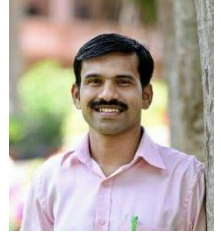


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## Dr. SREEVALSA KOLATHAYAR

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**Date of Birth:** 30<sup>th</sup> May 1985

### EDUCATION

- **B.Tech** (Civil Engg.), Government Engg. College Thrissur (**University of Calicut**), 2002-06.
- **M.Tech** in Civil Engg. (Geotechnical), **Indian Institute of Technology Kanpur**, 2007-09.  
*Title:* Seismic Earth Pressure on Cantilever Retaining Walls: Pseudo-Dynamic Approach  
*Thesis supervisor:* Prof. Priyanka Ghosh.  
*M.Tech publications:* International Journals: **03**, Conference: **02**
- **PhD** (Earthquake Geotechnical Engg.), **Indian Institute of Science** Bangalore, 2009-13.  
*Title:* Comprehensive Seismic Hazard Analysis of India  
*Thesis supervisor:* Prof. T G Sitharam  
*PhD Publications:* International Journals: **10**, Conference: **11**
- **International Research Fellowship**, UPC BarcelonaTech, Spain, 2013.  
**Marie Curie Action Fellowship by the European Union**

### RESEARCH PUBLICATIONS

- Books (Authored): **05** (Springer-03, CRC Press-01, Elsevier-01)
- Books (Edited): **07** (Springer – 01, CRC Press-01)
- Conference Proceedings Book Volumes (Edited): **15** (Springer)
- Journal Publications: **54**
- Book Chapters: **18**
- Conference Articles: **27** (**10 ASCE Special Publications**)
- Technical Reports: **12**
- **Citations: 1280**, [*h*-Index: 17, *i10* index: 36]

### AWARDS & RECOGNITIONS

1. **Nominated as Young Water Professional by International Water Association (IWA)**
2. **Featured in Geostrata Magazine of ASCE Geo-Institute in 2021**
3. **IEI Young Engineer Award 2019-20** in Civil Engineering Discipline by The Institution of Engineers (India).
4. **Er. Dr. B R Samaga Young Civil Engineer Award 2022** by The Institution of Engineers (India), Mangaluru Local Centre

5. **ISET DK Paul Research Award for Best PhD Thesis in the area of Earthquake Risk Reduction**, by Indian Society of Earthquake Technology, IIT Roorkee, (for 2013-16).
6. **Excellence in Research Award** by Amrita Vishwa Vidyapeetham, 2018.
7. **Award** by Center for Coastal Reservoir Research, Univ. of Wollongong, Australia. 2018
8. **40 under 40: South India's Most Inspiring Young Teacher Award**, by The New Indian Express, 2017
9. **Professional Excellence Award** by IACRR at Kuala Lumpur, 2017.
10. **Marie Curie Action Fellowship** by European Union, 2013.
11. *SERB International Travel Grant in 2019, Govt of India*
12. *DST International Travel grant in 2009, Govt of India*

## PATENTS

1. Kolathayar S and Aravind CA (2017). A Method for Producing Geocells and Geogrids Using Areca Leaf Sheath. **Patent no.: 201741037634 (Granted)**
2. Kolathayar S (2019). A method for producing Cellular Confinement System for Soil Reinforcement Using Coconut Shells. **Patent No.201941031728 A (Granted)**
3. Kolathayar S (2024), A Process of Mechanized Fabrication of Geocell from Jute fabric, Patent No. 202441065260 (Filed)

## EDITORIAL BOARD MEMBERSHIPS

- Associate Editor, International Journal of Geotechnical Earthquake Engineering (IJGEE), IGI Global (2019-Till date)
- Associate Editor, International Journal of Geosynthetics and Ground Engineering, Springer (2019-22).

## RESEARCH INTERESTS

- Ground Motion Attenuation & Seismic Hazard Assessment
- Local Site effects & Liquefaction Susceptibility
- Geotechnical structures under Seismic Loading – Analytical Studies
- Disaster Risk Reduction (Earthquake Readiness Index, Disaster Geotechnics)
- Geosynthetics, Geonaturals and Geocells
- Soil Stabilization and fiber reinforcement
- Water Geotechnics
- Geotechnical considerations for coastal reservoirs

## Ph.D. GUIDANCE

1. **Mr. Ramkrishnan R**, Regd at IISc (ERP) in 2016, Supervisor (Orgn) [Completed in 2020]  
'Development of Ground Motion Prediction Equations for Seismic hazard Assessment and Land Use Analysis'
2. **Pankaj Bariker**. 'Experimental investigations and Numerical analysis on the performance of Finned Pile foundations' Registered at NITK (Thesis Defended on 14 Sep 2023).
3. **Varun Menon O** Registered at NITK (Progress 2 Seminar completed. Expected to submit soon)
4. **Dani Jose** Registered at NITK (Progress 1 Seminar completed)

5. **Sandeep N** Registered at NITK (Proposal Seminar Completed)
6. **Priyajit Kundu** Registered at NITK (Comprehensive Exam Completed)
7. **Renna James** Registered at NITK (Comprehensive Exam Completed)
8. **Chetan L** Registered at NITK (Comprehensive Exam Completed)
9. **Pradeep Kumar** Registered at NITK (Undergoing coursework)
10. **Seema AG** Registered at NITK (Undergoing coursework)
11. **Dhanya Raveendran** Registered at NITK (Undergoing coursework)
12. **Hari Padmanabhan** Registered at Srinivas University (Expected to submit soon)

**M.TECH GUIDANCE: 24 completed, 04 ongoing**

**B.Tech Project Groups: 16 Completed, 02 Ongoing**

### REVIEWER OF JOURNALS

Geotextiles and Geomembranes, Proceedings of the National Academy of Sciences, India, Section A: Physical Sciences, Journal of Asian Earth Sciences, GeoRisk, Acta Geotechnica, Journal of Seismology, Journal of Earthquake Engineering, International Journal of Geosynthetics and Ground Engineering, Indian Geotechnical Journal, International Journal of Geotechnical Earthquake Engineering, Natural Hazards (Springer), Cogent Engineering, Natural Hazards and Earth System Sciences, Journal of Materials in Civil Engg (ASCE), Earthquake Engg an Engg Vibration, International Journal of Disaster Resilience in the Built Environment, Int'l J. Geomechanics (ASCE), Soil Dynamics and Earthquake Engg.,.....

