



CURRICULUM VITAE

**Dr. P.
UDAYAGANESAN** Associate
Professor and Head
PG & Research
Department of Geology
Alagappa Govt. Arts College
(Alagappa University)
Karaikudi – 630 003

Name	Dr.P. UDAYAGANESAN
Designation	Associate Professor and Head
Date of Birth	04.04.1969
Address for Communication	
Office	PG & Research Department of Geology, Alagappa Govt. Arts College (Alagappa University) Karaikudi – 630 003,Tamilnadu Tel : 04565 230671 (Dept.) 04565 224521 (O) Fax : 04565 227497 (O) Mobile: (0) 94433 01132
E-mail	udayaganesan@yahoo.com
Educational Qualification	M. Sc., M. Phil., PhD.

**Academic Experience
(Research & Teaching)**

Sl.	Kind of Experience	Period		Number of Years	Position Held / Holding	Place of Working
		From	To			
1	Research	September 1991	August 1993	2 Years	M.Phil Research Scholar	Dept. of Earth Sciences, Tamil University, Thanjavur.
2	Research	September 1993	June 1993	4 Years & 3 Months	“Project Assistant” in Dept of Science & Technology sponsored project.	Dept. of Earth Sciences, Tamil University, Thanjavur.
3	Research	October 1997	September 1998	1 Year	Full-Time Ph.D. Research Scholar	Dept. of Earth Sciences, Tamil University, Thanjavur.
4	Part-Time Research	October 1998	October 2005	7 Years	Part-Time Ph.D. Research Scholar	Dept. of Earth Sciences, Tamil University, Thanjavur.

5	Teaching	October 1998	January 2007	8 Years & 4 Months	Lecturer & Lecturer (senior scale)	Dept. of Geology, Alagappa Govt. Arts College, Karaikudi.
6	Teaching & Research	February 2007	January 2008	1 year	Reader	Dept. of Earth Sciences, Tamil University, Thanjavur.
7	Teaching & Research	February 2008	October 2011	3 years & 8 Months	Reader	Dept. of Geology, Alagappa Govt. Arts College, Karaikudi
8	Teaching & Research	November 2011	Till now	11 years & 4 Months	Associate Professor	PG & Research Dept. of Geology, Alagappa Govt. Arts College, Karaikudi

Academic Achievements :

- ❖ Secured First Rank in M.Sc. from Bharathidasan University, Tiruchirappalli, Tamil Nadu.
- ❖ Passed 'State Level Eligibility Test' (SLET) for Lectureship

Field of Specialisation:

Sedimentology with special emphasis on provenance of sediments; Mineral Exploration; Quaternary Geology; Storm and Tsunami deposits

Membership in Professional Societies:

1. Geological Society of India, Bangalore – Life member
2. Indian Geological Congress, Roorkee – Life member
3. Indian Institute of Geomorphologists, Allahabad – Life member
4. Indian Association of Sedimentologists, Aligarh – Life member
5. Indian Society for Applied Geochemists, Hyderabad – Life member
6. Mineralogical Society of India, Mysore - Life member

Membership in Academic Bodies:

Board of Studies in Geology

- | | | |
|-------------|---|--|
| 1. Chairman | - | B.Sc. Board of studies in Geology Alagappa University, Karaikudi |
| 2. Chairman | - | M.Sc. Board of studies in Geology Alagappa University, Karaikudi. |
| 3. Member | - | M.Sc. Geology, University of Madras, Chennai |
| 4. Member | - | B.Sc. Geology & M.Sc. Geology, V.O. Chidambaram College (Autonomous) Chennai |
| 5. Member | - | B.Sc. Geology & M.Sc. Geology, National College (Autonomous) Tiruchirappalli |

Valuation Board

- | | | |
|-------------|---|---|
| 1. Chairman | - | B.Sc. Board of valuation in Geology Bharathidasan University, Tiruchirappalli |
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| 2. | Member | - | B.Sc. Board of valuation in Geology Periyar University, Salem |
| 3. | Member | - | B.Sc. Board of valuation in Geology National College (Autonomous)
Tiruchirappalli |

Question Paper Setting Board:

- | | | | |
|----|----------|---|---|
| 1. | Chairman | - | B.Sc. Geology, Periyar University, Salem |
| 2. | Chairman | - | B.Sc. Geology & M.Sc. Geology, Manonmaniam Sundaranar University,
Tirunelveli. |
| 3. | Chairman | - | M.Sc. Geoinformatics – Annamalai University, Annamalai Nagar |
| 4. | Member | - | B.Sc. Geology & M.Sc. Geology National College (Autonomous)
Tiruchirappalli |
| 5. | Member | - | B.Sc. Geology & M.Sc. Geology, Presidency College (Autonomous)
Chennai |

