



Dr. T. KONGESWARAN
ADJUNCT FACULTY

Contact

Address : Department of Geology
MIS Building, I-Floor, Room No. F4
Science Campus, Alagappa University
Karaikudi – 630 003, Tamil Nadu, INDIA

Contact Phone (Mobile) : +91 9962780087

Contact e-mail(s) : kongesgeo@gmail.com, drtkgeo@gmail.com

Academic Qualifications: M.Sc., DCM., ADPP., Ph.D

Degree	Institution	Year	Branch	Class
Ph. D	Alagappa University	February 2019	Geology	Awarded
M.Sc	Bharathidasan University	May 2010	Geoinformatics	First Class
B.Sc	Madurai Kamaraj University	November 2005	Geology	First Class

Teaching Experience

Total Teaching Experience : 5 Years

Position	Institution	Duration
Teaching Assistant	Department of Geology, Alagappa University	August 2019 – Till date

Research Experience

Total Research Experience :14 Years

Position	Institution / University	Duration
Ph.D., Research Scholar	Alagappa University	November 2013-February 2019
Project Fellow	Alagappa University	August 2011-December 2014
Project Scientist	Institute of Environmental Management and Sustainable Development, Jodthpur, Rajasthan	September 2010-June 2011

Areas of Research

- ☒ Remote sensing and GIS
- ☒ Geomorphology
- ☒ Disaster Management
- ☒ Hydrogeology
- ☒ Environmental studies

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Project	PG	27	8

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
15	-	4	-	6

Cumulative Impact Factor (as per JCR) :13.4

h-index :05

i10 index :01

Total Citations :89

Number of Seminars / Conferences / Workshops / Events organized:

Events organized in leading roles

Position	Programme	Duration	Institution
Organizing Member	International Symposium on “Recent Trends in Geological Sciences” ISRTGS-2024	27-02-2024	Department of Geology, Alagappa University, Karaikudi
Workshop committee Member	“Late Quaternary Palaeoclimate and Evolving Hypothesis”	7 January, 2019.	Department of Geology, Alagappa University, Karaikudi
Conference committee Member	“Conservation and Sustainable development of Marine resources”	22nd & 23rd, March 2018.	DOCAS, Alagappa University, Karaikudi

Conferences Participated

Number of Conferences / Seminars / Workshops:

1. Participated in the **International Symposium on Advances in Laboratory Tehniques for Biomedical Applications held on 31” January 2024** at Department of Biomedical Science, Alagappa University, Karaikudi, Tamil Nadu.
2. Participated in the **National Workshop on Late Quaternary Paleoclimate and Evolving Hypothesis held on 7th January 2019** at Department of Geology, Alagappa University, Karaikudi, Tamil Nadu.
3. Participated in the **National Workshop on Geospatial Technology in Coastal studies (GSTCS-2016), held on 12th& 13th February, 2016** at Department of Oceanography and Coastal Area Studies, Alagappa University, Thondi Campus, Tamil Nadu.
4. Participated in the **State level seminar on Exploring Marine Resources, held on 19th February, 2016**, Organized by Department of Oceanography and Coastal Area Studies, Alagappa University, Thondi Campus, Tamil Nadu.
5. Participated in the **State level seminar on Sensitive Coastal Ecosystems, held on 11th December, 2015**, Organized by Department of Oceanography and Coastal Area Studies, Alagappa University, Thondi Campus, Tamil Nadu.

6. Participated in the **National level Training Programme on Comprehensive Landslide Management, held on 21st& 25th July, 2014**, Organized by Department of Earth Sciences, Annamalai University, Annamalainagar, Chidambaram, Tamil Nadu.
7. Participated in the **National seminar Recent perspectives on Lakes, Rivers & Coastal wetlands (Larco-2013), held on 24th& 25th March, 2013**, Organized by Department of Earth Sciences, Annamalai University, Annamalainagar, Chidambaram, Tamil Nadu.

