Dr. RAJASEKARAN, C. M.Tech., PhD., MICI, FIE.
Associate Professor - Department of Civil Engineering,
National Institute of Technology Karnataka, Surathkal.
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ACADEMIC QUALIFICATION

- **PhD** from **Indian Institute of Technology (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 – 17 YEARS; 13 YEARS AT NITK)*

- **Associate Professor** in Department of Civil Engineering, **National Institute of Technology Karnataka (NITK)**, Surathkal, Mangalore from Oct'23 to till date.
- **Assistant Professor** in Department of Civil Engineering, **National Institute of Technology Karnataka (NITK)**, Surathkal, Mangalore from Oct'13 to Oct'23.
- **Scientist - C** (Under Quick Hire Scheme), Ocean Engineering Division, **CSIR - National Institute of Oceanography**, Goa, Sep'11 to Oct'13.
- **Project Officer** - Department of Ocean Engineering, **IIT Madras,** Chennai, Jul'05 – Dec'08.

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
- Geopolymer Concrete
- Safety in Construction
- Construction Quality Management
- Construction Project Management
- Optimization in Civil Engineering

THESIS GUIDANCE

	Completed	Ongoing
PhD	8	4 (FT 3 / PT 1)
M.Tech (By Research)	4	-
M.Tech	137	9
M.Tech (Foreign Students)	3	-
B.Tech (Batches)	21	2

PUBLICATIONS

Referred Journals	: **44** (*WoS & Scopus Indexed –30*)
Book Chapters & Conf. Proc.	: **22** (*Scopus Indexed*)
International Conferences	: **64 (***Attended in person: Inside India – 21; Abroad – 5*)
National Conferences/Symposiums	: **12** *(Attended in person: 6)*

NO. OF CITATIONS

Web of Science	: **526**
Scopus	: **725**
Google Scholar	: **1080**
ResearchGate	: **952**

ABROAD VISIT

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

PROFESSIONAL MEMBERSHIP

- **Fellow of *Institution of Engineers* (*India*) –** Civil Engineering Divison
- **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 Kuppuswamy Memorial Award **for good academic record** 2001 – 2003.
- **First Rank Holder** in the Civil Engg. Department, PEC for the years 2001- 2003.

ACADEMIC RESPONSIBILITIES

- **Coordinator, L&T Sponsored M.Tech (CTM) Programme under BIS Scheme from April 2024**
- **Faculty in-charge,** Civil Engineering Materials Lab from July 2022
- **Superintending Engineer (i/c) –** Works Establishment Section, NITK Surathkal from Jan 2024 – Dec 2025
- **Faculty Advisor,** M.Tech (Construction Tech. & Management) : Batches (2026-2028, 2022-2024,2019 -2021) and B.Tech (2014 – 2018) : Civil Engg
- **Co-Coordinator**, L&T Sponsored M.Tech (CTM) Programme under BIS Scheme from June 2015 – April 2023.
- **Verification Officer –** JoSAA 2022 & CSAB 2022.
- **Secretary – DRPC -** Dept. of Civil Engineering, NITK from July 2018 – July 2021.
- **Faculty in-charge – Library Affairs &** Alumni Relations for M.Tech (CTM) **-** Dept. of Civil Engineering, NITK from 2018-19.
- **Hostel Warden** - III Block Boys Hostel, NITK from July 2014 – June 2018.
- **Faculty in-charge - Timetable & Exams** in the Dept. of Civil Engineering, NITK Surathkal. (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.
- **Convener**, Seating Arrangement Committee, NITK Surathkal -Convocation 2015, 2016, 2017, 2018 & 2019.
- Chaired a *Technical sessions in International Conference on Climate Resilient Construction and Building Materials , NITK Surathkal, March 2023, Second International Conference on Materials, Mechanics & Structures (ICMMS2022), NIT Calicut 2022 and* ***ICSCBM 2018,*** *Mangalore* ***and SEC 2016****, CSIR – SERC.* And in *NCSGE2022* held at NIT Jamshedpur, November 2022.
- Co-Chaired a Technical session in **IOTSUNAMI2014**, Pondicherry.

- Faculty In charge – **Survey Lab** - Dept. of Civil Engineering, NITK Surathkal (2014 – 2017).
- **Member** - LOC - Centralized Counseling for M.Tech Admission **(CCMT 2016)**, NITK Surathkal.
- **Member** - RPAC -For PhD scholars in App. Mech Dept, Elect. & Mechanical Engg. Dept., NITK Surathkal.
- **Member** - NBA - SAR for UG (B.Tech) and PG (M.Tech (ST)) Programs, NITK Surathkal.
- **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.*
- **Reviewer –** *Indian Concrete Journal, Construction and Building Materials, Structural Engineering and Mechanics: An International Journal, SN Applied Sciences – Springer International and Marine Geodesy, SERC – Journal of Structural Engineering, , Indian Journal of Science & Technology. Ocean Engineering. Materials Today: Proceedings. Frontiers in Sustainability, Structures. Ocean Dynamics.*
- **Reviewer** - *National Conference on Recent Advances in Structural Engineering NCRASE – 2020 and NCSGE2022 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.*

