

Curriculum Vitae

Dr. N. Jawahar Raj,

Associate Professor & HOD, Department of Geology, National College, Tiruchirappalli - 1

1. Educational Qualifications

Degree	Subject	Institution	University / Board	Year of Passing	Marks Obtained
Ph.D	Earth Sciences	Bharathidasan University, Tiruchirappalli		2003	Commended
P.G.D.E.E	Ecology and Environment	Indian Institute of Ecology and Environment, New Delhi		1998	71.30%
M.Tech	Remote Sensing Applications	Bharathidasan University, Tiruchirappalli		1993	77.00%
M.Sc	Applied Geology	National College, Tiruchirappalli	Bharathidasan University, Tiruchirappalli	1991	79.50%
B.Sc	Geology			1989	59.85 %

- Secured **University first rank** in the M.Tech degree course
- Secured **University second rank** in the M.Sc. degree course
- Passed the State Level Educational Testing (**SLET**) Examination in the year 1997.

2. **Date of Joining as Lecturer in the Department of Geology, National College, Tiruchirappalli** : **19.06.2000**

3. **Teaching Experience** (both U.G & P.G) : **23 years**

4. **Member Board of Studies**

- Department of Geology, Alagappa University, Karaikudi (2011-2014)
- Department of Geology, Bharathidasan University, Tiruchirappalli

5. Research Activities

a) Research Project Sanctioned

- A Minor research project was sanctioned by the UGC in 2005, for a carrying out a project “**A Comprehensive Assessment of Drinking Water Availability and Quality in the Kadavur Watershed of Karur District, Tamil Nadu**”. The amount sanctioned for carrying out the project was Rs. 57,000 /-.

b) List of Ph.D Candidates Registered for Ph.D

S. No.	Name of the Candidate	University Register No.
1.	A. Raja	(37866)
2.	S. R. Abirami	(41217)
3.	A. Prabhakaran	(47468)
4.	Ms. Santa Antony	(29399)
5.	S. Sundaramoorthy	(38492)

c) List of M.Phil Candidates Guided

S. No.	Name of the Candidate and University Register No.	Year of submission of dissertation	Title of the Dissertation
1.	A. Prabhakaran (GYR 1101)	2012	Drainage Morphometry and Hydrological Processes of Watersheds of Pachamalai Hills and Its Adjoinings, Central Tamil Nadu
2.	M.Amsakumar (2K8PT31403)	2011	Drainage Morphometric Analysis of the Upper Vellar Basin, Tamil Nadu
3.	G. Rajapandian (06CD 28428)	2008	Drainage Network Analysis of the Watersheds of the Kolli Hills, Namakkal District, Tamil Nadu
4.	S. Dhanabal (06CD 30454)	2008	Drainage Morphometric Analysis of the Sweta Nadhi Basin, Central Tamil Nadu
5.	S. Shanthi (06CD 28440)	2008	Analysis of Forest Cover Changes in the Puliyanjolai Watershed of Kolli Hills, Namakkal Taluk, Tamil Nadu
6.	Dominic Cecili (06CD 28400)	2008	Assessment of Soil Erosion Potential of the Gundur Watershed of the Kolli Hills, Namakkal District, Tamil Nadu
7.	S. Saravana Devi (06CD 28438)	2008	Groundwater Quality Analysis for Agricultural Studies in Kadavur Watershed, Karur District, Tamil Nadu

