

Dr. C.Rajasekaran, M.Tech., PhD.
Assistant Professor, Dept. of Civil Engineering,
National Institute of Technology Karnataka,
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INDIA 575025.

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ACADEMIC QUALIFICATION

☞ **PhD** from **IIT Madras**, Chennai.

☞ **M.Tech** (Advanced Construction Tech.) from **Pondicherry Engineering College**, Puducherry.

☞ **B.Tech** (Civil Engineering) from **Pondicherry Engineering College**, Puducherry.

PROFESSIONAL EXPERIENCE

☞ **Assistant Professor** in Civil Engineering Department, **National Institute of Technology Karnataka (NITK)**, Surathkal, Oct'13 to till date.

☞ **Scientist - C** (Under Quick Hire Scheme), Ocean Engineering Division, **CSIR - National Institute of Oceanography**, Goa, Sep'11 to Oct'13.

☞ **Project Officer** - Ocean Engineering Department, **IIT Madras**, Chennai, Jul'05 – Dec'08.

SUBJECTS HANDLING

- Advanced Concrete Technology
- Construction Safety and Quality Management
- Operation Research and Decision Theory
- Surveying Practice
- Civil Engineering Materials Laboratory
- Construction Material Laboratory
- Construction Software Laboratory

AREAS OF RESEARCH/INTEREST

- Concrete in Marine Environment
- Concrete Technology
- Recycled Aggregates
- Experimental Techniques in Civil Engg.,
- Geopolymer concrete
- Innovative Concrete Materials
- Coastal Engineering
- Optimization in Civil Engineering

THESIS GUIDANCE

	Ongoing	Completed
PhD	5 (FT 4 / PT 1)	-
M.Tech (By Research)	1	3
M.Tech	10	28
B.Tech	1	5

PUBLICATIONS

Referred Journals	: 16
International Conferences	: 34
National Conferences/Symposiums	: 9

ABROAD VISIT

- Beijing, China.
- Kumamoto, Japan.
- Dublin, Ireland.
- Belfast, Northern Ireland, UK.
- Kuala Lumpur, Malaysia.

SCHOLASTIC ACHIEVEMENTS

- **Best Paper – Runner up** - The PMI India Research and Academic Conference, IIT Delhi 2017.
- **Golden Paper Award (Best of Best paper)** in 3i Conference 2016, Pondicherry University.
- **ACCE-NIRMANA NIRVAHANE PURASKARA 2015**, for the best M.Tech Thesis by SUMAN SAHA under my supervision.
- Qualified in **GRADUATE APTITUDE TEST IN ENGINEERING (GATE)** - 2004 and having a score of 95.41 percentile and AIR 401.
- Khirode Bose Award-2003 for **Best Outgoing Student** of Pondicherry Engineering College.
- **Government of Pondicherry Award** for University Rank holder -2003.
- Mrs.Lakshmi Kuppaswamy Memorial Award **for good academic record** 2001 – 2003.
- **First Rank Holder** in the Civil Engg. Department, PEC for the years 2001- 2003.

ACADEMIC RESPONSIBILITIES

- **Co-Coordinator**, L&T Sponsored M.Tech (CTM) Program under Build India Scholarship Scheme.
- **Hostel Warden** - III Block, NITK from July 2014.
- **Faculty Advisor**, B.Tech Final Year : Civil Engineering - 2017 - 18.
- **Faculty in-charge - Timetable & Exams** in the Dept. of Civil Engineering, NITK. (2013 – 2017)
- **Member** - Local Organizing Committee - Centralized Counseling for M.Tech / M.Plan Admission (**CCMT 2016**), NITK.
- **Member** - DUGC, DPGC and DRPC, Dept. of Civil Engineering, NITK.
- Member - RPAC -For PhD scholars in App. Mech Dept, Elect. & Mechanical Engg. Dept., NITK.
- **Coordinator**, Continuing Education Program on "R.C.C. Detailing, Mix Design and Quality Control" for P.W.D. Engineers, Government of Karnataka, November 2014.
- Co-Convener, Seating Arrangements, Convocation 2015 & 2016.
- Member - **MoU between NITK and CSIR-NIO**.
- Chaired Technical session in **Structural Engineering Convention 2016**, CSIR – SERC, Chennai.
- Chaired Technical session in **ACIDIC2014**, NITK.
- Co-Chaired a Technical session in **IOTSUNAMI2014**, Pondicherry.
- Invitee for DASA - all NITs Dean's meeting, March 2014.
- Member - NBA - SAR for UG (B.Tech) and PG (M.Tech (ST)) Programs, NITK.
- PhD Examiner for Anna University.
- Reviewer - Structural Engineering and Mechanics, *An International Journal*.
- Faculty In charge - **Survey Lab and AutoCAD Lab** - Dept. of Civil Engineering, NITK.
- Member - Anti-Ragging Committee.

CO-CURRICULUR ACTIVITIES

- **Member - Technical Committee**, 10th International Symposium on Lowland Technology, NITK, 15th to 17th September 2016.
- **Member - Organizing Committee** - International Conference On "A Decade after the Indian Ocean Tsunami - Status and Experiences", Pondicherry, December 2014.
- **Co-Convener**, First Annual Conference on Innovations and Developments in Civil Engineering (ACIDIC2014), NITK, May 19-20, 2014.
- **Member - Organizing Committee** - Indian National Conference on Harbour And Ocean Engineering (INCHOE 2014), CSIR-NIO, Goa, February 2014.