### ENTREPRENEURSHIP

- Member, Board of Directors, G-Intelligence, IIT Kanpur-based Startup (2017-till date).
- Managing Partner, Ignited Minds (Event Management & Consultancy Company) 2006-07

### PROFESSIONAL MEMBERSHIPS AND POSITIONS

- TC Member of 'Earthquake Engineering and Soil Dynamics', Technical Committee of Geo-Institute, American Society of Civil Engineers (ASCE) (April 2019- )
- TC Member of 'Engineering Geology and Site Characterization', Technical Committee of Geo-Institute, American Society of Civil Engineers (ASCE) (April 2019- )
- Executive Committee Member, Indian Society of Earthquake Technology (ISET IIT Roorkee)
- Life Member, Indian Geotechnical Society (IGS) LM-4381
- Life Member, Indian Society of Earthquake Technology (ISET IIT Roorkee) LM 1623
- Life Member, Association of Consulting Civil Engineers (ACCE) 6653 L
- Secretary, India Chapter, International Association for Coastal Reservoir Research, Regd Australia.
- Management Committee Member, Soil Dynamics Forum, IIT Roorkee
- Member of Estate & Works Committee of Chanakya University (2022-)
- Governing Board Member - Centre for Education & Social Studies (CESS), Bangalore
- Expert member of the Working Group (WG) on developing a new Indian Standard IS 13920 (Part 11) on "Earthquake Resistant Design and Detailing of Coastal Structures."

- Expert member of the Working Group on developing a new Indian Standard IS 15988 (Part 11) “Earthquake Safety Assessment and Retrofitting - Coastal Structures”

## IMPORTANT ASSIGNMENTS

1. Professor In-charge Institute Innovation Council (IIC), NITK
2. Fulbright Campus Representative, NITK
3. Leading Consultant to several Infrastructure projects (Retaining wall, foundation slope stability) [Clients: Indian Naval Academy, Tata Coffee Ltd., MRPL, ISPRL, NMPT, Mangalore City Corporation, All India Radio etc.]
4. Represented India at 2<sup>nd</sup> Sino-South Asian Countries Disaster Prevention and Reduction Forum at Chengdu China in May 2018
5. Member, Geotechnical and Geo-environmental Research Group, Edith Cowan University, Australia.
6. Elected Executive Committee Member, Indian Institute of Science (IISc) Alumni Association (2018-20)
1. Faculty Coordinator, ASCE Student Chapter, VIT Vellore (2018-19)
2. Member, Special Committee to prepare guidelines on Earthquake Preparedness, Indian Society of Earthquake Technology, IIT Roorkee
3. Consultant, Field extension activities for ground water management and rural water distribution networks (Jammu, Uttarakhand, Bihar, Andhra Pradesh and Tamil Nadu), Amrita SeRve – Self Reliant Village, <http://amritaserve.org/>.
4. Faculty Advisor to ‘Think India’, Forum students from National Institutes like IISc, IITs, IIMs.
5. Reviewer, Gandhian Young Technological Innovation Award, National innovation Foundation
6. Chairman, Students' Council (2011-12), Indian Institute of Science Bangalore.

## WORK EXPERIENCE

1. Associate Professor, Dept. of Civil Engg., **National Institute of Technology Karnataka (NITK) Surathkal** (Oct 2023-Present)
2. Assistant Professor [Grade I], Dept. of Civil Engg., **National Institute of Technology Karnataka (NITK) Surathkal** (Nov 2019- Sep 23)
3. Associate Professor, School of Civil Engg., **Vellore Institute of Technology (VIT) Vellore** (Nov 2018- Nov 2019)
4. Assistant Professor [SG], Department of Civil Engineering, **Amrita Vishwa Vidyapeetham, Coimbatore.** (Oct 2015- Nov 2018)
5. Senior Research Associate, Centre for Sustainable Transportation and Urban Planning, **Indian Institute of Science Bangalore** (June 2015- Sep 15)
6. Assistant Professor, Department of Civil Engineering, **Indian School of Mines (currently IIT), Dhanbad** (May 2013-June 2014).
7. International Research Staff, Department of Geotechnical Engg and Geo-Sciences **Universitat Polytechnica de Catalunya, Barcelona Tech, Spain** and Visiting Scientist, Institute Geologic de Catalunya (IGC), (Mar-May 2013).
8. Project Associate, Department of Civil Engineering, **IIT Kanpur** (Jan - July 2009).

9. Lecturer, Department of Civil Engineering, **Govt. Engg. College, Thrissur** (February 2007 to July 2007).

## FUNDED PROJECTS

1. "Feasibility of impounding Netravati River floodwaters for water resource development in Mangaluru" funded by BWSSB, Govt of Karnataka, for an amount of 24 lakhs, along with IISc and NITK., 2017-19
2. File No. IMP/2018/001298. Project title: "Impounding of River flood waters along Dakshina Kannada Coast: A sustainable strategy for water resource development"., approved under IMPRINT-2 programme of DST/SERB with MHRD (Total 1.1 crores) as Co-PI with a research component of 55 lakhs, 2019-22
3. "Coastal reservoirs as a sustainable strategy for Water Security", SPARC, ID: 330, Govt of India, Total 60 lakh Rupees. Indian Institutes: NITK & IISc. Australian Institute: University of Wollongong Australia. 2019-22
4. Development of AI-based Prediction System Coupled with Ecological Mitigation Technologies for Landslide Prone Areas, Sponsored by DST TDP, DST/TDT/TDP-73/2022, Co-PI: Dr. Sreevalsa Kolathayar (2022-25)
5. Computation of Site-Specific Earthquake Parameters and Dynamic Analysis of Bhandardara Masonry Dam, Sponsored by Water Resources Department, Govt. of Maharashtra, No. AID/PB-3/80-2022, PI: Dr. Sreevalsa Kolathayar (2022-24)
6. Technology Development and Engineering Performance Evaluation of Jute Geocells for Slope Stabilization and Pavement Applications, Funded by National Jute Board, Ministry of Textiles, Govt. of India, NJB/Tech/JPDS/2022-23/8609, Rs. 48 lakhs PI: Dr. Sreevalsa Kolathayar (2023-25)
7. CoE in Water-related disaster management, 60 lakhs, Govt. of Kerala, No. 241/2022/KSCSTE, Collaborator: Dr. Sreevalsa Kolathayar (2022-25)
8. Establishment of Geotextile Laboratory, 6.2 crores, NTTM Ministry of Textiles, Edu-23-00024, Coordinator: Dr. Sreevalsa Kolathayar (2023-25)
9. Development of an Integrated Intelligent Disaster Management System for Mountain Communities in India, DST TDP, Rs. 3.5 crores, TPN-77227, PI: Dr. Sreevalsa Kolathayar (2024-27)
10. Capacity Building on Design Thinking and Entrepreneurship, MoE, Rs. 1 crore, MoE-CBDE-2024-NITK, PI: Dr. Sreevalsa Kolathayar (2024-26)
11. AquaWISE-AI-Enhanced Water Intelligent System Engineering for NITK Campus, Rs. 34 lakhs. NITK Endowment Fund. (Co-PI)