d. List of Publications

i) In journals

1. **Jawahar Raj, N.**, Prabhakaran, A and A. Muthukrishnan (2021). Quantitative stream network analysis for assessing form and hydrological processes of the watersheds of Kolli hills, Tamil Nadu, India, *Arabian Journal of Geosciences*, 14:2646, <https://doi.org/10.1007/s12517-021-08882-7>
2. Prabhakaran, A., **Jawahar Raj, N.**, Deneshkumar, V and S. Selvakumar (2019). Groundwater Quality Assessment in Pachamalai Hills, Tamil Nadu, India using GIS and Multivariate Statistical Techniques. *Journal of Information and Computational Science*, Vol. 9 (11), pp.1257-1270.
3. Sakthivel, R., **Jawahar Raj, N.**, Sivasankar, V., Akhila, P and Kiyoshi Omine (2019). Geospatial Technique Based Approach on Drainage Morphometric Analysis at Kalrayan Hills, Tamil Nadu, India. *Applied Water Science*, V.9(24), pp. 1-18, <https://doi.org/10.1007/s13201-019-0899-7>
4. Prabhakaran, A and **N. Jawahar Raj (2018)**. Mapping and Analysis of Tectonic Lineaments of Pachamalai Hills, Tamil Nadu, India. Using Geospatial Technology. *Geology, Ecology and Landscapes*, V.2(2), pp. 81-103, <https://doi.org/10.1080/24749508.2018.1452481>.
5. **Jawahar Raj, N** and A. Prabhakaran (2018). Lineaments of Kodaikanal-Palani Massif, Southern Granulitic Terrain of Tamil Nadu, India: A Study Using SRTM DEM and LANDSAT Satellite's OLI Sensor's FCC. *Geology, Ecology and Landscapes*, V.2(3), pp. 188-202, <https://doi.org/10.1080/24749508.2018.1452477> .
6. Prabhakaran, A and **N. Jawahar Raj (2018)**. Drainage morphometric analysis for assessing form and processes of the watersheds of Pachamalai hills and its adjoining, Central Tamil Nadu, India. *Applied Water Science*, V.8(31), <https://doi.org/10.1007/s13201-018-0646-5>
7. **Jawahar Raj, N.**, Prabhakaran, A and A. Muthukrishnan (2017). Extraction and Analysis of Geological Lineaments of Kolli Hills, Tamil Nadu – A Study Using Remote Sensing and GIS. *Arabian Journal of Geosciences*, V.10(195), DOI 10.1007/s12517-017-2966-4
8. Varsha Prem, **Jawahar Raj, N** and B. Gurugnanam (2016). An analysis of the Relation between the Stream order, Watershed, Drainage Density and Wetlands Using GIS. *International Journal of Science, Environment*. V. 5(3), pp. 925 – 929. ISSN 2278-3687 (O), 2277-663X (P).
9. Balaselvakumar S., Kumaraswamy, K and **N. Jawahar Raj (2015)**. Evaluation of Groundwater Quality for Irrigated Agriculture in Marudaiyar Sub-Basin, Tamil Nadu, *International Journal of Current Research*, V.7(10), pp. 21444-21451.
10. Balaselvakumar S., Kumaraswamy, K and **N. Jawahar Raj (2015)**. Groundwater and Soil related Crop Analysis of Marudaiyar Sub-Basin, Tamil Nadu, *International Journal of Science and Research*, V.4(10), pp. 463-470.
11. Kumarasamy, K and **N. Jawahar Raj (2015)**. Spatio-Temporal Analysis of Landuse/Land cover Aspects of Kolli Hills Environment, Tamil Nadu. *Geographical Analysis of Union Geographical Information Technologist, Department of Geography, Bangalore University, Bangalore, India*, V.4(2),pp. 34-40.

