




TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS			
Name & Qualification	Dr. BALASARASWATHI P., (Ph. D)		
Designation	Assistant Professor		
Department	Civil engineering		
Total Teaching Experience	12Yrs 5 Months		
Total Research Experience	4.5		
Total Industry Experience	1 year and 7 months		
Area of Specialization	GIS and Remote sensing, Coastal Engg applications		
AICTE Faculty ID	1-45442092602		
Email ID	drpbalasaraswathi@gmail.com		
EDUCATIONAL DETAILS			
Degree	Branch/ Specialization	University	Year
UG	B.E.Civil Engineering	Anna university	2006
PG	M.E.(GEO-INFORMATICS)	Anna University	2008
Ph.D	Civil Engineering	Anna University	2018
RESEARCH / PUBLICATION DETAILS			
Publications in Journal			
<ol style="list-style-type: none"> 1. Submitted a manuscript titled, “An Integrated Geospatial Approach for Flood Mitigation and Planning in Tamirabharani River Basin: Flood mitigation studies using GIS”, (Article Id: IJMS#624) to the Indian Journal of Engineering and Materials science, on February 2026. It is in under review 2. Balasaraswathi, P & Srinivasalu, S ‘Seasonal influence on Cuddalore shoreline change: Remote sensing, GIS and statistical approach’, Mausam, Vol. 70, No.2, pp. 299-308, April 2019 (SCI E Indexed) 3. Balasaraswathi, P & Srinivasalu, S, 2018, ‘A fast and better shoreline extraction of 			

Nagapattinam coast from TM/ETM+/OLI images based on Edge detection and Image filter method’, Indian Journal of Geo-Marine sciences. Vol.47, No.09, pp.1838-1846 (**SCI E Indexed**)

4. **Balasaraswathi, P**, & Srinivasalu, S 2016, ‘Shoreline dynamics of Nagapattinam coast by intervening geomorphic system and artificial structures’, Indian Journal of Geo-Marine sciences, Vol. 46, No.01, pp. 65-73 (**SCI E Indexed**)
5. **Balasaraswathi, P** & Srinivasalu, S 2016, ‘Spatio-Temporal analysis of Muthupet lagoon using geomatics techniques’, Indian Journal of Geo-Marine sciences, Vol.46, No.01, pp. 74-77 (**SCI E Indexed**)
6. **Balasaraswathi, P** & Srinivasalu, S 2016, ‘Change detection analysis of coastal zone features in Cuddalore District, Tamil Nadu using remote sensing and GIS techniques’, IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG), Vol.4, issue 5 Ver.II, DOI: 10.9790/0990-0405020108, pp. 01-08.
7. **Balasaraswathi P**, Kumaran V and S. Srinivasalu ‘Comparative analysis of seasonal shoreline changes in Nagapattinam coast using recent geomatics techniques’, International Journal of Applied Engineering Research, Vol.10, No.93, 2015, pp. 88-91
8. V. Kumaran, **P. Balasaraswathi**, K. Nagamani, S. Srinivasalu ‘Repair & removal of marine platforms-advance enhancement’, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.83 (2015)

Conference Proceedings

International Conferences

1. Presented a paper titled “Performance evaluation of SBR and MBBR techniques in sewage treatment plant” in the 8th International conference on recent advances in Science, Engineering and Management (ICRASEM 2026), organized by Tagore Engineering College on 24th April 2026.
2. **Balasaraswathi, P**, 2014, ‘Modeling of Shallow water Bathymetry using remote sensing data’, International Conference on emerging engineering trends (ICMEET 2014), Magna college of Engineering, Chennai, Tamil Nadu, India, 9-10th April, 2014.
3. **Balasaraswathi, P**, 2016, ‘Comparative analysis of seasonal shoreline changes in Nagapattinam coast using recent geomatics techniques’, International Conference on sustainable materials design and applications (ICSMDA 2016), Kongu Engineering college, Erode, Tamil Nadu, India 18th and 19th March, 2016.

