



**Dr. A. V. UDAYANAPILLAI**

**Adjunct Faculty**

### Contact

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### Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph. D	Mysore University	1996	Micropalaeontology- Geology	Highly Commended
M. Sc	V.O. Chidambaram College, M.K University, Madurai	1983	Geology	I, 2 <sup>nd</sup> rank
B. Sc	Kamaraj University, Madurai	1981	Geology	I, 2 <sup>nd</sup> rank

### Teaching Experience

Total Teaching Experience : 36 Years

Position	Institution	Duration
Adjunct Faculty	Dept of Geology, Alagappa University, Karaikudi	2022 – Till Date
Visiting Fellow / Professor	Dept of Geology, Alagappa university, Karaikudi	2018-19, 2021-22
Head of the Dept. of Geology	V.O. Chidambaram, College, Thoothukudi	2016 – 2018 ( Rtd. on 30-04-2018)
Associate Professor	V.O. Chidambaram, College, Thoothukudi	2000-2016
Selection Grade Lecturer	V.O. Chidambaram, College, Thoothukudi	May 1999 - 2000
Senior Lecturer	V.O. Chidambaram, College, Thoothukudi	1994-1999
Lecturer	V.O. Chidambaram, College, Thoothukudi	1986-1994

## Research Experience

Total Research Experience : 40 Years

## Areas of Research

- Petrology,
- Sedimentology,
- Geochemistry,
- Palaeontology, Micro Paleontology
- Palaeoclimate studies

## Research Supervision/Guidance

Program of Study		Completed
Project	Ph.D	4
	M.Phil	4
	PG	38+2 UGC Minor Research Project-2 lakhs

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
25	-	15		3

Cumulative Impact Factor(as per JCR) : 14.238

h-index : 6

i10 index : 3

Total Citations : 77

## Distinctive Achievements / Awards

- Youth Red Cross Programme office **2004-2018** and .Indian Red Cross society Member, Thoothukudi Branch.
- Best N.S.S programme Officer Award for Tamilnadu State level for the Year **2002-2003**.
- Best N.S.S Programme Officer award for University level for the year **2001-2002**.
- **Awarded Young Scientist Fellowship:** Tamilnadu State Council for Science & Technology– 1996

**Number of Seminars /Conferences /Workshops/ Events organized:**

Position	Programme	Duration	Institution
Organizing member	“Recent Trends in Geological Sciences”	27-02-2024	Department of Geology, Alagappa University, Karaikudi.
Committee Member	“Late Quaternary Palaeoclimate and Evolving Hypothesis”	7 January, 2019.	Department of Geology, Alagappa University, Karaikudi
Organizing Secretary	“Sediment Geochemistry And Career Orientation For Geologist”	1&2 March 2018	V.O.Chidambaram College, Thoothukudi
Organizing Secretary	“Mineral Exploration”	15th December 2017	V.O.Chidambaram College, Thoothukudi

**Events Participated****Number of Conferences/Seminars/Workshops:**

1. **Participated a Workshop on “Petroleum Exploration”** Sponsored by **Oil and Natural Gas Corporation, Chennai**, Organized by the Department of Geology, **V.O.C. College, Tuticorin. Held on 11and 12 December 2015.**
2. **Participated Workshop** on “Petroleum Exploration” held on **26<sup>th</sup>& 27<sup>th</sup> October 2009**, Sponsored by **Oil and Natural Gas Corporation, Chennai**, Organized by the Department of Geology, **V.O.C. College, Tuticorin.**
3. **Participated International seminar** on Quaternary Sea level variation, Shoreline Displacement and Coastal environment, **20th to 26th January 1997** conducted by **Tamil University**
4. **Participated National seminar** on “Neotectonic Movement and their Geo-environmental impacts (NET MOGEI) - **27-28th December 1996 - Mysore University, Mysore.**
5. **Participated XVII “Indian Colloquium** on Micropaleontology and Stratigraphy” held at **Vikram University Ujjain, MP from 27th - 29th January 2000.**
6. **Participated XXII Indian Colloquium** on Micropaleontology and Stratigraphy held at **National College Trichy from 16th - 18th December 2009.**
7. **Participated National Seminar** on “Sustainability and Conservation of Coastal Resources and Ecology” conducted by **M.S. University, Tirunelveli held from 17th and 18th July 2009.**
8. **Participated and presented paper in national seminar** on “Sediments and Sedimentary Rocks: Resource Potential, Depositional Processes, Implications to Ecosystem and Environmental Changes” held from **20th and 22nd December 2012**, at Centre for XXIX Convention of **Indian Association of Sedimentologists (IAS - 2012)**, Pondicherry University, Pondicherry.