External Examiner for M.Phil. & Ph.D. Programme:

1. Tamil University, Thanjavur
2. Bharathidasan University, Tiruchirappalli
3. Manonmaniam Sundaranar University, Tirunelveli
4. University of Madras, Chennai

External Examiner for Ph.D. Programme / Ph.D. Thesis Evaluation :

1. University of Madras, Chennai-600 005 - Evaluation of Jurassic to Paleogene Sediments of Ophiolite, and Disang Formations of Nagaland, Northeast India – Mhabemo Odyuo.
2. University of Madras, Chennai -600 005 - Physico Chemical Controls on Localising Pyrite Mineralisation in Mid Proterozoic Coarse Clastic Sequence of Kaladgi Basin, Karnataka, India – P.Govinda Rajan.
3. Bharathidasan University, Tiruchirappalli-620 001 - Integrated Study of Groundwater characteristics in parts of Tirunelveli District, Tamil Nadu using Hydrogeology, Geochemistry, Geophysics, Remote Sensing and GIS –R.Ganapathi Subramanian.
4. University of Madras, Chennai-600 005 - Hydrogeochemical Studies of Groundwater in Salem and Valapadi Taluks of Salem District, Tamil Nadu, India - D.Venkatesan.
5. Tamil University, Thanjavur-613 010 - The Groundwater Resource Management in Pudukottai Taluk, Pudukottai District – G.Hemalatha

:::No. of M.Phil. Students Guided:

1. Landuse management in Papanasam taluk, Thanjavur Dt., Annamalai University, Under Distance Education Mode
2. Signatures of Ground water fluctuation in and around Karaikudi, Annamalai University, Under Distance Education Mode
3. Landuse management in Pattukkottai taluk, Thanjavur Dt., Annamalai University, Under Distance Education Mode

:::No. of Ph.D. Students Guided:

1. A Hydrogeochemical approach to ascertain the surface and subsurface water interaction in Gundar basin, south India.
– N. Sivakarun – Degree awarded
2. An appraisal on nuclear minerals from the selected coastal placer deposits of India.
– S. Dhinesh - Degree awarded
3. Identification and characterisation of high energy deposits along the selected regions of southern Tamil Nadu coast.
– J. Xavier Ignaci Muthu – In progress
4. Influence of geomorphological and geochemical characteristics on sea grass biodiversity in Palk strait, Southern Tamilnadu.
– S. Syed Ibrahim – In progress
5. Geospatial techniques to identify, assess and manage resources: A case study from Sivaganga District.
– V. Agasthiswaran – In progress
6. Evaluation of Fossil placers in the nearshore/Offshore region of Southeastern Coast of Tamil Nadu.
– B. Dharshan Ragavendar - In progress

:::Research Projects Completed / Ongoing:

1. “Inferring palaeotsunami signatures from the coastal sediments of southern Tamilnadu” - A major research project sponsored by Indian National Centre for Ocean Information Services (INCOIS), A Unit of Ministry of Earth Sciences, Govt. of India, Hyderabad for **Rs.30 lakh – Project completed in December 2012 and final project report submitted.**
2. “Identification of economically viable fluvial placers and their provenance in Kallar basin, Tamilnadu” – A minor research project sponsored by University Grants Commission, Hyderabad for **Rs.1.90 lakh - Project completed in October 2011 and final project report submitted.**

3. “Development of Methodology for Exploring Nuclear Minerals in the Coastal Placer Deposits using Hyperspectral and Radiometric Techniques” – A major research project sponsored by Department of Science and Technology (BDA-HSRS), New Delhi for **Rs. 35.851 lakh. – Project completed in April 2021 and final project report submitted.**
4. “Application of remote sensing and GIS techniques in soil erosion hazard zonation – A case study from Nichabanadhi sub basin” – A minor research project sponsored by Tamil Nadu State Council for Higher Education (TANSCH), Chennai for **Rs.01 lakh. – Project completed in April 2019 and final project report submitted.**
5. **GIS based water conservation plans and inventory of water bodies of sivaganaga district – A consultancy project report submitted to the District Collector, Sivaganga district for Department of Rural Development, Govt. of Tamil Nadu for Rs. 01.408 lakh - Project completed in September 2023 and final project report submitted.**

::: Training / Special Courses Undergone:

