

**Name : Dr. S. Ajith**

**Designation : Assistant Professor**

Phone: 8072882504

E-mail: ajith.s@gsfcuniversity.ac.in

School: School of Technology



**Research Interest:**

- Safety in Construction
- Hazards Management
- Risk Analysis

**Academic Background:**

Degree	Specialization	University	Year
Ph.D	Safety in Construction Site	Kalasalingam Academy of Research and Education, Tamilnadu	2021
M.Tech	Industrial Safety and Hazards Management	Anna University, Tamilnadu	2017
B.E	Civil Engineering	Anna University, Tamilnadu	2015

**Professional Experience:**

From	Period	Position	Organisation
02-07-2021	Till Date	Assistant Professor	GSFC University, Vadodara
01-02-2018	31-05-2021	Research Scholar	Kalasalingam Academy of Research and Education, Virudhunagar, Tamilnadu
05-06-2017	06-12-2017	Assistant Professor	Shiv Kumar Singh Institute of Technology and Science, Indore, Madhya Pradesh

**Details of Ph.D Thesis:**

**Title:** An Analytical Investigation on Improving Safety Performance in Construction Sites

**Research Supervisor:** Dr.C.Sivapragasam

**Research Co-supervisor:** Dr.V.Arumugaprabu

## **Publications:**

1. **Ajith, S.**, Arumugaprabu, V., Ajith, V., Naresh, K., & Sreekanth, P. R. (2021). Hazard identification and risk assessment in firework industry. *Materials Today: Proceedings*.
2. Sivapragasam, C., **Ajith, S.**, & Arumugaprabu, V. (2021). A conceptual framework for minimizing construction site accidents using Task-Personnel Nexus Matrix. *International Journal of Construction Management*, 1-8.
3. **Ajith, S.**, Sivapragasam, C., Arumugaprabu, V., Saravanan, P., & Meyyappan, PL., (2021). Analysis of Variations in Trend in Novel Coronavirus Disease in Southern Tamil Nadu, India. *International Journal of Research-Granthaalayah*, 9 (5), 127-136.
4. **Ajith S.**, Arumugaprabu V. (2021) Environmental and Occupational Health Hazards of Nanomaterials in Construction Sites. In: *Handbook of Consumer Nanoproducts*. Springer, Singapore.
5. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2021). Experimental Investigations to Promote Better Adaptability of Safety Helmets Using Jute Fiber Reinforced Polyester Composites–A Waste Utilization Approach. *Journal of Natural Fibers*, 1-13.
6. Veerasimman, A., Shanmugam, V., Rajendran, S., Johnson, D. J., **Ajith, S.**, Koilpichai, J., & Marimuthu, U. (2021). Thermal Properties of Natural Fiber Sisal Based Hybrid Composites–A Brief Review. *Journal of Natural Fibers*, 1-11.
7. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2020). Comparison of Modelling Tools in Assessing Safety Performance of Construction Site. *IOP Conference Series: Materials Science and Engineering*, 955 (1), Article no. 012016.
8. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2020). Safety and Hazards Management in Construction Sites – A Review. *Journal of Technology*, 35 (3), 175-179.
9. **Ajith S.**, Sivapragasam C., Arumugaprabu V. (2020) Assessing the Environmental Impacts of Constructional Site Hazards. In: Hussain C. (eds) *Handbook of Environmental Materials Management*. Springer, Cham
10. Sivapragasam, C., **Ajith, S.**, & Arumugaprabu, V. (2020). Ascertaining the Suitability of a Worker for Safer Execution of A Construction Task: A Genetic Programming Based Modelling Approach. *IOP Conference Series: Materials Science and Engineering*, 955 (1), Article no.012015.
11. Vigneshwaran, S., Sundarakannan, R., John, K. M., Johnson, R. D. J., Prasath, K. A., **Ajith, S.**, Arumugaprabu, V., & Uthayakumar, M. (2020). Recent advancement in the natural fiber polymer composites: a comprehensive review. *Journal of Cleaner Production*, 124109.

12. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2019). Quantification of risk and assessment of key safety factors for safe workplace in Indian building construction sites. *Asian Journal of Civil Engineering*, 20 (5), 693-702.
13. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2019). A review on hazards and their consequences in firework industries. *SN Applied Sciences*, 1 (1), 1-6.
14. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2019). Analysis on constructional hazards, risk assessment techniques and safety helmets in construction sites. *AIP Conference Proceedings*, 2128 (1), Article no. 050013. AIP Publishing.
15. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2019). Safety Assessment and Risk Management in Indian Building Construction Sites. *International Journal of Recent Technology and Engineering (IJRTE)*, 8(4S2), 8-12.
16. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2019). Influence of Human Factors in Indian Building Construction Sites. *International Journal of Recent Technology and Engineering (IJRTE)*, 8(4S2), 212-218.
17. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2019). Mechanical Properties of Fiber Reinforced Polymer Composites *International Journal of Recent Technology and Engineering (IJRTE)*, 8(4S2), 264-267.

### **Paper Presentation in International Conference:**

1. **Ajith, S.**, Arumugaprabu, V., & Jerendran, J., (2021, March). Hazard identification and risk assessment using integrated exposure frequency and legislation requirements (HIRA-FL) in construction sites. *International Conference on New Scientific Creations in Engineering and Technology* organised by Nadar Saraswathi College of Engineering and Technology, Theni.
2. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2020, June). Identifying the Suitability of Modelling Models in Determining Safety Performance of Construction Site. *International Conference on Innovation in Interdisciplinary Research* organised by Kalasalingam Academy of Research and Education, Krishnankoil.
3. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2019, July). Analysis on constructional hazards, risk assessment techniques and safety helmets in construction sites. *International Conference on Materials, Manufacturing and Machining* organised by Bannari Amman Institute of Technology, Erode.
4. **Ajith, S.**, Sivapragasam, C., & Arumugaprabu, V. (2018, December). Quantifying the Probable Human Error in Indian Construction Sites and Validating it with Expert Elicitation. *International Conference on Humanizing Work and Work Environment* organised by College of Engineering, Trivandrum.

5. **Ajith, S.**, Vinothkumar, S T., Mariselvam, A K., & Sivanesan, S. (2018, April). A Comprehensive Research on Human Error in Firework Industry. International Conference on Advanced Manufacturing and Automation organised by Kalasalingam Academy of Research and Education, Krishnankoil.

**Awards/Recognitions:**

Won third prize in poster presentation on the topic “Analysis of Risk and Human Error in Firework Industries” from Indian Institute of Technology, Gandhinagar.