## LIST OF PUBLICATIONS

### Books

1. *Civil Engineering Innovations for Sustainable Communities with Net Zero Targets*. Sreevalsa Kolathayar, N Vinod Chandra Menon, Sreekechava K S, ISBN: 9781032686899, CRC Press, Taylor & Francis, 2024, <https://doi.org/10.1201/9781032686899>
2. *Civil Engineering for Disaster Risk Reduction*. Kolathayar S, Pal I, SC Chian, Mondal A, ISBN 978-981-16-5311-7. Springer. 2021, <https://link.springer.com/book/10.1007/978-981-16-5312-4>
3. *Earthquake Hazard Assessment*. Kolathayar S and Sitharam TG. ISBN 978-1-138-30923-4, CRC Press / Balkema, Taylor & Francis Group, 2018. <https://doi.org/10.1201/9781315143811>

4. *Theory and Practice in Earthquake Engineering and Technology*. Sitharam, T. G., Kolathayar, S., Jakka, R. S., & Matsagar, V. Springer, 2022. ISBN: 978-981-19-2323-4. DOI: <https://doi.org/10.1007/978-981-19-2324-1>
5. *Advances in Earthquake Geotechnics (Springer Tracts in Civil Engineering)*. Sitharam TG, Jakka RS, Kolathayar S, 2022, Springer. ISBN: 978-981-19-3329-5. DOI: <https://doi.org/10.1007/978-981-19-3330-1>
6. *Geocells - Advances and Applications*. T. G., Sitharam, Hegde, Amarnath M., Kolathayar, Sreevalsa (Eds.), Springer, ISBN: 978-981-15-6094-1, 2020. <https://doi.org/10.1007/978-981-15-6095-8>
7. *Latest Developments in Geotechnical Earthquake Engineering and Soil Dynamics*, Sitharam, T.G., Jakka, Ravi, Kolathayar, Sreevalsa (Eds.), Springer, 2021, ISBN: 978-981-16-1467-5. DOI: <https://doi.org/10.1007/978-981-16-1468-2>
8. *Comprehensive Seismic Zonation Schemes for Regions at different Scales*. Sitharam T.G., Naveen James and Kolathayar S. ISBN: 978-3-319-89658-8, Springer International Publishing, 2018. DOI: <https://doi.org/10.1007/978-3-319-89659-5>
9. *Sustainable Water Resource Development Using Coastal Reservoirs (Elsevier)*, T.G. Sitharam Shu-Qing Yang Roger Falconer Muttucumaru Sivakumar Brian Jones Sreevalsa Kolathayar Lim Sinpoh, Paperback ISBN: 9780128180020, 2020.
10. *Preparing for Earthquakes: Lessons for India*. Sitharam T.G. and Kolathayar S. ISBN: 978-3-319-59521-4, Springer International Publishing, 2017. DOI: <https://doi.org/10.1007/978-3-319-59522-1>

#### Edited Books/Conference Proceedings

11. Kolathayar, S., Vinod Chandra Menon, N., Sreekeshava, K. S., (2023, July). *Best Practices in Geotechnical and Pavement Engineering*: Springer Nature Singapore. ISBN 978-981-99-8504-3
12. *Recent Advances in Earthquake Engineering*, Sreevalsa Kolathayar, Siau Chen Chian, Springer Singapore, 2022. ISBN: 978-981-16-4616-4
13. *Sustainable Cities and Resilience (Lecture Notes in Civil Engg)* Pal, Kolathayar Springer, Singapore, 2022. ISBN: 978-981-16-5542-5
14. *Resilient Infrastructure (Lecture Notes in Civil Engg)* Kolathayar, Ghosh, Basanta, Pal, Mondal, Springer Singapore ISBN: 978-981-16-6977-4
15. *Climate Change and Water Security (Lecture Notes in Civil Engg)* Kolathayar, Mondal, Chian, Springer Singapore, 2022. ISBN: 978-981-16-5500-5
16. *Geohazard Mitigation (Lecture Notes in Civil Engg)* Adhikari, Kolathayar Springer, Singapore, 2022. ISBN: 978-981-16-6139-6
17. *A System Engineering Approach to Disaster Resilience (Lecture Notes in Civil Engg)* Ghosh, Kolathayar Springer, Singapore, 2022. ISBN: 978-981-16-7396-2
18. *Soil Dynamics, Earthquake and Computational Geotechnical Engineering: Proceedings of the Indian Geotechnical Conference 2021 Volume 5*, Kasinathan Muthukkumaran, R. Ayothiraman, Sreevalsa Kolathayar. Springer, Singapore, ISBN: 9789811969973
19. *Earthquakes and Structures (Lecture Notes in Civil Engg)* Sitharam Kolathayar, Jakka, Springer Singapore, 2022. ISBN: 978-981-16-5672-9
20. *Earthquake Geotechnics (Lecture Notes in Civil Engg)* Sitharam Kolathayar, Jakka, Springer, Singapore, 2022. ISBN: 978-981-16-5668-2
21. *Proceedings of the 2nd International Symposium on Disaster Resilience and Sustainable Development. Volume 1 - Multi-hazard Vulnerability, Climate Change and Resilience Building*. Indrajit



Pal, Sreevalsa Kolathayar, Sheikh Tawhidul Islam, Anirban Mukhopadhyay, Iftexhar Ahmed. Springer, 2022. ISBN: 978-981-19-6296-7

22. Smart Technologies for Sustainable Development Select Proceedings of SMTS 2019, Shukla, S.K., Chandrasekaran, S., Das, B.B., Kolathayar, S. (Eds.), Springer, ISBN: 978-981-15-5000-3
23. Ground Improvement Techniques, Select Proceedings of 7th ICORAGEE 2020. Sitharam TG, Parthasarathy CR, Kolathayar S, Springer, ISBN: 978-981-15-9987-3
24. Seismic Hazard and Risk, Select Proceedings of 7th ICORAGEE 2020. Sitharam TG, Kolathayar S, Sharma ML. Springer, ISBN: 978-981-15-9975-0
25. Seismic Design and Performance, Select Proceedings of 7th ICORAGEE 2020. Sitharam TG, Raghuveer Rao, Kolathayar S. Springer, ISBN: 978-981-334-004-6
26. Sarkar, B. C., Srinivas, P. and Kolathayar, S. (2014) Water and its Sustainability in Mining and other Environment: Vision 2050, ISBN: 978-93-5156-850-6, 319 p
27. Anand K B and Kolathayar S (2016) Proceedings of the International Conference on Emerging & Sustainable Technologies for Infrastructure Systems, 22-23 April, Amrita Vishwa Vidyapeetham, Coimbatore.
28. Kolathayar S and Patankar D (2012) Report on Samanway 2012 – National Conference (on Connecting Science and Society) organized by Students Council in association with IISc Administration, IISc Alumni Association North America Chapter, Karnataka State Council for Science and Technology & CiSTUP.

