

**Dr. Rajasekaran, C. M.Tech., PhD.**

**Faculty in Construction Technology & Management,  
Department of Civil Engineering,  
National Institute of Technology Karnataka, Surathkal,  
Mangalore, Karnataka, INDIA 575025.**

**bcrajasekaran@nitk.edu.in; bcrajasekaran@gmail.com;**

**Phone: +91 824 - 2473357 (O) ; Mobile: +91 9449377540;**



### **ACADEMIC QUALIFICATION**

☞ **PhD** from **IIT Madras**, Chennai. (2012)

☞ **M.Tech** in **Advanced Construction Technology** from **Puducherry Technological University** (formerly Pondicherry Engineering College), Puducherry. (2005)

☞ **B.Tech** in **Civil Engineering** from **Puducherry Technological University** (formerly Pondicherry Engineering College), Puducherry. (2003)

### **PROFESSIONAL EXPERIENCE (TOTAL - 11.5 YEARS; 8.5 YEARS AT NITK)**

☞ **Assistant Professor Grade I (AGP 8000)** in Department of Civil Engineering, **National Institute of Technology Karnataka (NITK)**, Surathkal, Mangalore from Sept'19 to till date.

☞ **Assistant Professor Grade II (AGP 7000)** in Department of Civil Engineering, **National Institute of Technology Karnataka (NITK)**, Surathkal, Mangalore from Mar'15 to Sept'19

☞ **Assistant Professor (AGP 6000)** in Department of Civil Engineering, **National Institute of Technology Karnataka (NITK)**, Surathkal, Mangalore from Oct'13 to Mar'15

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

☞ **Senior Project Officer - IIT Madras**, Chennai, Nov'10 - Sep'11.

### **SUBJECTS HANDLED**

- Advanced Concrete Technology
- Modern Concrete Materials and 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**

- Sustainable Concrete Materials
- Concrete Technology
- Geopolymer Concrete
- Safety in Construction
- Building Information Modelling
- Construction Quality Management
- Construction Project Management
- Optimization in Civil Engineering

### **THESIS GUIDANCE**

	Ongoing	Completed
PhD	5 (FT 4 / PT 1)	4
M.Tech (By Research)	-	3
M.Tech	8	76
M.Tech (Foreign Students)	-	3
B.Tech	2	11

## PUBLICATIONS

Referred Journals	: <b>31</b> (WoS & Scopus Indexed – 17)
Book Chapters & Conf. Proc.	: <b>21</b> (Scopus Indexed)
International Conferences	: <b>71</b>
National Conferences/Symposiums	: <b>12</b>

## NO. OF CITATIONS

Web of Science	: <b>203</b>
Scopus	: <b>251</b>
Google Scholar	: <b>409</b>

## ABROAD VISIT

- Chinese Academy of Sciences, Beijing, China, September 2009.
- Kumamoto University. Kumamoto, Japan, March 2016.
- Trinity College Dublin, Dublin, Ireland, September 2016.
- Universiti Putra Malaysia, Kuala Lumpur, Malaysia, July 2017.
- University of Malaya, Kuala Lumpur, Malaysia, August 2018.