12. Balaselvakumar S., Kumaraswamy, K and N. **Jawahar Raj (2013)**. Groundwater prospects of Marudaiyar Basin, Tamil Nadu Using Remote Sensing and GIS Techniques. *Indian Journal of Scholarly Research*, V.2(12), pp. 50-53.
13. **Jawahar Raj, N** and R. Sakthivel (2012). Quantitative Morphometric Analysis and its Consequences: A Case study from Gomukhi River Basin, Tamil Nadu, *International Journal of Remote Sensing and GIS*, V.1(2), pp. 154-159.
14. Gokula, V and N. **Jawahar Raj (2012)**. Status of Vultures in Kolli Hills, Tamil Nadu, India. *Recent Advances in Biodiversity of India (Eds. C. Raghunathan, C. Sivaperuman and R. Venkataraman), Published by the Zoological Survey of India*, pp. 375-380.
15. Ruthravel Murthy, K., Dhanakumar, S., Solaraj, G., Mohanraj, R., **Jawahar Raj, N** and K. Kumaraswamy. (2012). Assessment of Groundwater Quality in Flood Plains of Upper Palar River, India. *Chinese Journal of Geochemistry*, V.31(1), pp.15-23.
16. Ruthravel Murthy, K., Dhanakumar, S., Solaraj, G., Mohanraj, R., **Jawahar Raj, N** and K. Kumaraswamy (2010). Groundwater Quality Assessment for Domestic Purpose in the Selected Locations of Arcot Region, Tamil Nadu, India. *Indian Journal of Natural Sciences*, V.1(1), pp.8-14.
17. Sakthivel, R., Manivel., M, **Jawahar Raj, N.**, Pugazhendhi, V., Ravichandran, N and Vijay D. Anand (2010). Remote Sensing and GIS based Forest Cover Change Detection Study in Kalrayan Hills, Tamil Nadu. *Journal of Environmental Biology*, V.31, pp.737-747.
18. Suresh, M., Gurugnanam, B., Vasudevan, S., Dharanirajan, K and N. **Jawahar Raj (2010)**. Drinking and Irrigational Feasibility of Groundwater, GIS Spatial Mapping in Upper Thirumanimuthar Sub-basin, Cauvery River, Tamil Nadu. *Journal of Geological Society of India*, V.75, pp.518-526.
19. Balaselvakumar, S., Kumaraswamy, K., **Jawahar Raj. N (2008)**. Land Use / Land Cover Mapping of Marudaiyar Basin, Tamil Nadu Using Remote Sensing Data. *Eco-Chronicle*, V.3(4), pp.269-274.
20. Balaselvakumar, S., Kumaraswamy, K., **Jawahar Raj., N** and Srileka, S (2007). Geographical Information System for the Evaluation of Groundwater and its Suitability for Agriculture in Marudhaiyar Basin. *International Journal of Scientific Transaction and Technovision*, V.1 (2), pp. 58-68.
21. Sakthivel, R., Manivel., M, N. **Jawahar Raj**, Pugazhendhi, V and D. Kumaran Raju (2006). Role of Remote Sensing in Geomorphic Mapping: A Case Study from Kalrayan Hills, Parts of Eastern Ghats, Tamil Nadu. *Indian Journal of Geomorphology*, V.11&12 (1&2), pp.101-110.
22. Srileka,S., Kumaraswamy,K., Balaselvakumar,S and N. **Jawahar Raj (2003)**. Geomorphological Mapping of Arjuna River Basin, Tamil Nadu Using Remote Sensing Data. *The Deccan Geographer*, V.41(1), pp.65-72.
23. Balaselvakumar, S., Kumaraswamy, K., Srileka, S and N. **Jawahar Raj (2003)**. Applications of Remote Sensing Data for Land Use / Land Cover Mapping – A Case Study of Arjuna River Basin in Tamil Nadu. *International Journal of Biosciences, Biotechnology Research Asia*, V.1(1), pp.43-48.
24. Balaselvakumar, S., Kumaraswamy, K., Srileka, S and N. **Jawahar Raj (2001)**. Morphometric Characteristics of Arjuna River Basin of Tamil Nadu – A Quantitative Approach. *The Deccan Geographer*, V.38 (1&2), pp.31-40.
25. UshaBhuvaneshwari, S., Kumaraswamy, K., and N. **Jawahar Raj (2001)**. Morphometric Analysis for Water Resources Management: A Case Study of Noyil Basin, Tamil Nadu. *Indian Journal of Geomorphology*, V.6 (1&2), pp.137-144.

26. **Jawahar Raj, N** and K. Kumaraswamy (2001). Assessment of Salt Water Intrusion Around the Vaippar River Estuary of Tamil Nadu, India. *International Journal of Ecology and Environmental Sciences*, V.27, pp.121-124.
27. **Jawahar Raj, N** and K. Kumaraswamy (1999). Status of the Coral Reef Environment of the Gulf of Mannar, South India. *Journal of Nature Conservators*, V.11(2), pp.161-168.
28. **Jawahar Raj, N.**, K. Kumaraswamy and K.Ponnaiyan (1998). Morphometric Characteristics of Upper Noyil Basin of Tamil Nadu. *The Deccan Geographer*, V.36 (2), pp.15-30.