### Technical Reports

1. Basudhar P. K., Ghosh P., Dey A., Kolathayar S. and Nainegali L. S. (2010) Reinforced earth design of embankments and cuts in railways. Submitted to Research Design and Standards Organization (RDSO) Lucknow, India, Report No. GE/GEN/51 IIT Kanpur Vol. IV.
2. Basudhar, P. K., Ghosh, P., Das A, Kolathayar S (2010) Suitability of CBR in design of railway subgrades. Submitted to Research Design and Standards Organization (RDSO) Lucknow, India.
3. T. G. Sitharam, K.S. Vipin, R S. Jakka, S Kolathayar, N James, Anita Kumari S D (2011) Geotechnical / Geophysical Investigations for Seismic Microzonation Studies of Urban Centres in India, National Disaster Management Authority, Govt of India.
4. Sitharam et al. (2017) Feasibility Study on Coastal Reservoir Concept to Impound Netravathi River Flood Waters: A Sustainable Strategy for Water Resource Development for Mangalore, submitted to BWSSB, Govt of Karnataka.

### Journal Articles

1. Kolathayar, S., Ashrith, M. S., & Rukminikumar, S. (2024). Probabilistic Seismic Hazard Assessment and Liquefaction Potential Evaluation for Amaravati Capital Region. *Indian Geotechnical Journal*, 1-15.
2. Prakash, E. L., Anand, K. B., & Kolathayar, S. (2024). Preparedness for a forgotten disaster: A case study Coimbatore, India. *Progress in Disaster Science*, 100340.
3. Padmanabhan, M. H., Siddhardha, R., Kolathayar, S., Hegde, R., & Praveen, B. M. (2024). Deterministic Seismic Hazard Analysis of Sree Padmanabhaswamy Temple, Kerala State. *Indian Geotechnical Journal*, 1-18.
4. Menon, V., & Kolathayar, S. (2024). Optimizing nailing parameters for hybrid retaining systems using supervised learning regression models. *Multiscale and Multidisciplinary Modeling, Experiments and Design*, 1-16.
5. Thottoth, S. R., Khatri, V. N., Kolathayar, S., Keawsawasvong, S., & Lai, V. Q. (2024). Optimizing Seismic Earth Pressure Estimates for Battered Retaining Walls Using Numerical Methods and ANN. *Geotechnical and Geological Engineering*, 1-23.

6. Jose, D., Kolathayar, S., & Nayak, S. (2024). An Appraisal of the Mechanism and Research Development Status of Anti-slide Piles as Effective Technique for Landslide Risk Reduction. *Indian Geotechnical Journal*, 1-12.
7. Kolathayar, S., & Sengupta, S. (2023). Probabilistic seismic hazard analysis and site characterization of a power plant site in Chittagong, Bangladesh. *Arabian Journal of Geosciences*, 16(10), 542.
8. Bariker, P., & Kolathayar, S. (2023). Model tests and numerical modelling on lateral resistance of novel finned-pile groups. *Innovative Infrastructure Solutions*, 8(8), 224.
9. Bhagyaraj, U., & Kolathayar, S. (2023). Seismic Hazard Assessment and Landslide Vulnerability Mapping for Ladakh, and Jammu & Kashmir Using GIS Technique. *Journal of the Geological Society of India*, 99(3), 377-382.
10. Bariker, P., Kolathayar, S., & Chandrasekaran, S. S. (2023). Lateral Resistance of Finned-Piles in  $c-\phi$  Soils: Experimental Investigations and Numerical Studies. *Indian Geotechnical Journal*, 1-18.
11. Bariker, P., & Kolathayar, S. (2022). Dynamic soil structure interaction of a high-rise building resting over a finned pile mat. *Infrastructures*, 7(10), 142.
12. Sengupta, S., Sarkar, R., Kolathayar, S., & Drukpa, D. (2022). Deterministic seismic hazard analysis for Phuentsholing region of southern Bhutan considering local site effects. *Innovative Infrastructure Solutions*, 7(6), 361.
13. Kolathayar, S., & Gadekari, R. S. (2022). Model Footing Tests and Analytical Studies on Clayey Soil Bed Reinforced with Coconut Shell Mat. *International Journal of Geosynthetics and Ground Engineering*, 8(2), 1-10.
14. Anand, G., Rahangdale, A., Mantri, S. S., Singh, S., & Kolathayar, S. (2022). Deterministic seismic hazard and landslide hazard zonation of Arunachal Pradesh. *Journal of Earth System Science*, 131(3), 1-16.
15. Muthukumar, S., Kolathayar, S., Valli, A., & Sathyan, D. (2022). Pseudostatic analysis of soil nailed vertical wall for composite failure. *Geomechanics and Geoengineering*, 17(2), 561-573.
16. Ramkrishnan, R., Sreevalsa, K., & Sitharam, T. G. (2022). Strong motion data based regional ground motion prediction equations for North East India based on non-linear regression models. *Journal of Earthquake Engineering*, 26(6), 2927-2947.
17. Kolathayar, S. (2021). Recent seismicity in Delhi and population exposure to seismic hazard. *Natural Hazards*, 1-28.
18. Ramkrishnan, R., Kolathayar, S., & Sitharam, T. G. (2021). Deterministic seismic hazard analysis of north and central Himalayas using region-specific ground motion prediction equations. *Journal of Earth System Science*, 130(4), 1-18.
19. Ramkrishnan, R., Kolathayar, S., & Sitharam, T. G. (2021). Probabilistic seismic hazard analysis of North and Central Himalayas using regional ground motion prediction equations. *Bulletin of Engineering Geology and the Environment*, 80(10), 8137-8157.
20. Sarkar, R., Kolathayar, S., Drukpa, D., Choki, K., Rai, S., Tshering, S. T., & Yuden, K. (2021). Near-surface seismic refraction tomography and MASW for site characterization in Phuentsholing, Bhutan Himalaya. *SN Applied Sciences*, 3(4), 1-18.
21. Kolathayar, S., Amala Krishnan, U. S., & Sitharam, T. G. (2021). Appraisal of Thanneermukkom bund as a coastal reservoir in Kuttanad, Kerala. *Journal of Applied Water Engineering and Research*, 1-12.
22. Kolathayar, S., Sowmya, S., & Priyanka, E. (2020). Comparative Study for Performance of Soil Bed Reinforced with Jute and Sisal Geocells as Alternatives to HDPE Geocells. *International Journal of Geosynthetics and Ground Engineering*, 6(4), 1-8.