1. University Grants Commission, South Eastern Regional Office, Hyderabad organised a training programme on “Eat module of Public Financial Management Systems (PFMS) for HEI’s” on 10.03.2019 at Lawrence Sundaram Auditorium, Loyola College.
2. Department of Science and Technology sponsored ten days training programme on “BIGDATA ANALYTICS” held during 22.06.2016 – 01.07.2016 at Department of Electronics and Communication Engineering, K.L.N.College of Information Technology.
3. “Quality Enhancement – Roles and Responsibilities of IQAC” organised by The Internal Quality Assurance Cell (IQAC) on 17.10.2014
4. Department of Science and Technology sponsored summer course on “Art of Petrography”, held at the Department of Geology, Banaras Hindu University, Varanasi during 17 – 27 April, 2006.
5. UGC sponsored “Refresher course on Environmental Education” conducted by Academic Staff College, Madurai Kamaraj University, Madurai during April - May 2003
6. UGC sponsored “Refresher course on Environmental Education” conducted by Academic Staff College, Bharathidasan University, Tiruchirappalli from 30.06.2003 to 20.07.2003.
7. UGC sponsored “Orientation course for College and University Teachers”, conducted by Academic Staff College, Pondicherry University, Pondicherry during 04-31 January, 2001.
8. “Basic Geo-statistics for the University Teachers and Research Scientists” conducted by National Mineral Development Corporation, Government of India, Hyderabad during 19 – 26 July, 1996.
9. “Scientific Writing”, organized by Prof. P.G. Cooray, Colombo, Sri Lanka during 1 – 3 March 1995 at Department of Earth Sciences, Tamil University, Thanjavur.

:::Cruise Experience:

Participated and worked as “Deputy Scientist” in ORV Sagarkanya Bay of Bengal Cruise Programme – 231 conducted during July 25 – August 02, 2007 by Ministry of Earthsciences, Govt. of India; carried out marine geophysical survey and collected sediment core samples for scientific analyses.

:::Conference / Seminar / Workshop/Awareness Programme Organized:

1. Organised about 09 “Brainstorming Sessions” on “The performance of students in National Educational Tests” in Tamil Nadu, Kerala, Karnataka and Andhra Pradesh during 1993-97.
2. Organised awareness programme on “Popularisation of Earth Sciences: Focus on Geology” to science students of Higher Secondary Education in Govt./Govt.aided/Matric schools of Sivagangai District on 11.02.2012 – Programme was sponsored by Ministry of Earth Sciences, Govt. of India, New Delhi.
3. Organised a webinar on “Intellectual Property Rights: awareness programme” on 07.11.2022 – jointly organised by IPR and IQAC, Alagappa Govt. Arts College.
4. Organised an International Conference on Environment and Climate Change: An Insight into the Tamil Culture and Literature - jointly organised by the TANSCH, Chennai, Alagappa University & Alagappa Government Arts College, Karaikudi, Tamil Nadu, India on 21st & 22nd December, 2022.

:::Book/Book chapters published :

1. **Udayaganesan, P.**, Gujar, A. R., Loveson, V. J., Iyer, S. D., Muthu, X. I., & Thambidurai, P. (2025). High-Energy Deposits in the Shadow Zone of Rameswaram Island, Southeast Coast of India. In *Coastal Environments of India: A Comprehensive Approach* (pp. 93-120). Cham: Springer Nature Switzerland.
2. Jeyabal, G., **Udayaganesan, P.**, Selvam, S., & Sathiya, D. (2024). Assessment of microplastic pollution in the Vembar estuarine environment, Southeast coast of India. In *Meso and Microplastic Risk Assessment in Marine Environments* (pp. 161-172). Elsevier.
3. Vatuva Absai, Gabriel Filippelli, Anup R. Gujar, Sridhar D Iyer and **P. Udayaganesan** (2022) Coastal and nearshore minerals: Blue economy potential and prospects, Monograph on “Blue Economy: An ocean science perspective”. Jointly published by Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T centre), New Delhi (India) and Committee on Capacity Development of the Scientific Committee on Ocean Research (SCOR), Newark, Delaware (USA).
4. **Udayaganesan.P**, Chithambaram.M, Saravanakumar.AR (2022) சுற்றுச்சூழலும் பருவநிலைமாறுபாடும்: தமிழரின் அறிவுசார் மரபுவழிப் பார்வை – தொகுதி 1, பிரடாக் பிரிண்ட், கோயம்புத்தூர், ISBN No. 978-93-93522-33-7.
5. **Udayaganesan.P**, Chithambaram.M, Saravanakumar.AR (2022) சுற்றுச்சூழலும் பருவநிலைமாறுபாடும்: தமிழரின் அறிவுசார் மரபுவழிப் பார்வை – தொகுதி 2, பிரடாக் பிரிண்ட், கோயம்புத்தூர், ISBN No. 978-93-93522-33-7

6. **Udayaganesan.P**, Chithambaram.M, Saravanakumar.AR (2022), Environment and climate change: An insight into the Tamil culture and literature, Journal of modern thamizh research, Raja publications, Tiruchirappalli, ISBN No.2321-0737.