- **Total Citations** : 241 (193 in the last five years)
- **Google h-index** : 8 (7 in the last five years)
- **Google i10-index** : 7 (all in the last five years)

ii) *In Proceedings Volume*

- Raja, A., Gandhi, C and N. **Jawahar Raj** (2011). Himalayan and Kumari Region in Sangam Literature. Proc. “National Conference on Disaster Management in Ancient Tamil Literature” organized by the Department of Industries and Earth Sciences and Department of Tamil, Tamil University, Thanjavur on 10th and 11th February 2011.
- Kumaraswamy, K., **Jawahar Raj, N** and K. Ruthravel Murthy (2008). Application of GIS in Salt Water Intrusion – A Case Study in Vaippar Estuary, Coramandel Coast, India. Proc. DST Sponsored National Training and Workshop. Proc. “Application of Remote Sensing and GIS Tools for Coastal and Ocean Resource Mapping, Monitoring and Management” held during 10-30th September, 2008, organized by the Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu.
- **Jawahar Raj, N** (2005). Remote Sensing for Earthquake and Volcanic Disaster Management. Proc. “National Workshop on Remote Sensing for Environmental Studies” held during 21-25 February 2005 Organised by the Department of Geography, Bharathidasan University, Tiruchirappalli.

e) **Research Papers Presented in Seminars / Conferences / Symposia / Workshops**

- Presented a research paper “*Drainage Morphometry and Geoinformatics*” on National seminar on Geoinformatics for Natural Resource Evaluation Sponsored by UGC SAP DRS- II, at Department of Geography, Bharathidasan University, Tiruchirappalli on 30 march 2017.
- Co-author of the research paper “*Assessment of Groundwater Quality of Thuraiyur and Musiri Taluks of Tiruchirapalli District, Tamil Nadu*”, presented at the National Seminar on “Hydrology” organized by the Association of Hydrologist of India (AHI) and Centre for Applied Geology, Gandhigram Rural Institute – Deemed University, Gandhigram, Dindigul Dt., Tamil Nadu, held during 11th and 12th December, 2012.
- Co-author of the research paper “*Assessment of Groundwater Quality of Karur District, Tamil Nadu*”, presented at the National Seminar on “Hydrology” organized by the Association of Hydrologist of India (AHI) and Centre for Applied Geology, Gandhigram Rural Institute – Deemed University, Gandhigram, Dindigul Dt., Tamil Nadu, held during 11th and 12th December, 2012.
- Presented a Research Paper “*Identification of Soil erosion Potential Zones in the Puliyanjolai Watershed, Kolli Hills, Namakkal District, Tamil Nadu Using Geospatial Technology*” at the National

Seminar on Geoinformatics for River Basin Studies held at the Department of Geography, School of Geosciences, Bharathidasan University, Tiruchirappalli–24 on 4th March 2012.

- Presented a Research Paper “*A Study of Flood Hazard in Tiruchirappalli Urban Area Using Remote Sensing Data*” at the National Seminar on Frontier Areas of Research and Teaching in Geosciences held at the Department of Geography, School of Geosciences, Bharathidasan University, Tiruchirappalli – 24 on 28th February 2010.
- Presented a Research Paper entitled “*Groundwater Quality and its Suitability for Drinking Use in the Kadavur Watershed of Karur District, Tamil Nadu*” at the National Seminar on HYDROCARE 2007, on 22nd March 2007 at the Department of Earth Sciences, Annamalai University, Annamalainagar - 608002.
- Presented a Research Paper entitled “*Geochemical Characteristics of Groundwater of the Kolli Hills, Namakkal District, Tamil Nadu*” at the National Seminar on HYDROCARE 2007, on 22nd March 2007 at the Department of Earth Sciences, Annamalai University, Annamalainagar - 608002.
- Presented a Research Paper entitled “*Identification of Groundwater Potential Zones of the Kadavur Watershed Using Remote Sensing and GIS*” at the International Conference on “Vision on Rural Water, Life & Environment for the 21st Century” on 30th January 2007 at the Department of Geology, Bharathidasan University, Tiruchirappalli-24.
- Presented a Research Paper entitled “*A Comparative Analysis of Drainage Morphometric Characteristics of two River Basins Developed over Varying Rock Types – A Case Study of Marudhaiyar and Chinnar basins, Central Tamil Nadu*” at the National Conference on “Balancing Competing Water Uses and Management” on 28th March 2003 at the Department of Geology, Bharathidasan University, Tiruchirappalli-24.

