 22 (3&4), 68-79, ISSN: 0971-670X
5. Srinivasamoorthy, K. Vijayaraghavan, K. **Vasanthavigar, M. Chidambaram, S. Rajivganthi, R. & Sarma V.S. (2010).** Geophysical and hydrochemical investigations of groundwater in a hard rock terrain, India: Implications for evaluation, quality and vulnerability risk mapping. **Goldschmidt Conference**
6. **Vasanthavigar, M.** Srinivasamoorthy, K. Vijayaragavan, K & Rajivganthi, R (2010). Assessment of Chemical Components in Groundwater from Thirumanimuttar Sub-Basin, Tamil Nadu, India. **Geomatic Based Natural Disaster Mitigations and Managements**. 230-236. Ziegenbalg press (Joseph Eye hospital), Tranquebar house, Trichy-1. ISBN: 978-93-80211-05-3
7. Srinivasamoorthy, K. Sarma, V.S. **Vasanthavigar, M.** Vijayaragavan, K & Rajivganthi, R (2010). Application of High-Resolution Electrical Resistivity Tomography for Groundwater Quality Appraisal in Parts of Tirupur District, Tamilnadu, India. **Geomatic Based Natural Disaster Mitigations and Managements**. 220-229. Ziegenbalg press, Tranquebar house, Trichy-1. ISBN: 978-93-80211-05-3
8. **Vasanthavigar, M.** Srinivasamoorthy, K. Vijayaragavan, K. Rajiv Ganthi, R. Chidambaram, S. Anandhan, P. Manivannan, R and Vasudevan, S. (2009). Hydrochemical Assessment of Groundwater in Thirumanimuttar Sub-basin Implication of Water Quality Degradation by Anthropogenic Activities. **Recent Trends in water research Hydrogeochemical and Hydrological Perspectives**, 98-113. IK International Publishing House Pvt. Ltd. New Delhi. ISBN 978-93-80026-9-6
9. Srinivasamoorthy, K. **Vasanthavigar, M.** Vijayaragavan, K. Rajiv Ganthi, R. Chidambaram, S. Anandhan and P. Manivannan, R (2009). Application of vertical electrical sounding to demarcate groundwater potential zones and contamination studies Thirumanimuttar, sub-basin, Tamil Nadu, India using GIS techniques. **Recent Trends in water research Hydrogeochemical and Hydrological Perspectives**, 99-114. IK International Publishing House Pvt. Ltd. New Delhi. ISBN 978-93-80026-9-6

SERVED AS A REVIEWER

1. Solid Waste Management Practices and Challenges in Rural and Urban Senior High Schools in Ashanti Region, Ghana (2022). **Journal of Environmental and Public Health. Hindawi**, Manuscript Number: 9694467
2. Evaluation of Pollution status and Detection of the reason of death of fish in Chamo Lake, Ethiopia. (2022). **Journal of Environmental and Public Health. Hindawi**, Manuscript Number: 5859132