Research Papers Published :

1. Rajani Ramachandran, Mohana Perumal, **Udayaganesan Palaniraj**, Muthusamy Subramaniam & Dhinesh Selvam (2022) Geospatial and an AHP approach for delineating potential groundwater zone for Sakkottai block, Tamil Nadu. Arabian Journal of Geosciences.
2. **Udayaganesan, P.**, Gujar, A. R., Dhinesh, S. & Iyer, S. D (2022) Alluvial placer garnet deposits of Vaippar basin, southern Tamil Nadu, India: Origin, distribution, geomorphological control and resource evaluation. Journal of Earth System Science. <https://doi.org/10.1007/s2040-022-01834-z>.
3. Dhinesh, S., **Udayaganesan, P.**, Ramakrishnan, D., Rajani, R., & Muthu, J. X. I. (2021). An integrated strategy for the exploration of palaeofluvial placer deposits. Applied Geomatics, 13(2), 165-177. <https://doi.org/10.1007/s12518-020-00332-5>
4. Gujar, A. R., Iyer, S. D., **Udayaganesan, P.**, Ambre, N. V., Mislankar, P. G., & Dhinesh, S. (2021). Nature, characterization and resource potential of littoral placer deposits of Goa, central west coast of India. *Journal of Sedimentary Environments*, 1-22.
5. Agastheeswaran Vellaikkannu, **Udayaganesan Palaniraj**, Sivakumar Karthikeyan, Venkatramanan Senapathi, Prasanna Mohan Viswanathan, Selvam Sekar (2020) Identification of groundwater potential zone using geospatial approach in Sivagangai district, South India, Arabian journal of Geosciences. In press.
6. N Sivakarun, **P Udayaganesan**, S Chidambaram, S Venkatramanan, M.V Prasanna, K Pradeep, Banajarani Panda (2020) Factors determining the hydrogeochemical processes occurring in shallow groundwater of coastal alluvial aquifer, India, Geochemistry, ISSN 0009-2819, <https://doi.org/10.1016/j.chemer.2020.125623>.
7. **Udayaganesan, P.** & Dhinesh, S. (2020). சூழலியல் மாறுபாட்டால் அறிவுசார் திறனில் பரிணாம வளர்ச்சியடைந்த தொன்மைத் தமிழினம், Journal of Modern Thamizh Research, Raja publications, Tiruchirappalli, (Special Issue).
8. Sathyaseelan.S., Vijayan.S., Balamurugan.S, Dhinesh.S., Udayaganesan.P, (2020), வைகை ஆற்றின் புவிசார் தொல்லியல் முக்கியத்துவம், Journal of Modern Thamizh Research, Raja publications, Tiruchirappalli, (Special Issue).
9. Sivakarun N, Chidambaram S, Thivya C, **Udayaganesan P**, Paramaguru P, Pradeep K, Ganesh N. Anandhan P (2016) GIS based approach to understand the factors influencing the water level of the coastal aquifers in the Ramnad district, Tamilnadu, India, International journal of Advanced Geosciences.
10. V. J. Loveson, A. R. Gujar, Sridhar D. Iyer, **P. Udayaganesan**, R. A. A. Luis, S. S. Gaonkar, P. Chithrabhanu, G. M. Tirodkar, A. K. Singhvi (2014) Beach dynamics and oscillations of shoreline position in recent years at Miramar Beach, Goa, India: a study from a GPR survey, Natural Hazards, Springer