National Conferences

1. Presented a paper in the National Seminar on “Geoinformatics for Natural Resources Management” held between 28th and 29th of February 2008 in the Department of Geography, University of Madras, Chennai a paper titled “MODELLING OF SHALLOW-WATER BATHYMETRY USING REMOTE SENSING DATA”

2. Presented a paper titled “MODELLING OF SHALLOW-WATER BATHYMETRY USING SENSING DATA” in the National Conference organized by the Department of Civil Engineering, Janaki Ammal College of Engineering and Technology, Kovaipudur, Coimbatore during April, 2015.
3. **Balasaraswathi P**, Nagamani, K & Srinivasalu, S 2015, ‘Repair & removal of marine platforms-Advance enhancement’, National Conference on Trends and Innovations in Civil and Mechanical Engineering (NCTICM 2K15), Vel Tech Multi Tech Dr.RR Dr.SR Engineering college, Avadi, Chennai, Tamil Nadu, India 26th September, 2015.
4. Attended in One day National seminar on ESG: Shaping the future of Sustainability Organized by the **Centre for Environmental studies**, Department of Civil Engineering, **Anna University**, Chennai on 28th January 2026.
5. Participated in Faculty Development Program “**Teachers as Nation Builders: Challenges and Opportunities in 21st century Education**” organized by A. S. Group of Institutions, Khanna, I. K. Gujral Punjab Technical University, Punjab held from 15 – 21 Jan, 2026.
6. Participated in the Mentors Training Programme organized by **Entrepreneurship Development and Innovation Institute (EDII-TN), Tamil Nadu Government** on 18th December 2025
7. Qualified and secured more than 75% in the **Indian Knowledge system IKS-TKDL (Traditional Knowledge – Intellectual Property & People’s Rights)** Workshop-9 organized by IKS Division, Ministry of Education, Govt. of India, held on 8th–15th December 2025.
8. Participated in and received appreciation during the **PALS Virtual Faculty Development Program** on “AI Impact Across Industries,” held from 18–20 November 2025.
9. Participated in the One-day workshop on “From Concept to Copyright-Understanding Intellectual Property Rights in Education and Research” organized by the Department of Chemistry, **Anna University**, CEG Campus, Guindy, Chennai 600025, on 24th October 2025.
10. Participated in National Level Quiz- World Standards Day 2025 organized by **Bureau of Indian Standards (BIS)** on 14th October 2025.
11. Participated in **PALS** organized field visit to **National Institute of Ocean Technology (NIOT)**, Research campus on 22nd September 2025.
12. Participated in the webinar on “Cementing Extraterrestrial Space” held on 18th June 2020, organized by Department of Civil Engineering, St. Joseph College of Engineering, OMR, Chennai-119.
13. Participated in the Two-Week **DST Summer School** on "Mathematical Morphology in Geosciences" held on 24th March – 8th April 2015 at the **Indian Statistical Institute-Bangalore**.
14. Participated and attended a “**Two-day workshop in Recent trends in GIS and image processing techniques**” on 28th sep 2014 in SRM University, Kattankulathur-603203.
15. Participated in Two-day workshop on “Recent trends in remote sensing and GIS”, 2011, organized by **SRM University**, Ramapuram.
16. Participated in teaching training programme, 2010, organized by NITTTR, Taramani.

Books / Chapters Published

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Fund Received		
-		
Patent Applied / Published/Granted		
-		
CITATIONS	-	
H-INDEX	-	
RESEARCH GUIDANCE DETAILS		
Sl.No	University	Supervisor ID / Reference
1	Anna University, Chennai	-
2	Number of UG Scholars Guided	10
3	Number of PG Scholars Guided	2
4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-
PROFESSIONAL SOCIETY MEMBERSHIP DETAILS		
Sl.No	Professional Society Name	Member ID
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