6. Trainings Undergone

- Participated in the online training programme on “**Environment and Disaster: Integrated Risk, Resilience and Sustainable Development**” organized by the National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India on 20-24, 2020.
- Participated in the UGC sponsored Refresher course in **Environmental Sciences (ID)**, conducted by UGC – Academic Staff College, Bharathidasan University, and Tiruchirappalli from 10.11.2010 to 30.11.2010 and obtained the grade ‘A’.
- Participated in a Training Programme on “**Water Management**” organized by the Central Ground Water Board, Ministry of Water Resources, Government of India held at the Agricultural Training Institute, Tiruchirappalli on 29th and 30th June, 2005.
- Participated in the Regional Training Programme in “**Environmental Impact Assessment (EIA) and Environmental Management**” organized by the Department of Geology and Environmental Studies of the Christ College, and the Limnological Association of Kerala, Irinjalakuda, Thirissor, Kerala, on 24th and 25th January 2005 at the Christ College, Irinjalakuda, Kerala.
- Participated in the UGC sponsored **Refresher Course on “Geography and Geology**” organized by the Department of Geography and Academic Staff College, Bharathidasan University, Tiruchirappalli from 13.12.2003 to 02.01.2004.
- Participated in the UGC sponsored **Orientation Course for College Teachers** organized by the Academic Staff College, Bharathidasan University, Tiruchirappalli from 12.09.2002 to 16.08.2002.

- Participated in the DST sponsored **training programme on “Landscape System Analysis and Monitoring for Environmental Resource Management”** organized by the Centre for Earth Science Studies, Thiruvananthapuram from 25.12.1999 to 6.1.2000
- Participated in the Workshop on **“Basics of GIS and Image Processing”** conducted by the GIS and Digital Mapping Laboratory of the Department of Geography, University of Madras, Chennai, from 26.3.1997 to 31.3.1997
- Participated in the Workshop on **“Geoscientific Writing”** sponsored by the Association of Geoscientists for International Development (AGID) and the IUGS Commission on Geosciences Education and Training (COGEOED) held in the School of Earth Sciences, Bharathidasan University, Tiruchirappalli from 6.3.1995 to 8.3.1995

e. **Seminars, Conferences, Symposia, Workshops, etc. Attended**

Name of the Seminar / Conference / Symposia / Workshop, etc.	Name of the Sponsoring Agency	Place & Date
Fifth International Conference (of National Association of Geographers, India (NAGI) on “Future Earth Perspectives in South Asia”	NAGI and Bharathidasan University	6 th February 2016, Dept. of Geography, Bharathidasan University, Tiruchirappalli
National Seminar on “Second Green Revolution: Issues and Challenges”	TNSCST	27 th March 2011
One day Workshop on “Challenges ahead in the Groundwater Sector of Tamil Nadu”	CGWB, Government of India	9 th February 2011, Breeze Residency, Tiruchirappalli.
National Workshop on Applications of Micropaleontology in Environmental and Energy Resources Management	TNSCST	Dept. of Geology, National College, Tiruchirappalli, 14 -15 December 2009
National Colloquium on Micropaleontology and Stratigraphy	UGC, DST, MoES, ONGC, CSIR, NIO	Dept. of Geology, National College, Tiruchirappalli, 16 -18 December 2009
Workshop on “Global Environmental Changes and Disaster Mitigation”	UGC	Dept. of Civil Engineering, Periyar Maniammai University, Vallam, Thanjavur, 18 – 19 November 2009
National Conference on “Water and Mineral Resource Information and Environmental Impacts Analysis Using High Resolution Satellite Imageries in the 21 st Century”	DST, MoEN, AICTE, NABARD	Dept. of Earth Science and Industries, Tamil University, Thanjavur, 27-28 March 2008