3. Modelling groundwater flow and contaminant migration in heterogeneous fractured media at a municipal solid waste landfill in Nanjing Lishui, China. (2022). **Geofluids, Hindawi**, Manuscript Number: 8391260
4. Quality Assessment of Research Studies on Microplastics in Soils: A Methodological Perspective. (2021). **Chemosphere, Elsevier**, Manuscript Number: CHEM92539
5. "Distributions, sources, aging, and management policies of coastal plastics in Shanghai". (2011). **Chemosphere, Elsevier**, Manuscript Number: CHEM94584
6. "Isotopic signatures, hydrochemical and multivariate statistical analysis of seawater intrusion in the coastal aquifers of Chennai and Tiruvallur District, Tamil Nadu, India". (2021). **Marine Pollution Bulletin, Elsevier**, Manuscript Number: MPB-D-21-01230R1
7. "Delineation of potential aquifer zones in Gneissic terrain using multi electrode scanning technique – case study in part of Chittar sub-basin, South India". (2020). **Arabian Journal of Geosciences, Springer**, Manuscript Number: AJGS-D-20-01636
8. "Experimental study on phosphorus flux and potential release rate of phosphorus from bottom sediments of the reservoir in South India". (2019). **Environmental Monitoring and Assessment, Springer**, Manuscript Number: EMAS-D-19-01044
9. Factor analysis of rock, soil and water geochemical data from Salem magnesite mines and surrounding area, Salem, southern India. (2016). **Applied Water Science, Springer**, Manuscript Number: AWSC-D-15-00326
10. "Comparative study of Wenner and Schulmberger electrical resistivity method for groundwater investigation: A case study from Dhule district (M.S.), India" (2016). **Applied Water Science, Springer**, Manuscript Number: AWSC-D-16-00387
11. A study on the defluoridation in water by using natural soil. (2012). **Frontiers of Environmental Science and Engineering (FESE), Springer**, Manuscript Number: FESE-2012-0117, ISSN: 2095-221X
12. Plant species identification using Artificial Neural Networks (ANN): a Review. (2012). Proceedings of the 7th CUTSE International Conference, Miri, Sarawak, Malaysia. Manuscript No.SC04-CUTSE-2012
13. Investigation of short time scale variation of solar radiation spectrum in UV, PAR and NIR bands due to atmospheric aerosol and water vapor. (2012). **Proceedings of the 7th CUTSE International Conference, Miri, Sarawak, Malaysia**. Manuscript No: SC02-CUTSE-2012
14. Assessment of surface water receiving sewage effluents for gardening irrigation purposes: a case study of Ona River in Ibadan southwest local government area of Oyo State, Nigeria. (2011). Manuscript Number: JHF-11-044, **Journal of Horticulture and Forestry**, ISSN: 2006-9782
15. On the numerical study of indoor particle dispersion and spatial distribution. (2011). Manuscript Number: 8113, **Journal of Air Soil and Water Research**, SAGE Journals

16. Geochemical Assessment of Sediment Quality Using Multivariate Statistical Analysis of Ennore Creek, North of Chennai, SE Coast of India. (2011). **Proceedings of the 3rd CUTSE International Conference, Miri, Sarawak, Malaysia**, Manuscript No: 217-CUTSE-2011
17. Preliminary investigation on electrochemical parameters of Lake waters in and around Miri City, Malaysia. (2011). **Proceedings of the 3rd CUTSE International Conference, Miri, Sarawak, Malaysia**. Manuscript No: 220-CUTSE-2011
18. Characterization of groundwater in the Souss upstream basin: hydrochemical and environmental isotopes approaches. (2010). **African Journal of Environmental Science and Technology**, Manuscript Number: AJEST-10-211, ISSN: 1996-0786

CONFERENCES/ WORKSHOPS/FDP - PARTICIPATED

International

1. International Faculty Development Programme on “**Art of Effective Education During Pandemic Scenario**” organized by the Department of Pedagogical Sciences, Tamil Nadu Teachers Education University, Chennai and Lakshmi College of Education, Gandhigram, Dindigul, from 23.07.2021 to 29.07.2021
2. International Seminar on “**Micro-Irrigation in India: Economics, Impact and Potential**” organized by the Department of Economics and Rural Development, Alagappa University, Karaikudi, from 30.01.2020 to 31.01.2020
3. International Workshop on “**Advances on Concrete Materials (IWACM-2012)**” organized by Department of Civil Engineering, Adhiparasakthi Engineering College, Melmaruvathur, from 03.02.2015 to 04.02.2015
4. International Workshop on “**Advances on concrete materials & Exhibition (IWACME-2012)**” organized by Civil Engineering, Adhiparasakthi Engineering College, Melmaruvathur, from 23.01.2012 to 24.01.2012

National

1. Webinar on “**Disaster Risk Financing and Insurance Disaster and Insurance Awareness – Monthly Online Webinar for Andhra Pradesh, Karnataka, Kerala, Pondicherry, Tamil Nadu, Telangana**” organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, held on 26.11.2021
2. Training on “**Multi Sector Coordination for Emergency Shelter Preparedness for Response**” organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, from 16.11.2021 to 18.11.2021
3. training on "Fundamentals of Disaster Risk Reduction and Management" from 10 Nov 2021 to 12 Nov 2021 organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with TERI School of Advanced Studies
4. Training on "**Disaster Risk Reduction and Resilience**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with MGSIPA, from 10.11.2021 to 12.11.2021

