



**THIAGARAJAR**  
**SCHOOL OF MANAGEMENT**  
(Autonomous)  
MADURAI, TAMIL NADU  
REACCREDITED BY NAAC WITH 'A+' GRADE

**FOS<sup>20</sup><sub>26</sub>GRIE**

# International Conference on Frontiers of Sustainability- Global Responsibility for Innovation & Entrepreneurship

## [FOS 2026-GRIE] [Hybrid]

**22 - 24 JANUARY 2026**

*In collaboration with*



### Track 2:

#### Sustainable Supply Chain, Operations & Circular Economy Practices (SSCOCEP)



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## Track Information

We invite conceptual and empirical contributions that examine how sustainable supply chain practices, ethical operations, and circular economy principles reshape organizational ecosystems. We view supply chains as interdependent socio-technical systems in which choices about sourcing, production, logistics, and governance affect not only productivity but also environmental and societal well-being. Sustainability can serve as a shared identity around which organizations and communities align, strengthening resilience and accountability. Yet balancing ecological responsibility, social equity, and economic performance remains challenging.

Supply-chain Scope 3 emissions typically dwarf a firm's direct footprint on average (Blanco, 2021). So operational and circular choices across each stage of the supply chain determine the most real-world impact. Global material extraction is on track to rise ~60% by 2060, intensifying climate, biodiversity, and pollution pressures unless production-consumption systems change (UNEP, 2024). Evidence shows circular strategies can deliver deep cuts; for example, applying them to cement, steel, plastics, and aluminium can reduce 2050 emissions by about 40% while improving resource productivity (Hailemariam & Erdiaw-Kwasie, 2023). Simultaneously, policy is tightening, and the Eco-design for Sustainable Products Regulation brings Digital Product Passports with application beginning in 2026, pushing traceability and circularity at the product level (King et al., 2023; European Commission, 2024). Together, these drivers make it urgent to surface rigorous, operations-grounded solutions that convert sustainability intent into measurable, scalable outcomes. We therefore welcome studies that demonstrate practical, scalable ways to operationalize sustainability with clear mechanisms and measurable outcomes that cut waste, manage risk, and create shared value.

### Topics of interest include, but are not limited to

- Green Supply Chain Management – Reducing environmental impacts across sourcing, production, and delivery.
- Ethical Sourcing & Procurement – Ensuring materials are sourced responsibly and fairly.
- Zero-Waste Operations & Closed-Loop Logistics – Designing processes where nothing goes to waste.
- Circular Economy Indicators & Metrics – Tracking and measuring circularity performance.
- Life Cycle Sustainability Assessment - A holistic evaluation to compare options and reveal sustainability trade-offs.
- ESG Governance in Supply Chains – Embedding environmental, social, and governance standards in supply networks.

### **Methodological diversity is welcome:**

Theory building, analytical and simulation models, field experiments, case and comparative studies, surveys, and data-driven evaluations across sectors and geographies. Studies on SMEs, emerging markets, and hard-to-abate value chains are especially encouraged. Our aim is to surface actionable knowledge that helps organizations operationalize sustainability and circularity clearly, rigorously, and at scale.

### **Major Keywords :**

Circular economy; ESG governance; Sustainability; Sustainable procurement; Sustainable supply chain; Zero waste

### **Uniqueness of the track SDG goals connected:**

SDG 5 - Gender equality; SDG 7 - Affordable & Clean Energy; SDG 8 - Decent Work & Economic Growth; SDG 9 - Industry, Innovation & Infrastructure; SDG 12 - Responsible Consumption & Production; SDG 13 - Climate Action; SDG 14 - Life Below Water; SDG 15 - Life on Land.

## **SUBMISSION TYPES**

**Full Length Paper:** (5,000 to 6,000 Words) It will be published in Springer proceedings (Scopus Indexed)

**Research Pitch:** Extended Abstract (1500 Words) It will be published in FOS 2026-GRIE conference Proceeding book with ISBN

### **Publication outlet:**

- All submissions will undergo a rigorous peer-review process. Based on the review outcomes:
- Selected ideas and abstracts will be included in the Book of Abstracts (with ISSN).
- Conference Full length papers will be published in the Springer Proceedings (Scopus Indexed).
- Selected full papers, as recommended by the conference peer-review team, will be invited for submission to one of the listed journals, in alignment with the scope of the work.

**Note:** For more details, please refer author guidelines in conference website

**Website link:** <https://fos.tsm.ac.in/>

**Submission link:** <https://forms.gle/BZ4kipxiDbJpu7aj6>

## **Major References**

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- Hailemariam, A., & Erdiaw-Kwasie, M. O. (2023). Towards a circular economy: Implications for emission reduction and environmental sustainability. *Business Strategy and the Environment*, 32(4), 1951–1965. <https://doi.org/10.1002/bse.3229>
- King, M. R., Timms, P. D., & Mountney, S. (2023). A proposed universal definition of a digital product passport ecosystem (DPPE): Worldviews, discrete capabilities, stakeholder requirements and concerns. *Journal of Cleaner Production*, 384, 135538. <https://doi.org/10.1016/j.jclepro.2022.135538>
- Regulation (EU) 2024/1781 of the European Parliament and of the Council of 13 June 2024 establishing a framework for the setting of ecodesign requirements for sustainable products, amending Directive (EU) 2020/1828 and Regulation (EU) 2023/1542 and repealing Directive 2009/125/EC. (2024, June 28). Official Journal of the European Union. <http://data.europa.eu/eli/reg/2024/1781/2024-06-28>
- United Nations Environment Programme. (2024). Global resources outlook 2024: Bend the trend – Pathways to a liveable planet as resource use spikes. International Resource Panel. <https://wedocs.unep.org/20.500.11822/44901>