RECENT PUBLICATIONS

1. Sarfaraz Ahmed Kagadgar, Suman Saha and **Rajasekaran C.** (2017) "Mechanical and durability properties of fly ash based concrete exposed to marine environment." *SSP - Journal of Civil Engineering*, 12 (1), 7-18. (<http://dx.doi.org/10.1515/sspjce-2017-0001>)
2. Suman Saha and **Rajasekaran, C.** (2017) "Enhancement of the properties of fly ash based geopolymer paste by incorporating ground granulated blast furnace slag." *Construction & Building Materials*, 146, 615- 620. (<https://doi.org/10.1016/j.conbuildmat.2017.04.139>)
3. Suman Saha and **Rajasekaran, C.** (2016). Experimental Studies on Strength Characteristics of Recycled Aggregate Concrete Produced with Portland Pozzolona Cement, *Advances in Concrete Construction*. 4(1), 27-35. (<https://doi.org/10.12989/acc.2016.4.1.027>).
4. Vishnu S Pillai and **Rajasekaran, C.** (2016). Monitoring and Forecasting in Construction Projects Using Time Buffers, *Journal of Construction Engineering, Technology and Management*, 6(2), 9-16. (<http://stmjournals.com/index.php?journal=JoCETM&page=article&op=view&path%5B%5D=7052>)
5. Suman Saha and **Rajasekaran, C.** (2016). Strength Characteristics of Recycled Aggregate Concrete Produced with Portland Slag Cement, *Journal of Construction Engineering, Technology and Management*, 6(1).70-77. (<http://stmjournals.com/index.php?journal=JoCETM&page=article&op=view&path%5B%5D=6963>)
6. Beena Mary John, Kiran G. Shirlal· Subba Rao and **Rajasekaran C.** (2016) Effect of Artificial Seagrass on Wave Attenuation and Wave Run up, *International Journal of Ocean and Climate Systems*. 7 (1). 14-19. (<http://journals.sagepub.com/doi/10.1177/1759313115623163>)
7. Vishnu S Pillai and **Rajasekaran, C.** (2016). Role of Time Buffer in Project Monitoring and Forecasting of Steel Structures – A New Approach to Structural Planning, *International Journal of Earth Sciences and Engineering*, 9(3), 40-45. (<http://icee.cafetinnova.org/sites/default/files/%23SPL02090307.pdf>)
8. Seelam Jaya Kumar, Jishad M, Yadhunath E M, **Rajasekaran C**, Gowthaman R, Pednekar P S, Luis Ryan & Mehra Prakash (2015). Surfzone wave characteristics during flood tide on the central west coast of India, *Coastal Engineering Journal*. 57(4), 155002200-1/24. (doi: 10.1142/S0578563415990016)
9. Yajnheswaran B. , Akshay P.R. , **Rajasekaran C.** & Subba Rao (2015). Effect of Stiffness on Performance of Diaphragm Wall, *Procedia Engineering*, 116, 343-349. (<https://doi.org/10.1016/j.proeng.2015.08.305>)
10. **Rajasekaran, C.**, Jayakumar, S. , Gowthaman, R. , Jisad, M. and Yadhunath, E.M. (2014). Sand spit and shoreline dynamics near Terekhol river mouth, Goa, India. *Indian Journal of Geo-Marine Science*. 43(7), 1311-1315. (<http://nopr.niscair.res.in/handle/123456789/34445>)
11. Jayakumar, S., Yadhunath, E.M., Jishad, M., **Rajasekaran, C.**, Gowthaman, R. and Pednekar, P.S. (2014). Post monsoon equilibrium beach profiles and longshore sediment transport rates at candolim, miramar and keri beaches of Goa, India, *Current Science*. 106(3). 408-416. (<http://www.currentscience.ac.in/Volumes/106/03/0408.pdf>)

12. Vijayakumar, G., **Rajasekaran, C.**, Sundararajan, T., and Govindarajulu, D. (2014), Studies on the dynamic response of coastal sediments due to natural and manmade activities for the Pondicherry coast, *Indian Journal of Geo-Marine Science*. 43(7), 1322-1326. (<http://nopr.niscair.res.in/handle/123456789/34447>).
13. Yadhunath, E.M., Jayakumar, S., Jishad, M., **Rajasekaran, C.**, Gowthaman, R. and Pednekar, P.S. (2014). Surfzone Currents at Candolim, Miramar and Keri Beaches of Goa, India: Measurements and Comparisons, *Indian Journal of Geo-Marine Science*. 43(7), 1210-1216. (<http://nopr.niscair.res.in/handle/123456789/34424>).

PERSONAL DETAILS

Date of Birth : 27.09.1981
Nationality : Indian
Languages Known : Sourashtra (Mother Tongue), Tamil, English & Hindi.
Father's Name : Late. Shri. S. Chandrasekaran
Mother's Name : Smt. C. Laila
Spouse's Name : Smt. M. Lavanya Kumari
Son's Name : Master. R. Mrithunjay.
Present Address : L - 26, NITK Staff Quarters, NIT Karnataka, Surathkal,
Mangalore, Karnataka, INDIA 575025.
Residence Phone : 0824 2474357

DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge.

(C. Rajasekaran)