CO-CURRICULUR ACTIVITIES

- **Coconvenor -** "*Collaborative Workshop and Capacity Building on Durability and Sustainability of Concrete*", NITK Surathkal, 11-12June, 2026.
- **Member - Technical Committee**, *2nd International Conference on Materials, Mechanics & Structures* (ICMMS 2022), NIT Calicut, 10-12th March 2022.
- **Convener -** *National Conference in Civil Engineering with the theme "New and effective Innovations, Technologies and Key Challenges 2020"*, **NCCE-NITK 2020,** NITK Surathkal, 30th -31st 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 Surathkal, May 19-20, 2014.

PUBLICATIONS (AFTER 2016)

Journals (SCI & Scopus Indexed):

1. Mishra, S.K., Das, B.B. and **Rajasekaran, C** (2026). "Enhancing Printability of 3D Printable Mortars Using Quaternary Blended Binders. *Indian Concrete Journal*. (Accepted for Publication)
2. Mishra, S.K., Das, B.B., **Rajasekaran, C** and Barbhuiya, S. (2026). uning the Hydration and Printability in Nano-Modified Quaternary Binder Systems for 3D-Printed Mortar. *Journal of Sustainable Cement-Based Materials* (accepetd for publication) https://doi.org/10.1080/21650373.2026.2629853
3. Mishra, S.K., Snehal, K., Das, B.B., **Chandrasekaran, R.** and Barbhuiya, S. (2025). From printing to performance: a review on 3D concrete printing processes, materials, and life cycle assessment. *Journal of Building Pathology and Rehabilitation*, 10(2), Article number 117.
4. Kiran P Bhat, **Rajasekaran C,** and B B Das (2025), Enhancing sustainability with ternary blended cement and fine aggregate in self-compacting lateritic concrete with supplementary materials, *Case Studies in Construction Materials*, 23, Article number e05179. *10.1016/j.cscm.2025.e05179*
5. David Clement, **Rajasekaran C.,** Sarthak Agarwal, and Manda Pratap, (2025) Microstructural insights of geopolymer mortar using binary blended sustainable fine aggregates, *Case Studies in Construction Materials*, 22, Article number e04753. 10.1016/j.cscm.2025.e04753
6. David Clement and **Rajasekaran, C.** (2025), Assessment on the Effectiveness of Chemical Admixture in Processed Laterite and Copper Slag Based Geopolymer Mortar, *Construction and Building Materials 464,140135. https://doi.org/10.1016/j.conbuildmat.2025.140135*
7. Kiran P Bhat, **Rajasekaran C,** and B B Das (2024), Performance Characteristics of Self-compacting Concrete Containing Lateritic Fine Aggregate as a Partial Replacement to Natural River Sand, *Materials Research Express, Vol. 11, Issue No. 11.*

8. Arpitha D. Abasin Salihi and **Rajasekaran, C.** (2023) Suitability study of processed granulated blast furnace slag (PGBS) as fine aggregate replacement in mortar exposed to the marine environment. *Materials Today: Proceedings. https://doi.org/10.1016/j.matpr.2023.04.351*

9. Arjun, S., Hemalatha, T., and **Rajasekaran, C. (**2023). "Performance assessment of steel slag aggregates as partial replacement of river sand in concrete", *The Indian Concrete Journal*, Vol. 97, No. 4, pp. 36-42.

10. Basavana Gowda, S.N., Yaragal, S., **Rajasekaran, C.** and Goudar, S.K. (2023), "Performance and microstructural investigations of processed lateritic fine aggregates in blended cement mortars exposed to elevated temperatures", *Journal of Structural Fire Engineering*, Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/JSFE-01-2023-0010

11. Suman Saha & **Chandrasekaran Rajasekaran** (2023): Influence of the mix parameters on shrinkage properties of environment-friendly mortar, *Australian Journal of Civil Engineering*, DOI: 10.1080/14488353.2023.2173359. *(Published Online)*

12. Saha, S., **Rajasekaran, C.,** Ganiger, M. S., and Sajjan, S. (2022). "Experimental investigations on the properties of concrete containing pre-soaked recycled fine aggregate", *The Indian Concrete Journal*, 96 (9), 1-12.

13. 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.

14. Arpitha D. and **Rajasekaran, C.** (2021) Study on Durability Properties of Sustainable Alternatives for Natural Fine Aggregate. *Journal of The Institution of Engineers (India): Series A,* 102, 1105–1112.

15. 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),* 48 (1), *51-60.*

16. 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),* 48 (1), 1-11.