11. Lalitha.A, Lakshumanan. C,Suvedha. M, Suganya. M and **Udayaganesan. P** (2012), “The evaluation of ground water pollution in alluvial and crystalline aquifer by Principal Component Analysis”, International Journal of Geomatics and Geosciences, Vol.3(1), pp 285-292.
12. Lalitha.A, Lakshumanan.C and **Udayaganesan. P** (2012), “ Hydrochemical Characteristics and Evaluation of Groundwater Quality in and around Karaikudi, Sivaganga district, Tamil Nadu: A GIS Approach”, International Journal of Advances in Remote Sensing and GIS, Vol.1(2), pp 160 -171.
13. **Udayaganesan P.**, Angusamy N. Gujar A.R. and Rajamanickam G.V.(2011) Surface microtextures of Quartz grains from central coast of Tamilnadu, India **Springer Link** - Journal of the Geological Society of India, Vol.77, Issue 1, pp 26-34
14. **Udayaganesan, P.**, Angusamy, N., Dajkumar Sahayam, J. and Victor Rajamanickam, G. (2006) Heavy mineral enrichment pattern in the Vaippar river and its significance to the Vaippar beach placer deposits, Southern Tamilnadu, India – In Mineral Exploration: Recent strategies, 2007. Eds. S.Rajendran et al., pp.107-115, New India publishing agency, New Delhi
15. Angusamy, N., **Udayaganesan. P**, Rajamanickam, G.V. (1998) Wave refraction pattern and its role in the redistribution of sediment along southern coast of Tamilnadu, India, Indian Journal of Marine Sciences, Vol.27, pp.173-178.
16. **Udayaganesan. P**, Angusamy, N. and Rajamanickam, G.V. (1998) Heavy mineral distribution and provenance of Vaippar basin sediments, Southeast coast of India, Indian Journal of Marine Sciences, Vol.27, pp.179-184.
17. **Udayaganesan. P** and Rajamanickam, G.V. (1997) Grain size distribution and depositional environment of Vaippar river sediments, Proceedings of IX Convention of Indian Geological Congress, pp.44-52.

:::Research Papers Presented in National & InternationalSeminar/Symposia/Conference:

1. **Udayaganesan.P.**, Dhinesh. S.,Ramakrishnan. D. and Loveson.V.J. (2019) Application of imaging spectroscopy for the exploration of beach placer minerals – International Meet: World Ocean Science Congress 2019 (WOSC 2019) - held at Andhra University, Visakhapatnam, Andhra Pradesh during 25 – 27 Feb. 2019.
2. Dhinesh. S., Somasundaram. S.S.N. and **Udayaganesan. P.**, (2019) High background radiation induced ecological aberrations - National seminar on Frontiers in geophysics and climate change – held at PG and Research Department of Physics, Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu during 21 & 22 Feb. 2019.
3. **Udayaganesan. P.** and Panchanatham. P. (2019) An assessment on the quality of groundwater in and around Koviloor, Sivaganga District, Tamil Nadu, India – National seminar on sustainable development and management of groundwater resources – held at Centre for Geotechnology, Manonmaniam Sundaranar University, Tirunelveli on 2 Feb. 2019.
4. **Udayaganesan. P.** andDhinesh. S.(2018) Emerging exploration strategy for coastal placer deposits – International seminar on Earth resources and sustainability- held at School of

Earth Sciences, Central University of Karnataka, Kalaburagi, Karanataka during 19 & 20 Feb. 2018.