National Seminar on “Hydrocare”	UGC, CSIR	Dept. of Earth Sciences, Annamalai University, Annamalai Nagar, Chidambaram, 22- 23 March 2007
International Conference on “Vision on Rural Water, Life and Environment”	UGC	Dept. of Geology, Bharathidasan University, Tiruchirappalli 29-31 January 2007
Seventeenth Mid-Year Meeting of the Indian Academy of Sciences, Bangalore	Indian Academy of Sciences	Indian Academy of Sciences, Bangalore, 14-15 July 2006
Annual Conference of the Indian Geographical Society, Chennai	Indian Geographical Society, Chennai	Periyar E.V.R College, Tiruchirappalli, 20-21 January 2006
Seventy First Annual Meeting of the Indian Academy of Sciences, Bangalore as an Invited Teacher participant	Indian Academy of Sciences	Tiruchirappalli, 11-13 November 2005
National Conference on “Balancing Competing Water Uses and Management”	AICTE	Dept. of Geology, Bharathidasan University, Tiruchirappalli 27-29 March 2003

7. As Resource Person in Workshops / Seminars / Refresher Courses

S. No.	Workshop / Seminar Theme	Organising Department/ Institution and date	Topic of the Lecture
1.	Geology Association Meeting	Department of Geology, Government Arts College, Karur (10 th April 2023)	<i>Earthquakes</i>
2.	National Workshop on Popularization of Remote Sensing & GIS in Remote Areas	Indian Society of Remote Sensing (ISRS), Tiruchirappalli Regional Chapter, Bharathidasan University, Tiruchirappalli -23 (27 th July 2019)	<i>Remote Sensing: Processes and Elements</i>
3.	Geography Association Meeting	Department of Geography, Kunthavai Naacchiyaar Govt. Arts College for Women, Thanjavur-613007 (27 th February 2019).	<i>Natural Disasters: Trends</i>
4.	UGC sponsored Orientation Programme for University and College Teachers	Human Resource Development Centre, Bharathidasan University, Tiruchirappalli, Tiruchirappalli-23, (12 th June 2018)	

5.	Regional Level Training on “Disaster Preparedness” for the Government of Tamil Nadu’s Revenue Department Officials from Tiruchirappalli, Ariyalur, Perambalur and Pudukkottai Districts	Revenue and Disaster Management Department, Govt. of Tamil Nadu. (27 th & 28 th March 2018)	<i>Disaster Management Preparedness</i>
6.	National Workshop on GIS Modelling	Department of Geography Bharathidasan University, Tiruchirappalli -23 (13 th March 2018)	<i>Quantitative Stream Network Analysis and GIS</i>
7.	National Seminar on Geoinformatics for Natural Resources Evaluation	Department of Geography Bharathidasan University, Tiruchirappalli -23 (30 th March 2017)	<i>Drainage Morphometry and Geoinformatics</i>
8.	National workshop on Geoinformatics for Watershed Management	Department of Geography Bharathidasan University, Tiruchirappalli -23 (28 th January 2017)	<i>Principles of Watershed Management</i>
9.	National workshop on Geoinformatics and its Applications in Natural Resource Management	Dept. of Geography, Periyar EVR College, Tiruchirappalli (25 th September 2014)	<i>Applications of Geoinformatics on Natural Disaster Management</i>
10.	UGC Sponsored Refresher Course on Geosciences	Academic Staff College, Bharathidasan University, Tiruchirappalli -23 (13.02.2013)	<i>Natural Disasters: Trends</i>
11.	Awareness Programme on “Popularisation of Earth Sciences”, sponsored by the Ministry of Earth Sciences	Department of Geology, Alagappa Govt. Arts College Karaikudi – 3 (11 th February 2012)	<i>Applications of Remote Sensing Techniques in Geosciences</i>
12.	Special Lecture to B.E Civil Engineering Students	M.A.M. College of Engineering, Siruganur, Tiruchirappalli – 105 (30 th September 2011)	<i>Remote Sensing for Civil Engineers</i>
13.	Inaugural function of the Zoology Association Meeting	Dept. of Zoology, Holy Cross College, Tiruchirappalli, 5.7.2011	<i>Disaster Management</i>
14.	Special Training Course on “Disaster Risk Management” for Middle Level and Junior Level Officers of PWD, Trichy Region	Staff Training Institute, PWD, Mannarpuram, Tiruchirappalli (23 rd June 2011)	<i>Overview of Disaster Risk Management</i>