## List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1	M. Senthappan, V. Stephen Pitchaimani, <b>A.V. Udayanapillai</b> , Perumal Velmayil, Bangaru priyanga Sundaram, G. Ramalingam, and John S. Armstrong-Altrin 2023. Petrography and geochemistry of the Upper Cretaceous Gryphaea Limestones, Kallankurichi Formation, Ariyalur Group, Trichinopoly, Southern India: Implication for palaeoenvironment, Journal Indian Association of Sedimentologists, Vol. 40(2). pp. 14-26, <a href="https://doi.org/10.51710/jias.v40iII.309">https://doi.org/10.51710/jias.v40iII.309</a> .	
2	<b>Udayanapillai Alagaiah Venu</b> , Perumal Velmayil, John Selvamony Armstrong-Altrin, Alcides Sial, Satyanarayanan Manavalan (2022). Geochemical and stable isotope ( $\delta^{13}\text{C}$ & $\delta^{18}\text{O}$ ) signatures of Calcrete in and around Pandalgudi, Southern Tamilnadu, India and its implications on Palaeoclimate. Arabian Journal of Geosciences 15(913): 1-19. <a href="https://doi.org/10.1007/s12517-022-10134-1">https://doi.org/10.1007/s12517-022-10134-1</a> .	1.950.
3	Perumal Velmayil, <b>Udayanapillai AlagaiahVenu</b> , Kuttalingam U, Bangaru priyanga Sundaram (2022). Hydro-geochemical studies of Groundwater in Sathankulam region, Southern Tamilnadu, India, journal of Modeling Earth Systems and Environment, <a href="https://doi.org/10.1007/s40808-022-01515-2">https://doi.org/10.1007/s40808-022-01515-2</a> .	3.200.
4	<b>Udayanapillai A.V</b> and Perumal Velmayil (2021). Texture, mineralogy and geochemistry of Teri sediments from the Kuthiraimozhi deposit, Southern Tamilnadu, India: implications on provenance, weathering and palaeoclimate, Arabian Journal of Geosciences, Vol. 14(5), pp.1-15. <a href="https://doi.org/10.1007/s12517-021-06549-x">https://doi.org/10.1007/s12517-021-06549-x</a> .	1.950.
5	<b>Perumal Velmayil</b> and Udayanapillai A.V (2020). Calcrete profiles in Puthukulam quarry section, Sathankulam region, Southern Tamilnadu, India: implications on palaeoclimate significance, Journal of Sedimentary Environments, Vol. 5(4), pp.493-503. <a href="https://doi.org/10.1007/s43217-020-00029-0">https://doi.org/10.1007/s43217-020-00029-0</a> .	1.300.
6	<b>Udayanapillai A.V</b> Perumal Velmayil and John S. Armstrong-Altrin (2020). Provenance, Weathering, Tectonic setting and Palaeo-oxygenation condition of the Cretaceous Calcareous Grey Shale (CGS) from the Kallakudi Dalmia Limestone Quarry No:II, Uttatur group, Trichinopoly, Tamilnadu, India. Himalayan Geology, Vol. 41 (1), pp. 11-20.	1.311.
7	Perumal Velmayil and <b>Udayanapillai A.V</b> (2019). Micromorphology and major element geochemistry of calcretes in the Thoppukulam mine section, Sathankulam region, Southern Tamil Nadu, India: implications on depositional environment. Arabian Journal of Geosciences, Vol. 12(385), pp.1-12. <a href="https://doi.org/10.1007/s12517-019-4544-4">https://doi.org/10.1007/s12517-019-4544-4</a> .	1.950.
8	Perumal Velmayil, <b>Udayanapillai A.V</b> , John S. Armstrong-Altrin and Satyanarayanan M(2016) "Major element geochemistry and depositional environment of Regolith calcrete deposit of Nedungkulam village, near Sathankulam area Tuticorin district, Tamilnadu, India". <b>OUTREACH Vol. IX, pp. 307 - 313.</b>	