5. Rajani. R., Ilakiyapriya. K. and **Udayaganesan. P.** (2017) Delineation of groundwater potential zone for Sakkottai block using an AHP approach – National conference on Geospatial technologies for rural development – held at Center for Geoinformatics, Department of Rural Development, The Gandhigram Rural Institute – Deemed University, Gandhigram, Dindigul, Tamil Nadu during 2 & 3 Feb. 2017.
6. **Udayaganesan, P.** (2013) Shore Specific Sediment Characteristics as an Aid to Identify the Deposits of Extreme Events along the Sheltered Coast of Southern Tamilnadu, India in the fourth IGCP 588: preparing for Coastal Changes during 20 – 24 May 2013, jointly organised by Anna University and National Centre for Sustainable Coastal Management, Chennai, India.
7. **Udayaganesan, P.** Angusamy, N. and Rajamanickam G.V. (2010) Geochemical Signatures of Detrital Heavy Minerals from Vaippar Basin, Southern Tamilnadu: Their Implications on Provenance – National Seminar on Applied Chemistry in Marine Sciences: Current and Future Trends – held at Department of Ocean Studies and marine Biology, Pondicherry University, Brookshabad campus, Port Blair during 24 & 25 Feb. 2010.
8. **P.Udayaganesan**, A.R.Gujar, V.J.Loveson and G.V.Rajamanickam (2009) Effect of refracted waves of Indian Ocean Tsunami on Rameswaram shadow zone, India. International Conference of Geomorphology 2009, Melbourne, Australia (Abstract Accepted for oral Presentation)
9. **P.Udayaganesan** and G.Victor Rajamanickam (2009) Fluvial placers and anthropogenic threat to their occurrence: A case study from Vaippar basin, Tamilnadu, India. National Symposia on Geological Processes, Mineral and Fossil Fuel Exploration and Environmental Geology, 26-28 November 2009, Anna University, Chennai.
10. **Udayaganesan, P.** Xavier Ignacimuthu, J and Suvedha, M (2009) Post tsunami sediment characteristics in the coast of Rameswaram island, Tamilnadu, India - National symposium on Geological Processes, Mineral and Fossil Fuel Exploration – Golden Jubilee Celebrations of Mineraological Society of India - held at Anna University during Nov.26-28, 2009.
11. Gurugnanam, B. Prabakaran, N. and **Udayaganesan, P.** (2007) Water level spatial distribution assessment in GIS interpolation for upper Manimuktha sub basin, Vellar basin, Tamilnadu, India, National Seminar on Hydrocare 2007 held at Annamalai University, Annamalai Nagar.
12. **P.Udayaganesan**, (2006) Heavy mineral Enrichment Pattern in the Vaippar River, Southern tamil Nadu, India, national Seminar on Strategy for Exploration and Exploitation of Mineral, Ore and Oil Deposits in the Present Context of Global Economic Scenario - A thrust on New Horizon (SEEMGES 2006).
13. **Udayaganesan, P** and Rajamanickam G.V. (2002) offshore placer mineral exploration – The need of the hour: A case study from Vaippar basin sediments, Tamilnadu, National Seminar on Coastal Environment held at National College, Trichirapalli.
14. **Udayaganesan. P** and Rajamanickam, G.V. (1997) Grain size distribution and depositional environment of Vaippar river sediments, Proceedings of IX Convention of Indian Geological Congress, pp.44-52.

15. G. Victor Rajamanickam, P.M. Mohan, **Udayaganesan. P**, (1995) Results of the preliminary investigation on the performance of students in National Educational Test from Southern Universities – Proceedings of “Science Indicators “ pp.122-135.
16. **P.Udayaganesan**, (1994) attended the Brain Storming Session II and Presented a paper on students’ performance in National Educational Tests organised by Vellalar College for Women
17. **Udayaganesan, P** and Rajamanickam G.V. (1993) Characteristics of detrital light minerals of the Vaippar basin, IGCP-274 International workshop on “Evolution of East Coast of India” held at Tamil University, Thanjavur.
18. Angusamy, N. **Udayaganesan, P** and Rajamanickam G.V. (1993) Grainsize distribution in the beach sediments of Mandapam – Kanyakumari coast, ICGP-274, International workshop on “Evolution of East Coast of India” held at Tamil University, Thanjavur, 1993.
19. **Udayaganesan, P** and Baskaran, R and Rajamanickam G.V. (1993) Significance of transition metals in the origin of Garnet – Pyroxene-Granulites of the Jadamangalam area, Musiri taluk, Trichi District, Tamilnadu, IX convention of Indian Geological Congress held at Tamil University, Thanjavur.

::: Conference / Seminar / Workshop attended:

1. Participated in GEO-INDIA 2022 5th South Asian Geosciences Conference and Exhibition “Fossil Fuels, Decarbonisation and Changing energy Dynamics” held at JECC Jaipur, Rajasthan during 14 – 16 October 2022.
2. Participated in the national workshop on “Late Quaternary Paleoclimate and Evolving Hypothesis” held on 07.01.2019 at Department of Geology, Alagappa University, Karaikudi.
3. Participated in Training-cum-Workshop on “Imaging Spectroscopy and Applications” sponsored by Department of Science and Technology, Government of India at Indian Agricultural Research Institute (ICAR), New Delhi during 20 – 24 December 2016.
4. Participated in National Workshop on “Rare Earths, Zircon and Titanium Resources from Beach Placer Deposits of India: Theory and Practices” jointly organised by The Geological Society of India and Atomic Mineral Directorate for Exploration and Research (AMD) during 7-11 November 2016.
5. Participated in National Symposium on “Recent Trends in Hyperspectral Remote Sensing” held in Department of Earth Science, Annamalai University, Tamil Nadu on 20 & 21 October 2016.
6. Participated in one-day workshop on “Curriculum Designing and Development for the Chair Persons of Boards of Studies of Affiliated Colleges” organised by Curriculum Development Cell, Alagappa University on 24.04.2013.
7. Participated in one-day workshop on “Access and Expansion, Equity and Inclusion, Quality and Excellence in Higher Education – Issues and Strategies” organised by Alagappa University on 12.05.2012.