Conference Proceeding/ Abstract Volume

1. Muthuramalingam Rajendran, Prabakaran Kulandaisamy, Venkatramanan Senapathi, **Kongeswaran Thangaraj**, and Sathish Sugumaran (2024). International Conference on Climate change and environmental sustainability (CCES-2024), 24th & 25th January, 2024. ISSN: 2321-5259 (online).
2. Bangarupriyanga Sundaram, Prabakaran Kulandaisamy, Venkatramanan Senapathi, Perumal Velmayil, **Kongeswaran Thangaraj (2024)** Heavy Metal Toxicity Potential Examine In Beach Sediments From Southern Coast of Tamilnadu, India, International Conference on Climate change and environmental sustainability (CCES-2024), 24th & 25th January, 2024. ISSN: 2321-5259 (online).
3. Prabakaran Kulandaisamy, Bangarupriyanga Sundaram, Perumal Velmayil, Venkatramanan Senapathi, **Kongeswaran Thangaraj**, Sathish Sugumaran, Ajitha (2023). Textural Characteristics and Geochemical Investigation of Beach Sediments of Rameswaram Island Tamil Nadu, India. 39th Convention of the Indian Association of Sedimentologists & International Conference on "Voyage of Sedimentology from the Mountains to the Oceans: An Innovative Trajectory," from the 6th to the 8th of December 2023", taking place at the Department of Earth Sciences, Annamalai University, Tamil Nadu, INDIA.
4. **Kongeswaran. T**, Prabakaran. K, Muneeswari. M, Perumal. V, Venkatramanan. S, Sivakumar.K, Muthuramalingam. R and Muruganantham (2023) Assessing Microplastics characteristics of beach Sediments from Kodiyakarai to Sundarapandian pattinam, south east coast of Tamilnadu, India" 39th Convention of the Indian Association of Sedimentologists & International Conference on "Voyage of Sedimentology from the Mountains to the Oceans: An Innovative Trajectory," from the 6th to the 8th of December 2023", taking place at the Department of Earth Sciences, Annamalai University, Tamil Nadu, INDIA.
5. Perumal Velmayil, Prabakaran Kulandaisamy, Udayanapillai Alagaiah Venu, **Kongeswaran Thangaraj**, Venkatramanan Senapathi and Praneshwar Sekar, (2023) Nature and Geochemical Implications of Teri sand at Muttom Coastal dune, Kanyakumari District, Tamilnadu (2023). 39th Convention of the Indian Association of Sedimentologists & International Conference on "Voyage of Sedimentology from the Mountains to the Oceans: An Innovative Trajectory," from the 6th to the 8th of December 2023", taking place at the Department of Earth Sciences, Annamalai University, Tamil Nadu, INDIA.
6. Agastheswaran V, Udhayaganesan P, Venkatramanan S, Sivakumar K, **Kongeswaran T** (2022) Potable groundwater zone identification using DWQI in

Karaikudi Tamilnadu, India, Conference proceeding International Seminar on “Computational Environmental Earth Science” (CEES 2020). **ISBN No: 978-93-5406-711-2**

7. Muruganantham A, Karikalan R, Prabakaran K, Sivakumar **K, Kongeswaran T** (2022) a study on hydro geochemical analysis for groundwater suitability in entire Pudukkottai district, Tamilnadu, India, Conference proceeding International Seminar on “Computational Environmental Earth Science” (CEES 2020). **ISBN No: 978-93-5406-711-2**
8. S. Bangaru Priyanga, R. Karikalan, K. Prabakaran, V. Perumal, **T. Kongeswaran** (2022) Textural Classification of Sediments and Influence of Geomorphological Aspects in Vembar Coastal Region, Gulf of Mannar, Southern Tamilnadu, Conference proceeding International Seminar on “Computational Environmental Earth Science” (CEES 2020). **ISBN No: 978-93-5406-711-2**
9. **T. Kongeswaran** and R. Karikalan (2017). A Study of Coastal Geomorphological features Changes in Part of East Coast from Cuddalore to Nagapattinam, Tamil Nadu using Remote Sensing & GIS Techniques, Geospatial Technologies for Rural Development. **ISBN: 978-81-933316-3-7, 139-143.**

