

PUBLICATIONS

Research Profiles

- Google Scholar:
<https://scholar.google.com/citations?user=jRUu1scAAAAJ&hl=en>
- Scopus Author ID: 57211394784,
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Selected journal publications, conference papers/presentations, books, and scholarly contributions of Dr. Skanda M. G:

International / Peer-Reviewed Journal Publications

1. Skanda M G, Ashwin Raiyani, S. K. Joshi, P. Venkata Hari Prasad, Ramakrishna Vadrevu and K. Dhayalini. "AI-Driven Simulation of Complex Physical Systems: Insights from Statistical Mechanics." Letters in High Energy Physics, Volume 2024, published 4 February 2024.
2. Lili Zhang, Chuanbao Zhang, Peng Wang, Mohammad Shabaz, Skanda M G, Vijayalakshmi C and Kakarla Hari Kishore. "Realization of Optimization Design of Electromechanical Integration PLC Program System Based on 3D Model." Nonlinear Engineering, Vol. 12, Article 20220252, 2023.
3. D. Arunkumar, V. Ramesh and Skanda M G. "Implementation of Rapid Upper Limb Assessment Technique in Automotive Parts Manufacturing Industry." International Journal of Recent Technology and Engineering, Vol. 8, Issue 3, pp. 1599–1602, September 2019. DOI: 10.35940/ijrte.C4421.098319.
4. Skanda M.G. and V. Ramesh. "Industrial Accidents and Individual Differences: A Review on Personality Traits and Accident Proneness in Manufacturing Sectors." Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 05-Special Issue, 2018.
5. C. Sowmya, D. Karibasavaraja, V. Ramesh and Skanda M.G. "The Effects of Electroless Nickel Phosphorus Deposition, pH and Temperature with the Varying Coating Bath Parameters on Impact Energy by Taguchi Method." International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, Vol. 11, No. 4, 2017.
6. Skanda M.G., V. Ramesh and D. Arun Kumar. "Human Error Analysis: A Case Study in a Tyre Tube Polymer Processing Industry." International Journal of Latest Trends in Engineering and Technology, Vol. 7, Issue 2, July 2016.
7. Skanda M.G., D. Arun Kumar and V. Ramesh. "Human Machine Interaction and Safety: Identification of Human Errors through Task Analysis." Journal of Material Science and Mechanical Engineering, Vol. 3, Issue 6, pp. 433–437, July–September 2016.

International Conference Papers / Presentations

8. Sahana, Ananya, Nishchita M. S., Varsha D. and Skanda M G. "Interactive Agricultural Guardian: Camera-Guided Scarecrow with Motion and Audio

Repellents for Rural Area Applications.” International Conference on Recent Trends in Mechanical Engineering (ICRTME-2025), College of Engineering, Adoor, India, 28–30 April 2025.

9. Skanda M G, D. Karibasavaraja and V. Ramesh. “Occupational Safety and Welding: A Review on Chemical Hazards of Welding.” International Conference on Emerging Research Trends in Chemical Sciences (ERTCS-2020), Government Postgraduate College, University of Jammu, Rajouri, 24–26 July 2020 (Virtual Conference).
10. Skanda M.G. and V. Ramesh. “Study on Human Error Management Culture in Medium and Small-Scale Manufacturing Setups of Mysore City in India.” 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017), Los Angeles, USA, 17–21 July 2017.
11. Skanda M.G., V. Ramesh and Shruthi M. “Workplace Safety and Human Errors: Analysis of Error Orientation and Error Management Culture in LPG Bottling Plant.” 14th International Conference on Humanizing Work and Work Environment (HWWE-2016), Jalandhar, Punjab, 8–11 December 2016.
12. Skanda M.G., D. Arun Kumar and V. Ramesh. “Human Machine Interaction and Safety: Identification of Human Errors through Task Analysis.” International Conference on Recent Trends in Mechanical, Material, Industrial, Automotive, Aeronautical and Nano-Technology (MIANT-2016), New Delhi, 1 October 2016.

National Conference / Symposium Presentations

13. Skanda M.G. and V. Ramesh. “Taxonomic Approach to Identify Human Error in Safety-Critical Domains.” National Conference on Emerging Trends in Engineering Management (NCETEM-2014), 6–7 November 2014.
14. Skanda M.G. and V. Ramesh. “Human Error – ‘Just Human, Not Just an Error’.” Symposium on Cognition and Safety, jointly organised by IIT Gandhinagar and National Frontiers of Engineering, September 2014.

Books & Other Scholarly Contributions

- Co-author, Thermal Engineering Science (English).
- Co-author, Lean Manufacturing Principles (Kannada).
- Developed the Kannada version of the Prospective Memory Recall Questionnaire (PMRQ), made available through the University of Edinburgh.
- Reviewer for the international conference Humanizing Work and Work Environment (HWWE), organised by IIT Guwahati, and other academic conferences.