23. Chitrachedu, R. K., & Kolathayar, S. (2020). Performance Evaluation of Coir Geocells as Soil Retention System under Dry and Wet Conditions. *Geotechnical and Geological Engineering*, 1-14. DOI: <https://doi.org/10.1007/s10706-020-01443-x>
24. Kolathayar, S., Narasimhan, S., Kamaludeen, R., & Sitharam, T. G. (2020). Performance of Footing on Clay Bed Reinforced with Coir Cell Networks. *International Journal of Geomechanics*, 20(8), 04020106. DOI: <https://doi.org/10.1061/%28ASCE%29GM.1943-5622.0001719>
25. S. Prasannan, S. Kolathayar, and A. Sharma, "Comparative Study on Bearing Capacity of Bottom Ash–Stabilized Soil Mixed with Natural and Synthetic Fibers," *Advances in Civil Engineering Materials* 9, no. 1 (2020): 411-426. <https://doi.org/10.1520/ACEM20190031>
26. Deepa Devaraj, R. Ramkrishnan, T. Prabu, Sreevalsa Kolathayar and T. G. Sitharam (2020) Synthesis of Linear JTFA Based Response Spectra for Structural Response and Seismic Reduction Measures for North-East India, *Journal of Earthquake and Tsunami*, <https://doi.org/10.1142/S1793431120500232>
27. Sengupta, S., & Kolathayar, S. (2020). Evaluation of Liquefaction Potential of Soil at a Power Plant Site in Chittagong, Bangladesh. *International Journal of Geotechnical Earthquake Engineering (IJGEE)*, 11(1), 1-16. DOI: <https://doi.org/10.4018/IJGEE.2020010101>
28. Krishnan, A., & Kolathayar, S. (2020). Stability Analysis of Dike to Impound Freshwater in Brackish Water Estuarine Environment. *The Open Construction and Building Technology Journal*, 14(1). DOI: <https://doi.org/10.2174/1874836802014010139>
29. Yang, S. Q., Sitharam, T. G., Sivakumar, M., Kolathayar, S., & Gowda, R. (2020). Strategic analysis on the potential of coastal reservoirs in reshaping Indian coastal economic corridor. *International Journal of Ocean and Coastal Engineering*. DOI: <https://doi.org/10.1142/S2529807019400037>
30. Kolathayar, S., Aravind, C. A., & Shukla, S. K. (2019). Performance Assessment of Areca Leaf Grids for Soil Reinforcement Applications. *Journal of Natural Fibers*, 1-10. DOI: <https://doi.org/10.1080/15440478.2019.1658253>
31. Kolathayar S, C. A. Aravind & Sitharam TG (2019) Model Tests and Analytical Studies on Performance of Areca Leaf Cells as Cellular Confinement in Soil, *Geomechanics and Geoengineering*, DOI: <https://doi.org/10.1080/17486025.2019.1664774>
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54. Kolathayar S and Ghosh P (2011) Seismic passive earth pressure on walls with bilinear backface using pseudo-dynamic approach. *Geotechnical and Geological Engineering Journal (Springer publication)* Vol. 29, No. 3, pp 307-317
55. Kolathayar S and Ghosh. P. (2009) Seismic active earth pressure on walls with bilinear backface using pseudo-dynamic approach. *Computers and Geotechnics (Elsevier Publication)*, Vol. 36, No. 7, pp 1229-1236.

## Book Chapters

1. Menon, V., & Kolathayar, S. (2022). Review on Landslide Early Warning System: A Brief History, Evolution, and Controlling Parameters. *Civil Engineering for Disaster Risk Reduction*, 129-145.

2. Kolathayar, S., Priyatham, K., Karan Kumar, V., Rohith, V. R., & Nikil, S. (2022). Understanding Disaster Preparedness Level in the South Indian City of Chennai. In *A System Engineering Approach to Disaster Resilience* (pp. 101-108). Springer, Singapore.
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4. Sitharam, T. G., & Kolathayar, S. (2020). Challenges and opportunities for coastal reservoir development in India. In *Sustainable Water Resource Development Using Coastal Reservoirs* (pp. 185-197). Butterworth-Heinemann. <https://doi.org/10.1016/B978-0-12-818002-0.00010-1>
5. Sitharam, T. G., & Kolathayar, S. (2020). Geotechnical considerations for coastal reservoirs. In *Sustainable Water Resource Development Using Coastal Reservoirs* (pp. 61-83). Butterworth-Heinemann. <https://doi.org/10.1016/B978-0-12-818002-0.00004-6>
6. Kolathayar, S., Gadekari, R. S., & Sitharam, T. G. (2020). An Overview of Natural Materials as Geocells and Their Performance Evaluation for Soil Reinforcement. *Geocells*, 413-427. [https://doi.org/10.1007/978-981-15-6095-8\\_16](https://doi.org/10.1007/978-981-15-6095-8_16)
7. Gadekari, R. S., Kolathayar, S., & Chitrachedu, R. K. (2021). Experimental Studies on the Suitability of Coconut Shell as a Filler Material in Concrete Cubes. In *Smart Technologies for Sustainable Development* (pp. 45-53). Springer, Singapore.
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## Conference Articles