## PROFESSIONAL MEMBERSHIP

- Life Member – Indian Concrete Institute

## SCHOLASTIC ACHIEVEMENTS

- **Best paper Award** - *International Conference on Sustainable Construction and Building Materials*, June 2018, Mangaluru.
- **ACCE-NIRMANA NIRVAHANE PURASKARA 2017**, for the best M.Tech Thesis by **B Kaushik** under my supervision.
- **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 GATE - 2004 and secured 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) Programme under BIS Scheme from June 2015.
- **Secretary – DRPC** - Dept. of Civil Engineering, NITK from July 2018 – July 2021.
- **Faculty Advisor**, M.Tech (Construction Tech. & Management) : Batch ( 2019 -2021)
- **Faculty in-charge – Library Affairs** - Dept. of Civil Engineering, NITK from 2018-19.
- **Faculty in-charge** - Alumni Relations for M.Tech (CTM), Dept. of Civil Engineering, NITK.
- **Hostel Warden** - III Block Boys Hostel, NITK from July 2014 – June 2018.
- **Faculty Advisor**, B.Tech (2014 – 2018) : Civil Engineering
- **Reviewer** – Indian Concrete Journal, Structural Engineering and Mechanics: *An International Journal*, SN Applied Sciences – Springer International and Marine Geodesy, SERC – Journal of Structural Engineering, Frontiers in Sustainability, Indian Journal of Science & Technology.
- **Reviewer** - National Conference on Recent Advances in Structural Engineering NCRASE – 2020, NIT Jamshedpur, First International Conference on Sustainable Infrastructure with Smart Technology for Energy and Environmental Management, Bannari Amman Institute of Technology, Erode, International Conference on Sustainable Construction and Building Materials 2018, 4th International Conference on Ocean Engineering

(ICOE) 2018, IIT Madras.

- **Faculty in-charge - Timetable & Exams** in the Dept. of Civil Engineering, NITK. (2013 – 2017)
- **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 Arrangement Committee, NITK-Convocation 2015, 2016, 2017, 2018 & 2019.
- Chaired a Technical sessions in second International Conference on Materials, Mechanics & Structures (ICMMS2022), NIT Calicut 2022 and **ICSCBM 2018**, Mangalore and **SEC 2016**, CSIR – SERC.
- Co-Chaired a Technical session in **IOTSUNAMI2014**, Pondicherry.
- Faculty In charge – **Survey Lab** - Dept. of Civil Engineering, NITK (2014 – 2017).
- **Member** - LOC - Centralized Counseling for M.Tech 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.
- **Member** - NBA - SAR for UG (B.Tech) and PG (M.Tech (ST) ) Programs, NITK.
- **Member – Board of Studies** - Bannari Amman Institute of Technology Sathyamangalam, Tamilnadu; Noorul Islam Centre for Higher Education, Kumaracoil, Tamilnadu; PSN College of Engineering And Technology, Tirunelveli.

## CO-CURRICULUR ACTIVITIES

- **Member - Technical Committee**, 2nd International Conference on Materials, Mechanics & Structures (ICMMS 2022), NIT Calicut, 10-12<sup>th</sup> March 2022.
- **Member - Technical Committee**, International Conference on Advances in Materials and Structures, Pondicherry Engineering College, 4th to 5th May 2020.
- **Convener** - National Conference in Civil Engineering with the theme “New and effective Innovations, Technologies and Key Challenges 2020”, **NCCE-NITK 2020**, NITK Surathkal, 30<sup>th</sup> -31<sup>st</sup> January 2020.
- **Member - Organizing Committee** - - International Conference on Sustainable Construction and Building Materials, June 2018, NITK.
- **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.

## PUBLICATIONS

### Journals (SCI & Scopus Indexed):

1. Thanu, H.P. and **Rajasekaran, C.** (2022) " Assessing the life cycle performance of green building projects: A Building Performance Score (BPS) model approach", *Architectural Engineering and Design Management*. <https://doi.org/10.1080/17452007.2022.2068495>.
2. Arpitha D. and **Rajasekaran, C.** (2021) Study on Durability Properties of Sustainable Alternatives for Natural Fine Aggregate. *J. Inst. Eng. India Ser. A* 102, 1105–1112 (2021).
3. Resmy V.R. and **Rajasekaran, C.** (2021) Stiffness maximization of concrete structures using topology optimization in static and dynamic problems. *Journal of Structural Engineering (Madras)*, Vol. 48 (1), 51-60.
4. Rajeshwari, R., Sukomal Mandal and **Rajasekaran C.** (2021) Compressive strength prediction of SCC containing fly ash using SVM and PSO-SVM models. *Journal of Structural Engineering (Madras)*, Vol. 48 (1), 1-11.
5. Saha, S. and **Rajasekaran, C.** (2020) "Strength and Shrinkage Properties of Heat-Cured Fly Ash-Based Geopolymer Mortars Containing Fine Recycled Concrete Aggregate", *Journal of Testing and Evaluation*, <https://doi.org/10.1520/JTE20180799>. (Advance online publication)
6. Saha, S., **Rajasekaran, C.**, & Gupta, P. (2020). "Performance of eco-friendly mortar mixes against aggressive environments. *Advances in Concrete Construction*", 10 (3), 237–245. <https://doi.org/10.12989/ACC.2020.10.3.237>
7. Thanu, H.P., **Rajasekaran, C.** and Deepak, M.D. (2020) "Developing a building performance score model for assessing the sustainability of buildings", *Smart and Sustainable Built Environment*, Vol. 11 No. 1, pp. 143-161. <https://doi.org/10.1108/SASBE-03-2020-0031>.
8. Saha, S., Shaik, N., and **Rajasekaran, C.** (2020). Volume Change Characteristics of Eco-Friendly Mortar Mixes Produced with Geopolymeric Binder and Recycled Fine Aggregate. *Journal of Testing and Evaluation*, 48 (1), 692-710. <https://doi.org/10.1520/JTE20180316>.