8. Participated in UGC sponsored workshop on “Current trends in research on Quaternary sea level changes” held at the Department of Geology, National College, Tiruchirapalli during 5-6 December, 2003.
9. Participated in a workshop on “Earthquake Hazard Awareness” held at the Department of Geology, Bharathidasan University, Tiruchirapalli on 24th November 2001.
10. Participated in an International Seminar on “Placer Deposits” held at Tamil University during 14-20 December, 1999.
11. Participated in Brainstorming sessions on “Quantification of financial and manpower resources devoted to R & D in S & T from academic sector” held at Tamil University during 13-14 October, 1997.
12. Participated in an International Seminar on “Quaternary sea-level variation, shoreline displacement and coastal environment” held at Tamil University during 20-26 January, 1997.
13. Participated in the workshop on Basic Geostatistics for University Teachers and Geoscientists of Research Institutes conducted by NMDC, Hyderabad during 19 -26 July 1996.
14. Participated in the 7th Conference of Indian Institute of Geomorphologists (IGI) and a National seminar on “Geomorphology and Society” held at Tamil University during 1-3 October, 1995.
15. Participated in the workshop on Scientific Writing sponsored by Association of Geoscientists for International Development (AGID) and IUGS Commission on Geoscience Education & Training held in Department of Earth Sciences Tamil University, Thanjavur during 1 – 3 March 1995.
16. Participated in the Brain Storm Session held at V.O.Chidambaram College, Tuticorin on 09.04.1994.
17. Participated in CSIR sponsored workshop on “Research in boat building traditions” organized by Tamil University during 17-25 February, 1994.
18. Participated in the “IX Convention of Indian Geological Congress” held at Tamil University during 5-7 October, 1993.
19. Participated in IGCP-274, International workshop on “Evolution of East Coast of India” held at Tamil University during 18-20 April, 1993.
20. Participated in the deliberations of Group Discussion on “The performance of students in National Educational Tests” held at Tamil University, Thanjavur during 12– 13 September, 1992.

III. Abroad Visit:

Paid a visit to United Kingdom as a “Visiting Professor” to the Department of Geosciences, Edge Hill University (EHU), St Helens Road, Ormskirk, Lancashire, L39 4QP from 09th January to 04th May 2014 under ‘Study Abroad Programme’ fully sponsored by Tamil Nadu State Council for Higher Education (TANSCH), Chennai.

III. Academic Activities Abroad :

A. Analysis of the course

Made detailed analysis on the course B.Sc. (Hons) Physical Geography and Geology with respect to aim, design, structure, module and credit rating, learning outcome viz. Knowledge, skills, etc. of the course, teaching-learning processes and personal development planning.

B. Participation in Teaching, Learning and Research Programme

Teaching

1. Worked as 'Invited Lecturer' in module GEO3053 – Coastal Environments and Management in the Department of Geography, Edge hill University (EHU), Ormskirk
2. Delivered a talk on 'Placer Mineral Resources of India – An Over View' to the staff and students of 'PlaceMinerals Group' in the School of Earth and Environment, University of Leeds, Leeds
3. Served as an External-Examiner to assess the 'Geological Field Mapping Reports' and Power Point Presentations by the Year 3 students of EHU.

Learning

1. Attended about 12 classes in modules GEO 2231 - Sedimentology and GEO 2232 – Geological Techniques II in EHU
2. Had an interactive session on 'Improving the Quality of Higher Education' with Prof. Mark Schofield, Dean, Centre for Learning and Teaching, EHU, Ormskirk on 21.02.2014 between 3.00 and 5.00 pm.

Research

1. Participated and worked for the research project titled 'Frequency and Magnitude of Aeolian Transport Events at Sefton Sands' along with Dr.Irene Delgado Fernandez, Project Principal Investigator, EHU
2. Participated and worked for the research project titled 'Changes in the Proportion of Bare sand on the Sefton Coastal Sand Dunes' along with Dr.Irene Delgado Fernandez, Project Principal Investigator, EHU
3. Participated and worked for the research project titled 'Computational Fluid Dynamic Modelling of Three Dimentional Wind Flow Behaviour over Sefton Dunes' along with Dr.Irene Delgado Fernandez, Project Principal Investigator, EHU
4. Participated in 03 Research Seminars conducted in the Department of Geography, EHU
5. Acquired specific skills on "Pollen Analysis" which is a vital tool in the study of Palaeoclimate
6. Acquired skills in "Environmental Magnetism" and applied the techniques to Sediments of Rameswaram Coast, India.