9	Perumal Velmayil, <b>Udayanapillai A.V</b> , John S. Armstrong-Altrin and Satyanarayanan. M (2015) "Micromorphology and GIS based Evaluation of Major Element Geochemistry of Calcrete Deposits in and around Nedungulam village, near Sathankulam, Tuticorin District, Southern Tamilnadu, India" Published a paper in <b>International Journal of Frontier Geoscience, American V-King Scientific Publication, Vol-3 Issue-2, 2015, pp. 11-19.</b>	
10	<b>Udayanapillai A.V</b> , Perumal Velmayil, John S. Armstrong-Altrin and Satyanarayanan M.(2016) " Micromorphology, Geochemistry and Spatial evaluation of Calcrete Deposits in and Around Sathankulam, Tuticorin District, Tamilnadu, India". <b>Published a paper in the Journal of Gondwana Geological Society, Nagpur, India. Vol. 1, No.2, pp.111-119.</b>	
11	Perumal Velmayil and <b>Udayanapillai. A.V.(2015)</b> "Petro-Mineralogy and Major Elements Geochemistry of Regolith profile of Calcrete deposits at Pandalgudi, Viruthunagar District, Tamilnadu, INDIA". <b>Published a paper in International Research Journal of Earth Science (ISCA-IRJES)-2015-039.</b>	
12	<b>Udayanapillai A. V.</b> , Perumal Velmayil, Thirugnanasambandam R, Venkatraman P and Thangavel M (2015) "Study of Micro-morphology, Major element geochemistry and Palaeoclimatic implications of calcrete deposits at Salukkuvarpatti village, near Pandalgudi, Viruthunagar District, Tamilnadu, India" <b>Published a paper in Journal of Applied Geochemistry, ISSN 0972-1967.Vol-17, pp.421-431.</b>	
13	<b>Udayanapillai A.V</b> , Thirugnansambandam R, Venkataraman P, Thangavel M, Kaliasammal M, Perumal Velmayil and Amar Kumar Dash., (2014). "GIS based evaluation of major element geochemistry of calcrete deposit in and around Sivalarpatti village, near Pandalgudi, Viruthunagar District, Tamilnadu, India". <b>Journal of outreach, Vol. VII, pp. (136 - 141).</b>	
14	<b>Udayanapillai. A.V</b> , Venkataraman. P, Jayaranjeetham. J, Perumal Velmayil (2012) "Geochemistry of Groundwater in and around Vilathikulam and Ottapidaram Taluks, Thoothukudi District, Tamilnadu, India". <b>Journal of Outreach, ISSN: 09751246. Vol-V, pp.113-116.</b>	
15	Perumal Velmayil, <b>Udayanapillai Alagaiah Venu</b> , John Selvamony Armstrong Altrin, Alcides Sial, Satyanarayanan Manavalan (2022). Palaeo-environmental reconstruction of pedogenic Calcretes in Sathankulam, Southern India: an integrated approach. Acceptance in <b>Journal of Earth System Science</b>	
16	<b>Udayanapillai A.V.</b> , Chandrasekar N., Nayaz Ahamed Shareef (1987). Sedimentary patterns of foraminifera in the saltmarsh area of Tuticorin XIV convention of Ind. Asso. Sedimentologist (Abst.) P. 74.	
17	<b>Udayanapillai A.V.</b> , Nayaz Ahmed Shareef (1993) Study of foraminiferal population in and around Fresh water Island, Gulf of Mannar, IX Convention of Ind. Geol. Congress on Oct. 5-7, organized by Dept. of Industries & Earth Sciences, Tamil University, (Abst. ) p79.	
18	<b>Udayanapillai A.V.</b> , (1993) Preliminary studies on the distribution of Carbonate content and organic carbon in the sediments of Kariyasuili Island and Fresh water Island. 10th Convention of Ind. Asso. Of Sedimentologist, Karnatak University (Abst.).	