9. Saha, S and **Rajasekaran, C** (2019) "Investigation on the Potential Use of Recycled Fine Aggregate to Produce Geopolymer Mortar Mix," *Advances in Civil Engineering Materials* 8, no. 1 (2019): 1–17, <https://doi.org/10.1520/ACEM20180084>
10. Yaragal, S.C., Basavana Gowda, S N and **Rajasekaran, C.** (2019) "Characterization and performance of processed lateritic fine aggregates in cement mortars and concretes ", *Construction Building and Materials*. 200, 10-25. (<https://doi.org/10.1016/j.conbuildmat.2018.12.072>)
11. Saha, S. 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>).
12. 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. (<http://dx.doi.org/10.12989/acc.2016.4.1.027>)
13. 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).
14. **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>).
15. 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/123456789/344424>).
16. 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.
17. 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.

#### **Journals (Peer Reviewed & Non-Indexed):**

1. Likitha, K.N., Kundhena Srinivas, Gurudev S C, Nischith G D, and Rajasekaran C (2023), Impact of pandemic crisis of COVID-19 on construction industry in India. Vol. 12 No. 1: Ahead of Print 3. *Sustainability, Agri, Food and Environmental Research*, <https://doi.org/10.7770/safer-V12N1-art2784>
2. Rajeshwari R, Sukomal Mandal and **Rajasekaran C.** (2020) "Compressive Strength Prediction of HVFA Control Concrete Using ANN and PSO-ANN Models", *International Journal of Ecology and Development*, 35 (1), 59 -74.
3. Saha, S and **Rajasekaran C.** (2018) "Effects of alkaline solution on the properties of slag based geopolymer." *Applied Mechanics and Materials*. 877, 193-199. doi:10.4028/www.scientific.net/AMM.877.193
4. Swapnil, T., Arpitha, D., Suman Saha and **Rajasekaran C.** (2018) "Suitability of quarry dust as a partial replacement of fine aggregate in self-compacting concrete." *Applied Mechanics and Materials*. 877, 248-253. doi:10.4028/www.scientific.net/AMM.877.248
5. Swathi, S., Katta Venkataramana and **Rajasekaran, C.** (2018). "Evaluation of Performance Point of Structure Using Capacity Spectrum Method", *Applied Mechanics and Materials*, 877, 299-304. doi:10.4028/www.scientific.net/AMM.877.299
6. 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>).
7. Vishnu S Pillai, **Rajasekaran, C.** and Vatsa, P.K. (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>)
8. 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>)
9. Saha, S. 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>)
10. Beena Mary John, Kiran G. Shiralal 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. <https://doi.org/10.1177/1759313115623163>
11. Pandurangan, K., Vijayakumar, G., **Rajasekaran, C.**, and Sivasankaran, D., 2014. Studies on near shore wave transformation of Pondicherry coast, *International Journal of Earth Sciences and Engineering*. 7(2). 461-464.