Membership

IAHS (International Association of Hydrological Sciences)- Membership Number: 20154

List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1	Kongeswaran Thangaraj , Sivakumar Karthikeyan, Muthuramalingam Rajendran and Muruganantham Arumugam (2024) Geospatial techniques to determine Coastal geomorphology changes along the Cuddalore and Nagapattinam coast, Tamil Nadu, India, Disaster Advances, Vol.17 (4) pp. 18-24. Doi.org/10.25303/174da018024.	0.32
2	Kongeswaran, T. , Sivakumar, K., Muruganantham, A., Prabakaran, K., Perumal, V., Agastheeswaran, V.,1 Bangaru Priyanga, S. and Muthuramalingam, R. (2023) Hydrogeochemical Evaluation of Groundwater for Drinking and Irrigation Purposes in Avudaiyarkoil Block, Pudukkottai District, Tamil Nadu, India, Asian Journal of Water, Environment and Pollution, Vol. 20, No. 4 (2023), pp. 69-78. DOI 10.3233/AJW230053.	0.54
3	Kongeswaran.T , Muthuramalingam. R, Sivakumar. K, Venkatramanan. S, Muruganantham. A, Bangaru Priyanga.S and Chandramohan. S (2023) Study of Palaeoclimate Reconstruction Using Sediments and Micropaleontology in the	0.6

	Karankadu Estuary, Ramanathapuram District, Tamil Nadu, India, Journal of Climate Change, vol. 9, no. 2, pp. 17-29, 2023. DOI: 10.3233/JCC230012.	
4	Muruganantham A, Prabakaran K, Sivakumar K, Kongeswaran T , Venkatramanan S, Sang Yong Chung, Subagunasekar M, Muthuramalingam R, Sathish S, and Siva M. (2023) An Assessment of Geospatial Analysis Combined with AHP Techniques to Identify Groundwater Potential Zones in the Pudukkottai District, Tamil Nadu, India. Water 15, no. 6, 1101.	3.530
5	Muruganantham Arumugam, Sivakumar Karthikeyan, Prabakaran Kulandaisamy, Kongeswaran Thangaraj , Venkatramanan Senapathi, Bangaru Priyanga Sundaram, Agastheeswaran Vellaikannu, Perumal Velmayil (2022) Role of GIS in deciphering hydrogeochemical processes and quality in Pudukkottai district, Tamil Nadu, India, Environmental Earth Sciences, 81: 445, https://doi.org/10.1007/s12665-022-10552-0 .	3.119
6	Sivakumar K, Prabakaran K, Venkatramanan S, Kongeswaran T , Muruganantham A, Selvam S, Paramasivam CR (2022) Issues of coastal groundwater contamination, Groundwater Contamination in Coastal Aquifers Assessment and Management, https://doi.org/10.1016/B978-0-12-824387-9.00019-0 .	-
7	Karthikeyan Sivakumar, Prabakaran Kulandaisamy, Venkatramanan Senapathi, Sang Yong Chung, Kongeswaran Thangaraj , Muruganantham Arumugam, Sathish Sugumaran, and Sung Ho-Na. (2022) Hydrogeochemical Survey along the Northern Coastal Region of Ramanathapuram District, Tamilnadu, India. Applied Sciences 12, no. 1, 5595.	2.838
8	Premkumar, M., Kongeswaran, T. , Sivakumar, K., Muruganantham, A., Muthuramalingam, R., Chandramohan, S., & 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.	0.6
9	Sivakumar, K, Prabakaran, K, Saravanan, P.K, Muthusamy, S., Kongeswaran, T. , Muruganantham, A., Gnanachandrasamy, G. (2022). Agriculture Drought Management in Ramanathapuram District of Tamil Nadu, India. J. Clim. Chang., 8, 59–65	0.6
10	Kongeswaran T and Sivakumar K (2021) Assessment of Shoreline Positional Uncertainty Using Remote Sensing and GIS Techniques: A Case Study from East Coast of India, Journal of the Geographical Institute "Jovan Cvijic", SASA 2021 Volume 71, Issue 3, Pages: 249-263, https://doi.org/10.2298/IJGI2103249T .	0.32
11	Kongeswaran T and Sivakumar K (2021) Application of remote sensing and GIS in	-