17. Saha, S. and **Rajasekaran, C.** (2020) "Strength and Shrinkage Properties of Heat-Cured Fly Ash–Based Geopolymer Mortars Containing Fine Recycled Concrete Aggregate", ASTM - *Journal of Testing and Evaluation*, 48(6), 4735-4747. https://doi.org/10.1520/JTE20180799.

18. 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

19. 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*, 11(1), 143-161.

20. 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.

21. Saha, S., Shaik, N., and **Rajasekaran, C**. (2020). Volume Change Characteristics of Eco-Friendly Mortar Mixes Produced with Geopolymeric Binder and Recycled Fine Aggregate. ASTM - *Journal of Testing and Evaluation*, 48 (1), 692-710. https://doi.org/10.1520/JTE20180316.

22. Saha, S and **Rajasekaran, C** (2019) "Investigation on the Potential Use of Recycled Fine Aggregate to Produce Geopolymer Mortar Mix," ASTM - *Advances in Civil Engineering Materials*, 8 (1), 1–17, https://doi.org/10.1520/ACEM20180084

23. 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)

24. 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).

25. 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. DOI: http://dx.doi.org/10.12989/acc.2016.4.1.027.

26. 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).

27. 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).

28. 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).

29. 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.

30. 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 in Scopus):

1. Divya Waghmare, Sanjeet Kumar Mishra, **Rajasekaran C** and B. B. Das (2025), A Review on Mix Design and Fresh Properties of 3D Printable Concrete, *Climate Resilient Construction and Building Materials*, Cambridge Scholars Publishing, 113 – 130. https://www.cambridgescholars.com/product/978-1-0364-4156-2

2. David Clement, **Rajasekaran C.** and Erugula Satish (2025), Performance Assessment of Concrete Strength by Replacement of Fine Aggregate with Bottom Ash, *Climate Resilient Construction and Building Materials*, Cambridge Scholars Publishing, 350-363. https://www.cambridgescholars.com/product/978-1-0364-4156-2

3. Kiran Bhat P, Navya Koppana and **Rajasekaran C** (2025) Parametric Study on Sustainable Alternative Materials for Construction of Breakwaters, *Climate Resilient Construction and Building Materials*, Cambridge Scholars Publishing, 417-432. https://www.cambridgescholars.com/product/978-1-0364-4156-2

4. Ganesh B., Kiran P Bhat & **Rajasekaran, C**. (2024). Corrosion and Bond Strength Behaviour of Fly Ash-Based Lateritic Self-Compacting Concrete. *Mater Circ Econ* 6, 48. https://doi.org/10.1007/s42824-024-00139-4

5. 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

6. 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*

7. 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*

8. 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

9. 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)*.

10. Vishnu S. Pillai, **Rajasekaran, C.,** Vatsa. P.K. (2016) Monitoring and Forecasting in Construction Projects Using Time Buffer. *Journal of Construction Engineering, Technology & Management*. 2016. 6(2): 9–16p.

11. Suman Saha, **Rajasekaran C.(**2016) Strength Characteristics of Recycled Aggregate Concrete Produced with Portland Slag Cement. *Journal of Construction Engineering, Technology & Management*, 6(1): 70–77p.

12. Beena Mary John, Kiran G. Shirlal, Subba Rao and **Rajasekaran C.** (2016) Effect of Artificial Seagrass on Wave Attenuation and Wav 9. 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.

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.

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).e Run up, *International Journal of Ocean and Climate Systems*. 7 (1). 14-19.

Book Chapters & Conference Proceedings

1. Resmy, V.R & **Rajasekaran, C.** (2024). Topology Optimization of Concrete Beam Using Higher Order Finite Elements. *Lecture Notes in Civil Engineering*, Vol. 528, B. R. Jayalekshmi et al. (Eds): Technologies for Sustainable Buildings and Infrastructure. pp. 113–123.
2. Ajmal, M**., Rajasekaran, C.** (2023). Comparison of Afghanistan's Construction and Engineering Contract with International Contracts of FIDIC RED BOOK (2017) and NEC4—ECC. In: Ranadive, M.S., Das, B.B., Mehta, Y.A., Gupta, R. (eds) Recent Trends in Construction Technology and Management. Lecture Notes in Civil Engineering, vol 260. Springer, Singapore. https://doi.org/10.1007/978-981-19-2145-2_24.
3. Arpitha, D., **Rajasekaran, C.,** Kappadi, P. (2023). Study on Processed Granulated Blast Furnace Slag as a Replacement for Fine Aggregates for the Greener Global Construction. In: Nandagiri, L., Narasimhan, M.C., Marathe, S. (eds) Recent Advances in Civil Engineering. Lecture Notes in Civil Engineering, vol 256. Springer, Singapore. https://doi.org/10.1007/978-981-19-1862-9_52.
4. 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
5. 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.
6. 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
7. 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
8. 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
9. 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
10. 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
11. 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
12. 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

13. 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

14. 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

15. 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

16. 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.

17. 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

18. 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

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DECLARATION

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

Rajasekaran, C.

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