12. Vijayakumar, G., **Rajasekaran, C.**, Sundararajan, T. and Govindarajulu, D. 2013 Impact of coastal structure on beach morphology: A case study near Sodanaikuppam village, South East coast of India. *International Journal of Earth Sciences and Engineering*.6(6). 1572-1578.
13. Vijayakumar, G., **Rajasekaran, C.**, Sundararajan, T. and Govindarajulu, D. 2013 Impact of coastal structure on beach morphology: A case study near Sodanaikuppam village, South East coast of India. *International Journal of Earth Sciences and Engineering*.6(6). 1572-1578. (<http://cafetinnova.org/innova/archiveList/IJEE/2013/06/02060637.htm?paperID=1353>)
14. **Rajasekaran, C.**, Sannasiraj, S.A. and Sundar, V. (2010) "Breaking wave impact pressure on a vertical wall", *The International Journal of Ocean and Climate Systems*. 1(3), Sep 2010, 155-166. (doi/10.1260/1759-3131.1.3-4.155).

### **Book Chapters & Conference Proceedings (Scopus Indexed)**

1. Pramodkumar Kappadi, Arpitha D., and **Rajasekaran C.**, (2023) Study on Processed Granulated Blast Furnace Slag as a Replacement for Fine Aggregates for the Greener Global Construction. *Recent Advances in Civil Engineering. Lecture Notes in Civil Engineering*, vol 256. Springer, Singapore. <https://doi.org/10.1007/978-981-19-1862-9>.
2. Thilak Kumar Y.T., Arpitha D., Sudarshan V.J., **Rajasekaran C.**, Puttaswamy N. (2021) Study on Compatibility Issues and Flow Behavior of Copper Slag-Based Mortars. In: Singh R.M., Sudheer K.P., Kurian B. (eds) *Advances in Civil Engineering. Lecture Notes in Civil Engineering*, vol 83. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5644-9\\_59](https://doi.org/10.1007/978-981-15-5644-9_59)
3. Sudarshan V.J., Arpitha D., Thilak Kumar Y.T., **Rajasekaran C.**, Puttaswamy N. (2021) Investigations on Flow Characteristics of Mortars Using Partial Replacement of Fine Aggregates with Processed Granulated Blast Furnace Slag. In: Singh R.M., Sudheer K.P., Kurian B. (eds) *Advances in Civil Engineering. Lecture Notes in Civil Engineering*, vol 83. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5644-9\\_36](https://doi.org/10.1007/978-981-15-5644-9_36)
4. Arpitha D., Sudarshan V.J., Thilak Kumar Y.T., **Rajasekaran C.** (2021) Influence of Superplasticizers on Blended Cement and Their Effect on Flow Characteristics by Incorporating PGBS as Partial Replacement for Fine Aggregates. In: Singh R.M., Sudheer K.P., Kurian B. (eds) *Advances in Civil Engineering. Lecture Notes in Civil Engineering*, vol 83. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5644-9\\_35](https://doi.org/10.1007/978-981-15-5644-9_35)
5. Resmy V.R., **Rajasekaran C.** (2021) Evolutionary Topology Optimization of Structural Concrete Under Various Load Cases. In: Singh R.M., Sudheer K.P., Kurian B. (eds) *Advances in Civil Engineering. Lecture Notes in Civil Engineering*, vol 83. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5644-9\\_27](https://doi.org/10.1007/978-981-15-5644-9_27)
6. Thilak Kumar Y.T., Arpitha D., Sudarshan V.J., **Rajasekaran C.**, Puttaswamy N. (2021) Constructive Scope on Implementation of Copper Slag as Replacement for Natural Fine Aggregate—An Overview. In: Narasimhan M.C., George V., Udayakumar G., Kumar A. (eds) *Trends in Civil Engineering and Challenges for Sustainability. Lecture Notes in Civil Engineering*, vol 99. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6828-2\\_20](https://doi.org/10.1007/978-981-15-6828-2_20)
7. Sudarshan V.J., Arpitha D., Thilak Kumar Y.T., **Rajasekaran C.**, Puttaswamy N. (2021) Assessment on Performance of Steel Slag and Processed Granulated Blast Furnace Slag as an Alternative for Fine Aggregate—An Assertive Review. In: Narasimhan M.C., George V., Udayakumar G., Kumar A. (eds) *Trends in Civil Engineering and Challenges for Sustainability. Lecture Notes in Civil Engineering*, vol 99. Springer, Singapore. [https://doi.org/10.1007/978-981-15-6828-2\\_21](https://doi.org/10.1007/978-981-15-6828-2_21)
8. Arpitha D., **Rajasekaran C.** (2021) Influence of Copper Slag Properties on Behaviour of Cement Mortars and Concrete. In: Pathak K.K., Bandara J.M.S.J., Agrawal R. (eds) *Recent Trends in Civil Engineering. Lecture Notes in Civil Engineering*, vol 77. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5195-6\\_51](https://doi.org/10.1007/978-981-15-5195-6_51)
9. Resmy V.R., **Rajasekaran C.** (2020) Topology Optimization of Concrete Dapped Beams Under Multiple Constraints. In: Dutta D., Mahanty B. (eds) *Numerical Optimization in Engineering and Sciences. Advances in Intelligent Systems and Computing*, vol 979. Springer, Singapore. [https://doi.org/10.1007/978-981-15-3215-3\\_5](https://doi.org/10.1007/978-981-15-3215-3_5)
10. Saha S., **Rajasekaran C.** (2019) An Experimental Investigation to Determine the Properties of Fly Ash Based Geopolymers as per Indian Standards. In: Rao A., Ramanjaneyulu K. (eds) *Recent Advances in Structural Engineering, Volume 1. Lecture Notes in Civil Engineering*, vol 11. Springer, Singapore. [https://doi.org/10.1007/978-981-13-0362-3\\_53](https://doi.org/10.1007/978-981-13-0362-3_53)
11. Basavana Gowda S.N., **Rajasekaran C.**, Yaragal S.C. (2019) Strength Characteristics of Laterized Mortars Using Processed Laterite. In: Das B., Neithalath N. (eds) *Sustainable Construction and Building Materials. Lecture Notes in Civil Engineering*, vol 25. Springer, Singapore. [https://doi.org/10.1007/978-981-13-3317-0\\_5](https://doi.org/10.1007/978-981-13-3317-0_5)
12. Muhammad Ramees Ali T.M., **Rajasekaran C.** (2019) Performance of Deep Excavation for an Underground Metro Station Constructed by Top-Down Method—A Case Study. In: Das B., Neithalath N. (eds) *Sustainable Construction and Building Materials. Lecture Notes in Civil Engineering*, vol 25. Springer, Singapore. [https://doi.org/10.1007/978-981-13-3317-0\\_54](https://doi.org/10.1007/978-981-13-3317-0_54)