15.	Invited Lecture Series	Dept. of Environmental Management, School of Environmental Sciences, Bharathidasan University. Tiruchirappalli (12 th January 2011)	<i>Disaster Management</i>
16.	Special Training Course on “Disaster Risk Management” for Senior Level Officers of PWD	Staff Training Institute, PWD, Mannarpuram, Tiruchirappalli (22 nd July 2009)	<i>Earthquake Disaster Management</i>
17.	CSIR sponsored National Workshop on “GIS for Natural Resources and Disaster Management”	Dept. of Geography, Bharathidasan University. Tiruchirappalli (4 th March 2008)	<i>GIS for Forest Resources Management</i>
18.	Zoology Association Meeting	Dept. of Zoology, National College, Tiruchirappalli (14 th February 2007)	<i>The Solar System</i>
19.	State Level Workshop on “Recent Trends in Geographical Remote Sensing and GIS”	Dept. of Geography, Periyar EVR College, Tiruchirappalli (22 nd – 24 th March 2005)	<i>Remote Sensing and GIS for Natural Disasters Management</i>
20.	Workshop on “Remote Sensing for Environmental Studies”	Dept. of Geography, Bharathidasan University Tiruchirappalli (25 th February 2005)	<i>Remote Sensing and GIS for Natural Disaster Management</i>
21.	Seminar on “Remote Sensing and its Applications”	Dept. of Physics (Evening College), Holy Cross College, Tiruchirappalli (6 th December 2004)	<i>Remote Sensing for Natural Disasters Management</i>
22.	Lecture Series on “Remote Sensing and GIS for Natural Disaster Management”	Dept. of Environmental Sciences, Bishop Heber College, Tiruchirappalli (9 th October 2004)	<i>Remote Sensing and GIS for Earthquake and Volcano disasters management</i>
23.	Workshop on “Environmental Studies”	Shrimati Indira Gandhi College, Tiruchirappalli (10 th – 11 th March 2004)	<i>1. Natural Resources 2. Natural Disasters</i>
24.	Workshop on “Resources Mapping Using Remote Sensing, GIS and GPS”	Dept. of Geography, Bharathidasan University. Tiruchirappalli (13 th February 2004)	<i>1. Remote Sensing: An Overview 2. Remote Sensing for Natural Disaster Management</i>
25.	Workshop on “Environmental Studies”	Council for College and Curriculum Development (CCCD), Bharathidasan University, Tiruchirappalli (10 th January 2004)	<i>Natural Disaster Management</i>

8. Other Relevant Information

- **Expert Member**, District Environment Impact Assessment Authority (DEIAA), Ariyalur District (for the period 2017-2020).
- **Subject Expert** of the Bharathidasan University's Expert Committee, to inspect the Department of Geology, Sir Issac Newton's College of Arts and Science, Nagapattinam, on 5th February 2019, for ensuring the fulfilment of the conditions laid by Bharathidasan University for the B.Sc. Geology course started on 2018-2019.
- Attended District Level Environmental Impact Assessment Authority (DEIAA) meeting (as an Expert Member of the DEIAA) at Ariyalur on 9th July 2018 under the Chairperson of Ariyalur District Collector to consider and grant environmental clearance for mining minor minerals of the applicants.
- **Subject Expert** of the Bharathidasan University's Expert Committee to evaluate the existence of necessary infrastructure facilities (Library, Class room, faculty, etc.) for granting temporary permission towards starting B.Sc. Geology programme at Sir Issac Newton Arts and Science College, Nagapattinam on 2018 May.
- Served as a **Question Paper Setter for TNPSC Examinations** on November 2018
- **Chaired a technical session** (6B – Resource Base and Utilisation Patterns) on 6th February 2016, in the **V International Conference** (of National Association of Geographers, India (NAGI) **on Future Earth Perspectives in South Asia**, organized by the Department of Geography, Bharathidasan University, Tiruchirappalli during 5th and 7th February 2016.

9. Membership in Societies

- Annual Member of the *Association of Hydrologists of India* (Membership no. AHI-LM-316-609) since July 2007.