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2. Sharma, A. K., Prasannan, S., & Kolathayar, S. (2019, March). Comparative Study of Sisal and PVA Fiber for Soil Improvement. In *Geo-Congress 2019: Soil Improvement* (pp. 298-304). Reston, VA: American Society of Civil Engineers. <https://doi.org/10.1061/9780784482117.030>
3. Divakar, S., Prakash, E. L., & Kolathayar, S. (2018). Land Use Exposure to Deterministic Seismic Hazard in Delhi National Capital Territory. In *Geotechnical Earthquake Engineering and Soil Dynamics V: Seismic Hazard Analysis, Earthquake Ground Motions, and Regional-Scale Assessment* (pp. 135-145). Reston, VA: American Society of Civil Engineers. <https://doi.org/10.1061/9780784481462.013>
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8. Prakash, E. L., Kolathayar, S., & Ramkrishnan, R. (2018, May). Seismic risk assessment for coimbatore integrating Seismic Hazard and Land Use. In *GeoShanghai International Conference* (pp. 117-124). Springer, Singapore. [https://doi.org/10.1007/978-981-13-0128-5\\_14](https://doi.org/10.1007/978-981-13-0128-5_14)
9. Karthikeyan G., Karthic S., Kolathayar S. (2018) Experimental Studies on Strength Performance of Subgrade Soil Mixed with Bottom Ash and Coir Fiber. In: Shi X., Liu Z., Liu J. (eds) Proceedings of GeoShanghai 2018 International Conference: Transportation Geotechnics and Pavement Engineering. GSIC 2018. Springer, Singapore. [https://doi.org/10.1007/978-981-13-0011-0\\_31](https://doi.org/10.1007/978-981-13-0011-0_31)
10. R. Ramkrishnan, Deepa Devaraj, Sreevalsa Kolathayar, T. G. Sitharam (2020), Recent developments in synthesis of earthquake motions using linear joint time frequency analysis techniques, Proceedings of the World Conference on Earthquake Engineering, Japan.
11. Mohan, H. T., Masson, L., Kolathayar, S., Sharma, K. A. K., Krishnan, A. G., Thiviya, S. K., & Mohan, R. (2017). Transforming urban waste into construction blocks for a sanitation infrastructure: A step towards addressing rural open defecation. *IEEE Global Humanitarian Technology Conference (GHTC)*, San Jose, CA, 2017, pp. 1-9, doi: <https://doi.org/10.1109/GHTC.2017.8239291>
12. Sharon R, Kolathayar S and Anil Kumar Sharma (2016), "Modification of Subgrade Properties using Waste Generated from Sand Manufacturing Unit and Fiber", Proceedings of International Conference on Soil and Environment ICSE 2016, IISc Bangalore, July 2016.
13. Vasudevan N, Kolathayar S, S Aadityan, Ramanathan K (2016) An Investigative Study of Seismic Landslide Hazards, Conference: Recent Advances in Rock Engineering (RARE 2016) <https://doi.org/10.2991/rare-16.2016.60>
14. Kolathayar S (2014) Recycling and reuse: Out of box perspective (Key note Lecture), Third International Conference on Recycling and Reuse of Materials (ICRM 2014), International and Interuniversity Centre for



Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kerala, India, Wroclaw University of Technology, Wroclaw, Poland, 11-13 April 2014, Kottayam, Kerala, India.

15. Kolathayar S (2013) Unexplored potential of seismic hazard studies, Annual Convention on Earthquake Sciences, 4-6 January 2014, at Institute of Seismological Research, Gandhinagar, Gujarat.
16. Sitharam T G and Kolathayar S (2012) Probabilistic Evaluation of Seismic Hazard India Comparison of Different Methodologies, 15th World Conference on Earthquake Engineering, 24-28 September 2012, at Lisbon.
17. Sitharam T G, Kolathayar S and Vipin K S (2012) Evaluation of liquefaction return period for India and adjoining areas, International Conference on Earthquake Geotechnical Engineering, 23-25. 01. 2012, Luxor-Aswan, Egypt.
18. Sitharam T G, Arjun Sil and Kolathayar S (2011) "A study on Probabilistic seismic hazard analysis of Tripura state ". Tripura Science Congress 2011.
19. Vipin K S, Sitharam T G and Kolathayar S (2011) "Probabilistic Assessment of Liquefaction Potential for the State of Gujarat ". Indian Geotechnical Conference (IGC-2011) December, 2011.
20. Kolathayar S and Sitharam T G (2011) "Probabilistic Evaluation of Seismic Hazard in and around Kerala ". Indian Geotechnical Conference (IGC-2011) December, 2011.
21. Sitharam T G, Kolathayar S and Vipin K S (2011) "Probabilistic seismic hazard macrozonation of India ". International Symposium on "The 2001 Bhuj Earthquake and Advances in Earthquake Science AES 2011, 22-27 Jan, 2011 (Keynote Lecture).
22. Vipin K S, Sitharam T G and Kolathayar S (2011) "Seismic hazard assessment of Gujarat ". International Symposium on "The 2001 Bhuj Earthquake and Advances in Earthquake Science AES 2011 22-27 Jan, 2011.
23. Sitharam T G, Kolathayar S and Vipin K S (2010) "Evaluation of Seismic Hazard for Andaman-Nicobar Region: Probabilistic Approach ". 14th Symposium on Earthquake Engineering, December 17-19, 2010, IIT Roorkee, India.
24. Sitharam T G, Kolathayar S and Vipin K S (2010) "Evaluation of Seismic Hazard for India: Deterministic Approach including Local Site Effects ". Indian Geotechnical Conference (IGC-2010), GEOTrendz, December 16-18, 2010, IIT Bombay, India.
25. James N, Kolathayar S, Vipin K S and Sitharam T G (2010) "Seismic Hazard Scenario of Karnataka State: An Input for Planning of Urban Centers. ". Conference on Infrastructure, Sustainable Transportation and Urban Planning (CISTUP@CiSTUP 2010), Oct 18-20, IISc Bangalore.
26. Ghosh P and Kolathayar S (2009) "Seismic passive earth pressure with varying shear modulus: pseudo-dynamic approach ". Indian Geotechnical Conference (IGC-2009) Feb 18-20, R.V.R. College of Engineering, Guntur, India, pp 522-526.
27. Kolathayar S and Ghosh P (2009). "Seismic active earth pressure with varying shear modulus in backfill: pseudo-dynamic approach "International Conference on Performance-Based Design in Earthquake Geotechnical Engineering: from case history to practice (IS-Tokyo 2009), 15-18 June, Tokyo, Japan.

## CONFERENCE ORGANIZATION

1. Organizing Chair, Global Conference on Disaster Risk Reduction – Civil Engineering for a Disaster Resilient Society, 19-21 March 2021, <https://vcdrr.nitk.ac.in/>
2. Secretary, 7th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, July 13-17, 2020 at IISc Bangalore, <http://7icragee.org/> (Conference series since 1981. Five out of past six conferences were organized in US, Ref: <http://scholarsmine.mst.edu/icrageesd/>)
3. Coordinator, Invited Talk & Interactive Session with The Legendary Metroman Dr. E. Sreedharan, 26th February 2018, Coimbatore.
4. Coordinator, International workshop on 'Subsurface Construction & Maintenance using Geosynthetics' (Course faculty: Prof. SK Shukla, Edith Cowan University Australia), Sep 2018, Coimbatore.