13. Mahalakshmi G., Rajasekaran C. (2019) Early Cost Estimation of Highway Projects in India Using Artificial Neural Network. In: Das B., Neithalath N. (eds) Sustainable Construction and Building Materials. Lecture Notes in Civil Engineering, vol 25. Springer, Singapore. [https://doi.org/10.1007/978-981-13-3317-0\\_59](https://doi.org/10.1007/978-981-13-3317-0_59)
14. Arjun S., Hemalatha T., Rajasekaran C. (2019) Partial Replacement of Steel Slag Aggregates in Concrete as Fine Aggregates (Induction Blast Furnace Slag). In: Das B., Neithalath N. (eds) Sustainable Construction and Building Materials. Lecture Notes in Civil Engineering, vol 25. Springer, Singapore. [https://doi.org/10.1007/978-981-13-3317-0\\_69](https://doi.org/10.1007/978-981-13-3317-0_69).
15. Saha S., Rajasekaran C., Vinay K. (2019) Use of Concrete Wastes as the Partial Replacement of Natural Fine Aggregates in the Production of Concrete. In: Pradhan B. (eds) GCEC 2017. GCEC 2017. Lecture Notes in Civil Engineering, vol 9. Springer, Singapore. [https://doi.org/10.1007/978-981-10-8016-6\\_32](https://doi.org/10.1007/978-981-10-8016-6_32)
16. Saha S., Rajasekaran C., More A.P. (2019) Use of Foundry Sand as Partial Replacement of Natural Fine Aggregate for the Production of Concrete. In: Das B., Neithalath N. (eds) Sustainable Construction and Building Materials. Lecture Notes in Civil Engineering, vol 25. Springer, Singapore. [https://doi.org/10.1007/978-981-13-3317-0\\_6](https://doi.org/10.1007/978-981-13-3317-0_6)
17. Thanu H.P., Kanya Kumari H.G., **Rajasekaran C.** (2019) Sustainable Building Management by Using Alternative Materials and Techniques. In: Das B., Neithalath N. (eds) Sustainable Construction and Building Materials. Lecture Notes in Civil Engineering, vol 25. Springer, Singapore. [https://doi.org/10.1007/978-981-13-3317-0\\_51](https://doi.org/10.1007/978-981-13-3317-0_51)
18. Basavana Gowda S N, **Rajasekaran, C.** and Subash C Yaragal (2018) Significance of processing laterite on strength characteristics of lateritized concrete, *IOP Conf. Ser.: Mater. Sci. Eng.* 431 082003 (<https://doi.org/10.1088/1757-899X/431/8/082003>)
19. Arpitha D, **Rajasekaran, C.** and Nagesh P. (2018) Investigations on compatibility of cement-superplasticizer interaction and its influence on mortar workability incorporating copper slag as fine aggregate, *IOP Conf. Ser.: Mater. Sci. Eng.* 431 082009 (<https://doi.org/10.1088/1757-899X/431/8/082009>)
20. Thanu, H.P. and **Rajasekaran, C.** (2018) Critical study on performance of building assessment tools with respect to Indian context, *IOP Conf. Ser.: Mater. Sci. Eng.* 431 082011 (<https://doi.org/10.1088/1757-899X/431/8/082011>)
21. Yajneswaran B. , Akshay P.R. , **Rajasekaran C.** & Subba Rao (2015). Effect of Stiffness on Performance of Diaphragm Wall, *Procedia Engineering*, 116, 343-349. doi:10.1016/j.proeng.2015.08.305. doi: 10.1016/j.proeng.2015.08.305

