

## R A M E S H   K R I S H N A N

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| RESEARCH & TEACHING INTERESTS | Operations Research, Operations Management, Supply Chain Management, Data Analytics, Machine Learning, Sustainability and Circular Economy.  |
| EDUCATION                     | <p><b>Indian Institute of Technology Madras, India &amp; University of Technology Sydney, Australia.</b><br/>Joint Ph.D. in Operations &amp; Supply Chain Management</p> <p><b>National Institute of Technology, Tiruchirappalli</b><br/>M.Tech in Industrial Engineering and Management<br/>Project title: Modelling and Deployment of Lean Remanufacturing Principles to an Automotive Component.</p> <p><b>Anna University, BIT Campus, Tiruchirappalli</b><br/>B.E. in Mechanical Engineering</p>  |
| JOURNALS                      | <p>Krishnan, R., Arshinder, K., Agarwal, R., YYYY. “A multi-objective optimisation of food supply chain network for sustainability considering perishability and food waste valorisation.” <i>Computers and Industrial Engineering</i>. (Under review).</p> <p>Krishnan, R., Agarwal, R., Bajada, C., Arshinder, K., 2020. “Redesigning a food supply chain for environmental sustainability – An analysis of resource use and recovery.” <i>Journal of Cleaner Production</i>. 242. <b>(H Index – 173, 5-Year Impact Factor: 7.491 &amp; A Category in ABDC Ranking)</b>.</p> <p>Krishnan, R., Phan, Y, Agarwal, R., Arshinder, K., Bajada, C., 2020. “Collaborative Innovation and Sustainability in food supply chain- Evidence from Farmer Producer Organisations.” <i>Resource Conservation and Recycling</i>. <b>(H Index – 119, 5-Year Impact Factor: 7.589, A Category in ABDC Ranking)</b>.</p> <p>Vasanthakumar, C., Vinodh, S., Ramesh, K., 2016. Application of interpretive structural modelling for analysis of factors influencing lean remanufacturing practices. <i>International Journal of Production Research</i>. 54. <b>(H Index – 125, 5-Year Impact Factor: 4.577 &amp; A Category in ABDC Ranking)</b>.</p> <p>Muruganantham, G., Vinodh, S., Arun, C.S., Ramesh, K., 2016. Application of interpretive structural modelling for analysing barriers to total quality management practices implementation in the automotive sector. <i>Total Quality Management and Business Excellence</i>. 29. <b>(H Index – 76, 5-Year Impact Factor: 2.922, C Category in ABDC Ranking)</b>.</p> <p>Vinodh, S., Ramesh, K., Arun, C.S., 2016. Application of interpretive structural modelling for analysing the factors influencing integrated lean sustainable system. <i>Clean Technology and Environmental Policy</i>. 18. <b>(5-Year Impact Factor: 2.599)</b>.</p> |

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| <p>CONFERENCES</p>   | <p>Krishnan, R., Arshinder, K, Agarwal, R., 2019. “Sustainability through Redesign and Optimization of Food Supply Chain.” <i>POMS 30th Annual Conference</i>. Washington DC, USA.</p> <p>Krishnan, R., Arshinder, K, Agarwal, R., 2019. “A Systematic Review and Morphological Analysis of Sustainable Food Supply Chain.” <i>IITM DoMS Research Symposium – 2019</i>, IIT Madras, Chennai, India.</p> <p>Krishnan, R., Arshinder, K, Agarwal, R., 2019. “Optimisation of Food Supply Chain considering Sustainability Dimensions and Food Waste Valorisation.” <i>XXIII Annual International Conference of the Society of Operations Management (SOM 2019)</i>, IIT Kanpur, Kanpur, India.</p> <p>Krishnan, R., Arshinder, K, Agarwal, R., 2019. Enhancing Sustainability through Redesign and Optimisation of a Food Supply Chain: Evidence from Mango Food Supply Chains in India. <i>Third Indo-German Doctoral Colloquium 2019</i>. IIT Madras, Chennai, India.</p> <p>Vinodh, S., Ramesh, K., Arun, C.S., 2015. “An ISM based approach for analysis of influential factors for Lean Six Sigma implementation in SMEs” in <i>International Conference on Industrial Engineering</i>, S.V. National Institute of Technology, Surat, India.</p> |
| <p>BOOK CHAPTERS</p> | <p>Krishnan, R., Phan, Y., Paul, SK., Arshinder, K., 2021. “Blockchain and Allied Technologies for Food Supply Chain Risk Mitigation in Global Value Chains” in “The Routledge Companion to Global Value Chains: Reinterpreting and reimagining mega trends in the world economy” edited by Bajada, C., Agarwal, R., Green, R., Skellern, K. (to be published by <i>Routledge, Informa UK</i> in 2021).</p> <p>Padman, R., Krishnan, R., Agarwal, R., 2021. “Integration of ICT Systems and Processes: Supply Chain, Process Management and Patient Safety with Data Analytics to Enhance Healthcare Delivery” in “The Routledge Companion to Global Value Chains: Reinterpreting and reimagining mega trends in the world economy” edited by Bajada, C., Agarwal, R., Green, R., Skellern, K. (to be published by <i>Routledge, Informa UK</i> in 2021).</p>   |
| <p>EXPERIENCE</p>    | <p><b>Internship Trainee</b> at GE, Bangalore<br/> Department: Sourcing, Feb 2016 – June 2016<br/> Project: Development of cost configurator for reference cost estimation.</p> <p><b>Academic Tutor</b> for the following subjects at UTS Business School, Sydney, Australia.<br/> Global Operations and Supply Chain Management (21511),<br/> Strategic Supply Chain Management (21797)<br/> Services and Network Productivity with Data Analytics (21745)</p> <p><b>Teaching Assistant</b> for the following subjects at IIT Madras<br/> Fundamentals of Operations Research (MS3510)<br/> Advanced Operations Research (MS3530)<br/> Supply Chain Management (MS5330)</p> <p><b>Research Associate</b> for the following projects at UTS Business School, Sydney, Australia<br/> Industry focused Supply Chain Research (SCR) Hub</p>   |

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|                         | <p>Mitigating the impact of Urbanisation on Agriculture through Short Food Supply Chain</p> <p><b>Research Assistant</b> for the project titled “Transforming Cold Food Chains in India Through Space Science and Technologies” at IIT Madras.</p> <p><b>Freelance Trainer</b> for Industrial Engineering and Operations Research subject at various GATE coaching institutions in India</p> |
| PROFESSIONAL ACTIVITIES | <p><b>Reviewed</b> journal articles for Computers and Industrial Engineering, International Journal of Production Research and International Journal of Lean Six Sigma journals.</p> <p>Student paper <b>reviewer</b> in the DoMS Research Symposium 2019 at IIT Madras</p> <p>Student <b>coordinator</b> for MS/PhD admission 2017 at IIT Madras.</p>                                       |
| SOFTWARE SKILLS         | <p>CPLEX, Python, R Programming, SimaPro, SPSS &amp; Arena.</p>  |