19	<b>Udayanapillai A.V.</b> ,Nayaz Ahmed Shareef., (1994). Sedimento-Micropalaeontological study around Salt water Island- Gulf of Mannar, Colloquium on Micropal and stratigraphy, Madras University (Abst.).	
20	<b>Udayanapillai A.V.</b> ,Nayaz Ahmed Shareef (1995) Foraminifera from the Van Island Gulf of Mannar, India South Asia Geologist Cong. Held at Colombo, Srilanka (Abst.)	
21	Chandrasekar N., Karthikeyan M., <b>Udayanapillai A.V</b> and Rajamanickam G.V (1997) "Neogene-Quaternary formation around Sathankulam, Southern Tamilnadu" In: Quaternary Geology of South Asia (Eds.) H.A. Raza, Mohanadoss, D., and Hema Achyuthan, Anna University, Chennai, pp 52-53.	
22	Chandrasekar N., Sivakumar V., <b>Udayanapillai A.V</b> and Rajamanickam G.V (1998). Heavy Metal concentration in Saltmarsh Sediments of Tuticorin, Tamilnadu, Jour Ind. Asso. Sedimentologist Vol. 17, No.2, pp 245-250.	
23	<b>Udayanapillai A.V.</b> , (1998), Study on grain size distribution of beach sands of Tondi coast, Tamilnadu, Seminar on Quat. Landscape of Ind. Sub-continent, M.S. University (Abst.) p-22.	
24	Vetharoy D., Chandrasekar N., Kumaresan S., <b>Udayanapillai A.V</b> and Rajamanickam G.V., (1999). Distribution of Calcium Carbonate and Organic carbon in the Tamiraparan deltaic sediments, Jour. ECO and Environment, 17 (4): pp 885-885.	
25	<b>Udayanapillai A.V.</b> ,Nayaz Ahmed Shareef (2000): Recent Foraminifera from shore sand of Kariyasulli and Van Islands, Gulf of Mannar, East coast of India, XVII Ind. Colloq on Micropaleo & Stratigraphy, held on 27-29 Jan.2000 (Abst.) accepted.	
26	<b>Udayanapillai A. V.</b> ,Sornadurai Kannan G., Suganya M., Perumalsamy C and Chandrasekar (2005). "Sedimentary pattern in Foraminifera in the salt marsh area of Tuticorin Coast- Tamilnadu- published in Aquameet 2005 Jan 20-22, Proceedings of National Seminar on Rejuvenation and Reclamation of Coral reef in Gulf of Mannar, pp 123-136.	
27	<b>Udayanapillai A.V.</b> , Sornadurai Kannan G., Suganya M., and Perumalsamy C., (2005)" Textural characteristic of Beach Sediments of Tuticorin coast Tamilnadu" Published in Aquameet 2005, Jan 20-22, Proceeding of National Seminar and Rejuvenation and Reclamation of Coral reef in Gulf of Mannar, pp 137-142.	
28	<b>Udayanapillai A.V.</b> , Sornadurai Kannan G and Perumalsamy C (2005). Studies on Petro mineralogical Characters and Palaeogeological Implication on Cretaceous outcrops of Trichinopoly district, Tamilnadu" submitted to Indian Journal of Earth Science, Calcutta.	
29	<b>Udayanapillai A.V.</b> ,Maragathasundaram S & Karthikkumar (2006), Study of Textural Characteristic and Distribution of Organic carbon and "Calcium carbonate content from the surface sediments of Upparuodai (Tidal inlets) of Tuticorin Coast - Gulf of Mannar". Submitted to Journal of chemistry and Environment, Indore.	
30	<b>Udayanapillai A.V.</b> , Nellaiappan S and Manimaran G.,(2008) Hydrogeochemical Studies of Groundwater in Kezhaseithalai village, 'Ottapidaram Taluk, Thoothukudi district- Tamilnadu' To be submitted to journal of Geological Society, Bangalore.	