5. Webinar on "**Challenges and Solutions for utilization and safe disposal of Solid Waste generated in Post Disaster Scenario - Technical Session 1**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, held on 11.11.2021
6. Training on "**Enhancing the Capacities for the Resilience of Hills**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Chitkara University Himachal Pradesh, from 20.10.2021 to 22.10.2021
7. Training on "**Developing Resilience to Climate Change**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with BAIF Development and Research Foundation Pune, from 20.10.2021 to 22.10.2021
8. Training on "**Process orientation training on CCDRR**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Central University of Jharkhand Ranchi, from 20.10.2021 to 22.10.2021
9. Workshop on "**Geoethics with focus on Geohazards and Mining Disasters**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with CSIR-Central Institute of Mining and Fuel Research International Association for Promoting Geoethics India Chapter, held on 14.10.2021
10. Workshop on "**Promoting EcoDRR for Infrastructure and Social Resilience**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with United Nations Environment Programme (UNEP), held on 14.10.2021
11. Seminar on "**Climate Change and Disasters - Vulnerability and Mitigation Strategies**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Chaudhary Bansi Lal University, held on 13.10.2021
12. Training on "**Climate Change, Urbanisation and Multi-hazard Management**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Mahatma Gandhi State Institute of Public Administration, from 20.09.2021 to 22.09.2021
13. Webinar on "**Tsunami Risk Reduction and Resilience**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Indian National Centre for Ocean Information Services (INCOIS), held on 10.08.2021
14. Webinar on "**Role of Youth in Disaster Management**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Rajiv Gandhi National Institute of Youth Development, held on 06.08.2021
15. Training on "**Geo-Hazard Analysis and Management**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Department of Earth and Planetary Sciences University of Allahabad, from 26.07.2021 to 28.07.2021
16. Webinar on "**Climate Change and its Possible Impacts on Women and Children**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Central University of Jharkhand, held on 21.07.2021

17. Training on "**Flood Risk Reduction and Resilience**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Federation of Indian Chambers of Commerce & Industry (FICCI), from 14.07.2021 to 16.07.2021
18. Webinar on "**Basic of Disaster Management**" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Department of Social Work, Patrician College of Arts and Science, held on 12.07.2021
19. Training Programme on "**Comprehensive Disaster Management**" organized by the National Institute of Disaster Management, Ministry of Home Affairs, Government of India in Collaboration with O P Jindal University, Raigarh, Chhattisgarh, from 10.03.2021 to 12.03.2021
20. Faculty Development Program on "**Soil Mechanics**" organized by the Department of Civil Engineering, Adhiparasakthi Engineering college, Melmaruvathur, from 19.01.2016 to 25.01.2016
21. Faculty Development Program on "**Soil Mechanics**" organized by the Department of Civil Engineering, University College of Engineering Ariyalur (UCEA), Ariyalur, from 05.12.2014 to 12.12.2014
22. Training Programme on "**3D-Groundwater Flow and Contaminant Transport Modeling (3D-GFCTM)**" organized by the Department of Civil Engineering, National Institute of Technology, Calicut, from 05.05.2014 to 07.05.2014
23. Training Programme on "**Ground Water Modelling Using Visual MODFLOW**" organized by the Department of Civil Engineering, Vellore Institute of Technology, Chennai, held on 25.01.2014
24. Faculty Development Program on "**Remote sensing Techniques & GIS**" organized by the Department of Civil Engineering, Tagore Engineering College, Chennai, from 21.11.2012 to 28.11.2012
25. Workshop on "**Isotope Tracers for Water Resources Management**" organized by the Centre for Water Resources, Anna University, Chennai, held on 25.02. 2011
26. National Level Training Programme on "**Role of Aqua Chemical Modeling in Water Resources Pollution**" organized by the Department of Earth Sciences, Annamalai University, Annamalai Nagar, Chidambaram, from 15.12.2010 to 29.12.2010
27. Workshop on "**Groundwater Resources Estimation**" organized by the Indian Institute of Delhi, Hauz Khas, New Delhi, from 23.02.2010 to 24.02.2010
28. Training Programme on "**Hydrological Design Aids**" Conducted by Government of India, Centre water Commission (CWC), National water Academy (NWA), Pune, Maharashtra (State), from 29.06.2009 to 03.07.2009
29. Short Term Training Course on "**Geospatial Technology Concepts & Applications**" Conducted by Centre for Remote Sensing and Geoinformatics, Sathyabama University, Sponsored by National Resources Data Management System (NRDMS), Department of Science and Technology, Government of India, from 19.03.2008 to 31.03.2008