## PERSONAL DETAILS

Nationality	: Indian
Languages Known	: Sourashtra (Mother Tongue), Tamil, English, Kannada & Hindi.
Present Address	: Jay Sri Chandra Nilaya, 1 <sup>st</sup> Right Cross, Swarapara Mane Road, Padre, Surathkal, Mangalore, Karnataka, INDIA 575025.
Web links	:
Webpage	: <a href="http://civil.nitk.ac.in/faculty/c-rajasekaran">http://civil.nitk.ac.in/faculty/c-rajasekaran</a>
SCOPUS	: <a href="https://www.scopus.com/authid/detail.uri?authorId=56035270500">https://www.scopus.com/authid/detail.uri?authorId=56035270500</a>
Google Scholar	: <a href="https://scholar.google.co.in/citations?hl=en&amp;user=PdLNv3YAAAAAJ">https://scholar.google.co.in/citations?hl=en&amp;user=PdLNv3YAAAAAJ</a>
Research Gate (RG Score:17.85)	: <a href="https://www.researchgate.net/profile/Rajasekaran-Chandrasekaran">https://www.researchgate.net/profile/Rajasekaran-Chandrasekaran</a>
ORCID	: <a href="https://orcid.org/0000-0002-8023-2164">https://orcid.org/0000-0002-8023-2164</a>
Web of Science ResearcherID	: Q-4619-2018 ( <a href="https://publons.com/researcher/1868621/rajasekaran-c/">https://publons.com/researcher/1868621/rajasekaran-c/</a> )
VIDWAN	: <a href="https://vidwan.inflibnet.ac.in/profile/98905">https://vidwan.inflibnet.ac.in/profile/98905</a>

## DECLARATION

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

**Rajasekaran, C.**

**Updated as on 04/05/2022**