	floodwater harvesting for groundwater development in the upper delta of Cauvery River Basin, Southern India, Water Resources Management and Sustainability, Advances in Geographical and Environmental Sciences, https://doi.org/10.1007/978-981-16-6573-8_14 .	
12	Muruganantham A, Sivakumar K, Kongeswaran T , Prabakaran K, Bangaru Priyanga S, Karikalan R, Agastheeswaran V and Perumal V (2021) Hydrogeochemical Analysis for Groundwater Suitability Appraisal in1. Sivagangai, an Economically Backward District of Tamil Nadu, Journal of the Geological Society of India, Vol.97, pp.789-798.	1.613
13	T. Kongeswaran and R. Karikalan (2021). A study on the evolution of Coastal Geomorphology between Rameshwaram and Kilakkarai, East Coast of India, Indian Journal of Geo Marine Sciences, Vol. 50 (01), January 2021, pp. 67-70.	0.6
14	Kongeswaran T and Karikalan R (2019). Assessment of Shoreline changes between Cuddalore and Nagapattinam coast, East Coast of Tamilnadu, India using Geospatial Techniques, Disaster Advances, Vol.12(2) February (2019), pp 28-36.	0.32
15	T. Kongeswaran (2016). Natural and Anthropogenic Threats to Coral Reefs, E-magazine-Bulletin-OCAS, December- 2016.	-
16	T. Kongeswaran and R. Karikalan (2016). Mapping of shoreline changes in between Devipattinam and Kilakkarai, Tamilnadu, Southeast Coast of India. Journal of Ocean Sciences, Volume-II, December-2016, pp12-19.	-
17	T. Kongeswaran and R. Karikalan (2016). Land use and land cover changes in the Gulf of Mannar using GIS Techniques, Journal of Ocean Sciences, Volume-I, June-2016, pp8-15.	-
18	R. Karikalan and T. Kongeswaran (2015). Morphological Changes Caused by Post-Tsunami in the Region of Nagapattinam Coast, Tamilnadu, East Coast of India, J. Adv. Res. Geo. Sci. Rem. Sens.2 (3&4), 85-93.	-
19	T. Kongeswaran and R.Karikalan (2015). Studies on Remote sensing and Geographical Information System Applications on Coastal Geomorphological Landforms from Porto nova to Coleroon River Mouth, South Arcot, Tamilnadu, East coast of India, International Journal of Geomatics and Geosciences, Volume 5, No 4, 544-554.	-

Book Chapter

Book: Issues of Coastal Groundwater Contamination, “**Chapter-** Groundwater Contamination in Coastal Aquifers” Sivakumar Karthikeyan, Prabakaran Kulandaisamy, Venkatramanan Senapathi, **Kongeswaran Thangaraj**, & Muruganantham Arumugam. **Publisher:** Elsevier (2022) pp.9-18.

List of Book Publications

S. No	Authors/Title of the paper/Journal	Publisher & ISBN
1	Geomatics in Flood Harvesting and Management in Part of Tiruchirappalli	LAP LAMBERT ACADEMIC PUBLISHING 978-620-5-49899-6
2	Coral reef Remote Sensing & GIS in Gulf of Mannar - A Guide of Mapping, Monitoring and Management	Scholar's Press 978-613-8-97201-3
3	Coastal Landforms & Shoreline Changes In Point Calimere Coast, India	Scholar's Press 978-620-5-52046-8.
4	Spit evolution & Shoreline changes in Manamelkudi, East coast of India.	LAP LAMBERT ACADEMIC PUBLISHING. 978-620-5-52543-2
5	Impact of Tsunami on Coastal Landforms in Nagapattinam Coast, India	LAP LAMBERT ACADEMIC PUBLISHING 978-620-5-52652-1

Dr.T.KONGESWARAN
ADJUNCT FACULTY