30. One day Workshop on “**RAIN GIS**” Sponsored by DST-NRDMS at Department of Earth Sciences, Annamalai University, Annamalai Nagar, Tamilnadu, India, held on 13.03.2008
31. National Workshop on “**Applied Geochemistry in Environmental Studies**” at the University of Madras, Chennai, Tamilnadu, India, from 08.02.2008 to 09.02.2008
32. Short Term Training on “**Isotope Trace Techniques for Water Resources Development and Management**” sponsored by the department of Science and Technology, Government of India and organized by Centre for Water Resource Development and Management (CWRDM) Kunnamangalam, Kozhikode, Kerala, from 14.01.2008 to 19.01.2008
33. Two days Value Added Training (VAT) Programme of “**IDRISI Andes Version 14.05 – Software for Advance Geographic Information System (GIS) & Digital Image Processing**” organized by the Department of Earth Sciences, Annamalai University, Chidambaram, from 03.12.2007 to 04.12.2007
34. Workshop on “**GIS in Earth Resource Management**” organized by the Department of Earth Sciences, Annamalai University, Chidambaram, from 25.11.2007 to 27.11.2007
35. Workshop on “**Isotope Trace Techniques in water Resource Development and Management**” organized by the Department of Earth Sciences, Annamalai University, Chidambaram, held on 10th March 2007

PAPER'S PRESENTED IN SEMINARS

1. **GIS and remote sensing tools to identify ground water potential zones in aquifers of Thirumanimuttar Sub-Basin, Tamil Nadu, India.** UGC Sponsored National Seminar on “Basins of India, their Resources and Management” (17 & 18, February, 2011) Department of Earth Sciences, Annamalai University, Annamalainagar-608 002
2. **Assessment of chemical components in groundwater from Thirumanimuttar Sub-basin, Tamilnadu, India** National level Workshop on Geomatic Based Natural Resources Disaster Mitigation and Management from 22nd to 26th February 2010 held at Department of Industries and Earth Sciences, The Tamil University, Tanjavur, Tamil Nadu, India
3. **Assessment of groundwater quality using Water Quality Index from Thirumanimuttar sub basin, Tamilnadu, India** National Seminar on “AQUATIC CHEMISTRY - AQUASEM 09” from 26th to 28th March 2009 to be held at Cochin University of Science and Technology, Kochi, Kerala, India.
4. **Hydrogeochemical frame work of the aquifer in Thirumanimuttar sub-basin Tamilnadu, India** in the National Conference on Recent Trends in Bioscience-21st Millennium (BIOS 2009) during between 6th & 7th March 2009 held in the Department of zoology, Annamalai University, Annamalai Nagar, Tamilnadu, India.
5. **Development of water quality index for groundwater quality assessment: Thirumanimuttar Sub-Basin, Tamilnadu, India** in the National Seminar on RETWAR 2009 during between 2nd and 3rd March 2009 to be held at Department of Earth Sciences, Annamalai University, Annamalai Nagar, Tamilnadu, India.

6. **Application of water quality index for groundwater quality assessment: Thirumanimuttar Sub-Basin, Tamilnadu, India** in the National Workshop on Applied Geochemistry in Mineral Exploration (Mineral, Water & Fuels): Current and Future Trends; on 25th & 26th February 2009, Mysore University, Mysore, Karnataka, India.
7. **Geochemistry of groundwater from Thirumanimuttar sub basin, Tamil Nadu, India** National Seminar on AP SCIENCE CONGRESS from 14th to 16th November 2008, to be held at Osmania University at Hyderabad, Andhra Pradesh.
8. **Geo-Statistical analysis to interpret major controls on groundwater chemistry in a Hard rock terrain, Tamilnadu, India.** National Seminar on Hyper spectral Remote Sensing and Spectral Signature Database Management System (HYPERSEC 2008) from 14th to 15th February 2008 at Department of Earth Sciences, Annamalai University, Chidambaram. Tamilnadu, India.
9. **A Study on the Defluoridation in Water by using Natural Soil.** National seminar on “Strategy for exploration and exploitation of mineral, ore and oil Deposits in the Present Context of Global Economic Scenario-A Trust on New Horizon” SEEMGES 2006 held 3rd to 11th March 2006 Department of Earth Sciences, Annamalai University, Chidambaram, Tamilnadu, India.

Date: 26-Mar-24

Place: Karaikudi

[VASANTHAVIGAR]