C. Geological Field Work Undergone

1. Participated in 10 day residential Field Work Programme from 23.03.2014 to 01.04.2014 in Outer Hebrides, Scotland along with Year 3 students of B.Sc.(Hons) Physical Geography and Geology course, DoG, EHU and carried out Mineral Resource Survey & Environmental Impact Analysis of a Precambrian Terrain
2. Participated in 10 day residential 'Geological Mapping Training along the Moine Thrust – Caledonian Orogenic Belt' in Ullapool, Scotland along with Year 2 students of B.Sc.(Hons) Physical Geography and Geology course, DoG, EHU
3. Participated in 03 day residential 'Specialised Field Techniques used for Placer Gold Exploration in Glasgow, Southern Scotland' from 21.04.2014 to 23.04.2014 along with Dr.Rob Chapman, Senior Lecturer in Mineral Exploration, Research Scholars and students of Year 3 B.Sc. Geology course in the School of Earth and Environment, University of Leeds, Leeds
4. Carried out 'Geological Field Work' from 28.02.2014 to 03.03.2014 in the Karst (Carboniferous Limestone) regions of Malham Cove National Park, North Yorkshire along with Mr.Paul Howard, a Geographer cum Freelance Reporter.
5. Carried out 'Sea Level Variation Studies' on 02.05.2014 and 03.05.2014 along the coast of Lancashire with Dr. Michael Tooley, Retired Professor of Geography, University of St. Andrews, Scotland

:::Contribution to enhance the academic climate in Alagappa Govt. Arts College & augment Teaching-Learning Process in the Department of Geology:

1. Worked as a "Co-ordinator" for the academic affairs of University Grants Commission (UGC) during XI plan period, and continue to assume the charge in XII plan period also; Instrumental in obtaining a whopping grant of Rs.1.75 crore for Alagappa Govt. Arts College, Karaikudi – 630003 from October 2009 to December 2012.
2. Working as a "Co-ordinator" for UGC since June 2015 to till date and have brought in around Rs.60 lakh to college during XII plan period.
3. Working as a "Co-ordinator" for "Improving infrastructure facilities in Govt. colleges" – a scheme initiated by Tamil Nadu State Council for Science and Technology (TNSCST), Chennai and established a central lab facility.
4. Instrumental in obtaining 10 No. of internet connections with unlimited download facility under joint venture scheme initiated by Ministry of Human Resource Development – BSNL to facilitate free access to e-learning content to all higher education institutions in India. The college has now been registered with N-List (National Library and Information Services Infrastructure for Scholarly Content) and hooked to the nationwide network to access about 1 lakh e-books and 3717 journals on line from April 2013 onwards.
5. Took initiative to take the department, which was offering only B.Sc. degree since its inception in 1948, to higher level of learning and research by starting PG and Research leading to M.Sc. & Ph.D. degree programmes with the help of Govt. of Tamil Nadu and Alagappa University.

6. The laboratory of Alagappa Govt. Arts College, Karaikudi is equipped with advanced scientific and field instruments worth Rs. 25 lakh acquired through research projects and UGC grants.
7. Pioneer in implementing 'teaching with an aid of audio-visual equipments' as a conventional class room teaching in the campus. A multi-purpose room in the department of Geology, Alagappa Govt. Arts College, Karaikudi is provided with such facility and is readily available for regular class room activities.
8. M.Sc. students are encouraged to put their LAPTOPS supplied through "Chief Minister's Free Laptop Scheme" at maximum use during work hours, particularly during seminar. For which, M.Sc. classroom has been provided with internet connection with unlimited download facility. This infrastructure has been created out of project grants.
9. The library of the department of Geology has been equipped with back volumes of Journal of Geological Society of India from 1982 onwards. Currently, library receives 6 national journals in Geology. This facility has also been formed from project grants.
10. Took effort to establish a 'Digital Video Library of various geologically significant terrains' in Tamil Nadu. Those videos have been shot during various field works conducted as a requirement of B.Sc. degree programme. Though the expenditures are met by individual students for fieldwork, the fund for the creation of digital library and buying video equipment are sourced from projects. 'Geology' being a field science, this facility is of much useful to students.
11. Conventional talk and chalk method of teaching has been integrated with technology supported teaching for the better understanding by students in the classroom.
12. Currently, working as a Co-ordinator for On-line Outreach Programme on "Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System" being telecast from Indian Institute of Remote Sensing, Dehradun.