31	<b>Udayanapillai A.V.</b> , Manimaran G., Nellaiappan S (2008) Fluoride rice Groundwater and its impact on human health at Kelaseithalai, Thoothukudi district of Tamil Nadu, Jour. Of Outreach, pp-76-79.	
32	<b>Udayanapillai A.V.</b> , and Manimaran G. (2008) "Discovery of Petrified Dinosaur Remain from Therani Formation of Upper Gondwana Age, Perambalur District, Tamil Nadu, South India" Jour. Of Outreach, volume II pp-54-60.	
33	Ramanujam., Antony Ravidnran., Kannan, Baby MeenaLosini and <b>A. V.UdayanaPillai.</b> , 2008 "Resistivity Tomographic imaging Study of some landslides in Ooty area, Nilgris District, Tamilnadu. Indian landslidesVol.1no2, November, 2008.	
34	<b>Udayanapillai A.V.</b> , Antony Ravindran A., Manimaran D. and Selvam S (2009). "Study of Foraminiferal distribution and population characteristics in relation to organic matter, calcium carbonate of the shore sediments of Pandian Island, Gulf of Mannar" abstract published and presented in XXII Indian colloquium on Micropaleontology and stratigraphy, held 16th -18th December, 2009 at National College, Thoothukudi, abstract -96 pp 129.	
35	<b>Udayanapillai A.V.</b> , Anitha Angelin Flowrance A., Maragathasundaram S., Selvam S., Selva Rathika K.(2009). "The Study Of Petro -Mineralogy and Geochemistry of Calcrete Deposits in and around Sathankulam, Thoothukudi district, Tamilnadu". Abstract published and presented paper in Nation Seminar Sustainability and conservation of coastal resources and ecology, sponsored by Tamil Nadu Land Use Board State Planning Commission, Chennai, published abstract on 17th and 18th July 2009, held M.S. University Tirunelveli, pp. 17.	
36	<b>Udayanapillai A.V.</b> , Selvam S., Balasubramanian T., Emi Princess Prasanna A., Venkataraman P., Manimaran G., and Sivasubramanian P. (2010) "Geochemistry of Groundwater in an around Petmanagaram, Thoothukudi, Tamilnadu, South India", Outreach, Vol. III, pp. 46-50.	
37	<b>UdayanaPillai A.V.</b> , Thirugnana Sambantham R., Venkatraman P., Antony Ravindran A., Sekar S., Karuthapandian K., (2010). "Resistivity studies of groundwater in Kezhaseithalai village, Ottapidaram Taluk, Thoothukudi District. JN Outreach Issn 0975-1246 v IV, 66-68.	
38	<b>UdayanaPillai A.V.</b> , Thirugnana Sambantham R., (2012) "Petro-mineralogy and major element geochemistry of calcrete deposits at Maravarperugudi village near Pandalgudi area, Viruthunagar District, Tamilnadu, India. JN Outreach Issn 0975-1246 Vol. V, pp.123-128.	
39	<b>UdayanaPillai A. V.</b> , (2013) "Petro mineralogy, major element geochemistry and palaeoclimatic significance of calcrete deposits at Maniyakkaranpatti, Suthamadam and Salukkuvarpatti villages near Pandalgudi Viruthunagar District, Tamilnadu, India". National Seminar on climate change impacts on environment souvenir sponsored by Ministry of Earth science and Kamaraj college, vol-pp18-32.	
40	<b>UdayanaPillai A. V.</b> , and Ganesa Moorthy P., (2013) "Mineralogy and geochemistry of red and black sediments of Thoothukudi District, Tamilnadu, India". Prof. Kapila Dahanayake Felicitation – Jour. Geol. Soc. Sri Lanka, vol 15, pp 47-56.	

## Resource persons in various capacities

1. Resource person for Govt Rani Anna College for Women, Geology Dept, Thirunelveli, on 29-02-24.
2. Board of Studies MS University, Alagappa University, Thiruvalluvar University, Annamalai University.
3. Reviewer in the IJES
4. Resource persons to deliver lecture on Crystallography invited by Applied Geology and Geomatics Dept., Gandhi Gram Rural Deemed Central University, Dindugal.
5. Resource Persons one day orientation workshop organized by in the National Teacher Science Congress and Tamilnadu Science Forum, Entitled speech "Energy and Energy System" on 27.08.13
6. Resource Persons to deliver lecture on Disaster Management at Arulmigu Senthil Andavar Polytechnic, Tenkasi 2008.
7. Resource Persons to deliver lecture on "Climate change, Global Warming and Sea Level Rise" for TMSS NGO trust, held on 21st December 2009.
8. Resource Persons: Adam bridge speech at Rameshwaram, Chennai- Conducted by Tamilnadu Science Forum.
9. Board of Examiner in Bharathidasan University 2003
10. Board of Studies Member – M.S University 2005
11. P.G Practical Examiner at Mysore University- Examination held in July 1998.

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