5. Organizing Secretary, International Workshop on Geotechnics for Infrastructures, 3<sup>rd</sup> January 2018, Amrita Vishwa Vidyapeetham, Coimbatore, India.
6. Organizing Secretary, International Workshop on Coastal Reservoirs, 19<sup>th</sup> July 2017, Amrita Vishwa Vidyapeetham, India.
7. Technical Co-Chair, International Conference on Emerging & Sustainable Technologies for Infrastructure Systems, 22-23 April 2016, Amrita Vishwa Vidyapeetham, Coimbatore.
8. Organizing Secretary, National Conference on Water and its Sustainably: Vision 2050, organized by Department of Civil Engineering, Indian School of Mines jointly with Ministry of Earth Sciences Govt. of India held during 28-29 March 2014.
9. Convener, INDGenius Youth Convention (Convention of young achievers and Genius of India), organized by 'Think India', Forum of National Institute Students, held during 14-16 March 2014 in Bengaluru.
10. Convener, Samanway 2012 – National Conference (on Connecting Science and Society) organized by Students Council in association with IISc Administration, IISc Alumni Association North America Chapter, Karnataka State Council for Science and Technology & CiSTUP, held at IISc during 2-3 March 2012.
11. Convener, Think India Convention 2012 – Confluence of National Institute students of India held at IISc Bangalore during 28-29 Jan 2012.
12. Organizing Secretary, Annual Student Symposium 2010, Department of Civil Engineering IISc. August 2010.

**Countries visited:** Japan, Spain, Italy, Switzerland, Portugal, Germany, France, Malaysia, Thailand, Singapore, China, USA.

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## SHORT BIOGRAPHY

Dr Sreevalsa Kolathayar is Professor In-charge of Institute Innovation Council (IIC) and Associate Professor in the Department of Civil Engineering at National Institute of Technology Karnataka (NITK) Surathkal, India.. He pursued M.Tech from IIT Kanpur, PhD from Indian Institute of Science (IISc), and served as International Research Staff at UPC BarcelonaTech Spain. Dr Sreevalsa has authored five books and edited 16 books. His books are subscribed globally including MIT and Stanford and are approved textbooks for courses in IITs and NITs. He authored over 150 research articles and holds two patents. He is on the Editorial Board of several International Journals. He is on the roster of two technical committees of ASCE Geo-Institute and is an Expert Member of the Working Groups of BIS CED 39 for three IS codes. Dr. Sreevalsa has eight funded R&D projects worth INR 10 crores and completed over 100 civil engineering consultancy projects.

The New Indian Express honored Dr Sreevalsa with South India's Most Inspiring Young Teachers Award. He received the "IEI Young Engineers Award" by The Institution of Engineers (India), in recognition of his contributions in the field of Civil Engineering. He is the recipient of the ISET DK Paul Research Award from the Indian Society of Earthquake Technology in 2018. He has received Marie Curie Action Fellowship from European Union and Professional Recognition Award from the Center for Coastal Reservoir Research at the University of Wollongong Australia. Recently Dr Sreevalsa was featured by the American Society of Civil Engineers in their Geostrata Magazine highlighting his contributions at a young age.

Dr. Sreevalsa served as Chairman of the Students Council at IISc and Adviser to Think India, a national forum of students and faculty from premier Institutes in India. Dr Sreevalsa represented India at the Sino-South Asian Countries Disaster Risk Prevention and Reduction Forum in Chengdu, China. Dr. Sreevalsa organized three International Conferences as Chair/Secretary, including the 2023 G20 C20 Conference on Sustainable Communities with Net Zero Targets. He is serving as Young Water Professional of IWA.

Dr. Sreevalsa's research interests include Earthquake Hazard Assessment, Site Characterization, Liquefaction, Disaster Risk Reduction, Soil Reinforcement, Slope Stabilization, Landslide Mitigation, and Water Geotechnics. He has delivered more than a hundred invited talks at different organizations and international conferences/workshops/FDPs. He is an Associate Editor of two International Journals and a reviewer for many.

## INVITED TALKS (After Joining NITK)

Date	Title	Organizer	Event
Feb 2020	Advanced Foundation Analysis and Design	GEC Jhalawar Rajasthan	5 Day FDP on Foundation Engineering, as part of Twinning Activities
22 April 2020	Earthquake Hazard Risk and Mitigation	SRI KRISHNA COLLEGE OF TECHNOLOGY, Coimbatore.	
29 April 2020	Earthquake Hazard Risk and Mitigation	Indian Society of Earthquake Technology, IIT Roorkee	
11 May 2020	Ensuring Water Security for future	Kerala State Council for Science Technology and Environment	
25 May 2020	Soil reinforcement using geosynthetics	Bannari Amman Institute of Technology, Sathyamangalam	
4 June 2020	Geotechnical schemes for sustainable water conservation	Sree Narayana Institute of Technology ,Adoor	
14 June 2020	Earthquake Hazard Evaluation and Site Response	IGS Guntur Chapter	
16 June 2020	Geotechnical Schemes for Water Conservation	IGS Guntur Chapter	
20 June 2020	Earthquake Hazard - Indian Scenario	Association of Consulting Civil Engineers, Coimbatore	
7 July 2020	Seismic Hazard Assessment and Site Response	Bannari Amman Institute of Technology, Sathyamangalam	AICTE Sponsored online Short-Term Training Program Structural Health Monitoring and Seismic Protection of Structure and Infrastructural Systems (Phase 1)
17 July 2020	Geocell Reinforced Foundations and Slopes	Civil Engineering Association, Kumaraguru Institutions, Coimbatore	
25 Aug 2020	PSHA of India and adjoining areas		Online Workshop on Computational Geomechanics by NIT Warangal [Aug 24-28]
10 Sep 2020	Disaster Geotechnics- Geotechnical Engineering for Disaster Mitigation	Dr. NGP Institute of Technology Coimbatore	AICTE SPONSORED ONE WEEK ONLINE SHORT TERM TRAINING PROGRAM ON DISASTER MANAGEMENT AND MITIGATION (Phase-II)
12 Sep 2020	Disaster Geotechnics	School of Civil Engg, LPU	
13 Sep 2020	Seismic Hazard and Risk Assessment	Techno College of Engg. Agartala	
Feb 2021	Water Geotechnics - Geotechnical schemes for Water Security	LBS	

17 Feb 2021	Earth Reinforcement for Disaster Risk Reduction	KITS	One-week Short Term Training Programme (STTP) on Sustainable Materials & Resilient Buildings- philosophy, Design, Implementation, and Performance sponsored by AICTE
22 Feb 2021	Disaster Geotechnics	GeoLive, LPU, NITJ	
5 June 2021	DISASTER GEOTECHNICS – GEOTECHNICAL SCHEMES FOR DISASTER RISK REDUCTION		International Symposium on IoT & ML for Ecosystem Restoration & Multi-hazard Resilience 2021 - ISIM
25 June 2021	Geotech Engg for Disaster Risk Reduction	KLEF	International conference on advances in civil engg
23 Nov 2021	Geotechnics for Disaster Risk Reduction	LBS	Online Faculty Development Programme on Strategic Civil Infrastructure- Geotechnics for Infrastructure Projects Sponsored by AICTE Training And Learning (ATAL) Academy
9 Dec 2021	'Geohazards: Prediction, Early Warning and Mitigation'	South Asia Alliance of Disaster Research Institutes DCE, NIDM	Online International Workshop on "ROLE OF EARLY WARNING SYSTEM IN GEO-METEOROLOGICAL HAZARDS RISK REDUCTION"
June 2021	Geotechnical Earthquake Engineering	Mar Baselios College of Engineering and Technology (MBCET), Thiruvananthapuram, Kerala	KTU sponsored Faculty Development Programme (FDP) on "Recent Advances in Seismic and Wind Load Analysis of Structures"
25 March 2022	Earthquake Hazard Assessment	Vellore Institute of Technology, Chennai in association with ICI Chennai chapter	International Conference ERTSE202 from 24 -25 March,
05 April 2022	Innovative Soil reinforcement techniques for sustainable construction	NIT Hamirpur	Five-Days Online e-Short-Term Course on "Advances in Transportation and Environmental Geotechnics (ATEG-2022)" during 4th to 8th April 2022 at NIT Hamirpur
07 April 2022	Geotechnical Interventions in DRR for Sustainable Development"		5 - Day Short-term Course on "Soil and Rock Geotechnics for Sustainable Infrastructure (SRGSI)" from 04th - 08th April, 2022
29 April 2022	[Earthquake Risk Analysis and Resilience]	Amrita-NIDM	National Workshop on DISASTER MANAGEMENT, RISK IDENTIFICATION & RESILIENCE STRATEGY (DMRIRS)
26 April 2022	Geotechnical Schemes for Disaster Risk Reduction"	IEI Mangalore	

26 May 2022	Role of Geotechnical Engineering in achieving Sustainable Development Goals	Ballari Institute of Technology & Management (BITM, Autonomous), Ballari.	3-days online FDP program on "Geotechnical Engineering practices and its Sustainable development" from 26th to 28th May 2022.
15 July 2022	Soil Reinforcement Techniques for Sustainable Transportation	VIT	workshop on Transportation Geotechnics
28 May 2022	Disaster Geotechnics - Geotechnical schemes for Disaster Risk Reduction	VVCE, ACCE Mysore	Recent advances in Geotechnics Infrastructures
11 August 2022	Estimation of Seismic Hazard at Bedrock and Surface Level: Different Approaches	NITW	10-Day FDP on " Ground Motion Modeling and Response Computations in Earthquake Engineering " approved by Electronics & Information Communications Technology (E & ICT) Academy, NIT Warangal
30 Sep 2022	Earthquake Hazard and Risk Resilience	IGS Chandigarh Chapter	
1 Oct 2022	Geohazards and risk in the Himalayan Region- A technical Perspective	IIT Delhi, IIT Palakkad, IIT Ropar, NMHS	Virtual workshop on planning for sustainable and resilient transportation systems for the Himalayan region
15 Oct 2022	Landslide Early Warning Systems -Technical Perspective	CWRDM	Karyashala High-end workshop, funded by SERB/DST entitled "Integrated Watershed Management: Development and Emerging Trends
26 Oct 2022	Panel Discussion Government, Industries, Non-profits in MHEWs. What is next?	Amrita	International Symposium on Multi-hazards Warning & Community Resilience (MWCR 2022), 25-26 October 2022
3 Nov 2022	<i>Earthquake Hazard Assessment and Risk Mitigation</i>	Aurecon	GEE Series Session 10
18 May 2023	Performance Evaluation of Jute Geocells	NJB, IISc, NITK	National Conference on Jute Geotextiles
26 July 2023	Research in Geotechnics for Sustainable Infrastructure & Net Zero Targets	NIE Mysuru	Five Days Faculty Development Program Research Insights in Civil Engineering (RICE-2023) 24th – 28th July 2023
22 Sep 2023	Introduction to Geosynthetics and their applications in Mining Projects	Indian Institute of Coal Management Ranchi	Two Day workshop for Engineers of Coal India Lts.

## NEWS LINKS

Link to a few selected articles

[https://drive.google.com/drive/folders/0BxIYVyTOP83PTjIzNi0xSV9VVWc?resourcekey=0-ryhoS8SzQk1NeUwC\\_9xSag&usp=drive\\_link](https://drive.google.com/drive/folders/0BxIYVyTOP83PTjIzNi0xSV9VVWc?resourcekey=0-ryhoS8SzQk1NeUwC_9xSag&usp=drive_link)

<https://timesofindia.indiatimes.com/city/mangaluru/asian-countries-give-a-thumbs-up-to-disaster-preparedness-index-tool/articleshow/98032462.cms>

<https://timesofindia.indiatimes.com/city/mangaluru/nitk-will-get-geotechnical-textile-testing-lab-soon/articleshow/103564776.cms>

<https://www.edexlive.com/live-story/2017/May/29/feeling-quakes-before-they-hit-557.html>

<https://www.newindianexpress.com/states/karnataka/2024/Jul/31/karnataka-govt-brings-institution-to-assess-flood-prone-areas-they-respond-saying-suggestions-never-implemented>

<https://timesofindia.indiatimes.com/education/news/nitk-inks-mou-with-njb-to-develop-geo-cell-products-from-jute/articleshow/98974705.cms>

<https://www.thehindu.com/news/cities/Mangalore/nit-k-to-develop-technology-to-make-geocell-products-from-jute/article66658392.ece>

<https://bangaloremirror.indiatimes.com/bangalore/others/national-institute-of-technology-karnataka-professor-raises-funds-for-covid-19-through-webinars/articleshow/75586858.cms>