

## Curriculum Vitae Dr. Manoj Govind Kharat

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Date of Birth: June 19<sup>th</sup>, 1987

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### ACADEMIC QUALIFICATIONS

Degree	Specialization	Institute
FPM (PhD)	Sustainability and Strategy	NITIE, Mumbai
UGC - NET	Management	UGC, India
MBA	1 Environmental Management	TGOU, India
	2 Planning and Development Management (Strategy)	
MSc	Organic and Environmental Chemistry	University of Mumbai
BSc	Chemical Sciences	University of Mumbai
Certificate	Fire Safety and Industrial Safety Management	IDEMI, GOI, Mumbai

### PROFESSIONAL EXPERIENCE

Total experience - 5 years 10 months

Designation	Organization	Period
Consultant	Padmavati Enterprises, Kalamb-Pune	01 September, 2017 - till date
Research Assistant	CESE-IIT Bombay	10 March, 2017 - 30 August, 2017
Consultant	Padmavati Enterprises, Kalamb-Pune	01 July, 2016 - 28 February, 2017
Research Assistant	CES - NITIE, Mumbai	06 May, 2010 - 05 May, 2011
Production Officer	Octorich Dairy Products, Karnataka	04 May, 2009 - 03 May, 2010
Industrial Trainee	Associated Capsules Pvt. Ltd., Mumbai	02 May, 2008 - July 04, 2008

### TEACHING INTERESTS

Sustainability and Principles of Sustainable Management, General Management, Business Sustainability, Business Strategy and Environment, Sustainable Business Models, Strategic Management and Competitiveness, Strategic CSR and Stakeholder Engagement, Business Ethics, Business Research, Environmental Management and Modelling, Corporate Environmental Responsibility, Environmental Proactivity, Natural Resources Management, Waste Management and Modelling, Circular Economy, Climate Change, Sustainable Supply Chain Management, Life Cycle Analysis, Cleaner Technology and Innovation, Energy Management, Industrial Safety.

## RESEARCH INTERESTS

Sustainability Management, Business Sustainability, Sustainable Business Models, Business Strategy and Environment, Environmental Management, Environmental Modelling, Stakeholder Engagement, Dynamic Capability, Corporate Environmental Responsibility, Strategic CSR, Strategic Management and Competitiveness, Environmental Proactivity, Natural Resources Management, Waste Management and Modelling, Pollution Prevention, Climate Change, Cleaner Technology and Innovation, Energy Management, Sustainable Supply Chain Management, Business Research.

## LECTURES/ SHORT TERM COURSES/SEMINARS CONDUCTED

### Subjects Taught

Environmental Management and Sustainable Development  
Industrial Pollution Control and Clean Technologies  
Industrial Waste and Wastewater Management  
Sustainable and Environmentally Conscious Manufacturing  
Life Cycle Assessment and Product Design

1. Assisted in teaching and evaluation of various M. Tech. (Environmental Science and Engineering.) courses at CESE, IIT Bombay - Delivered expert lectures on Sustainability, Environmental Change and Sustainable Development and Life Cycle Assessment and Product Design.
2. Delivered guest/expert lecture on Industrial Pollution Control and Clean Technologies at SKN Sinhgad College of Engineering, Korti, Pandharpur, Maharashtra, September 07, 2018.
3. Delivered guest/expert lecture on Industrial Waste and Wastewater Management at SKN Sinhgad College of Engineering, Korti, Pandharpur, Maharashtra, January 10, 2019.
4. Delivered guest/expert lecture on Sustainable and Environmentally Conscious Manufacturing at JSPM's Imperial College of Engineering and Research, Wagholi, Pune, Maharashtra, June 11, 2019.
5. Provided technical assistance for several consultancy and sponsored projects funded by various national and international agencies including European Union.

## SUMMARY OF RESEARCH PUBLICATIONS

Journal / Publication Category	Number
Referred International Journal Publications	41
Referred International Journal articles - Under review/revision	15
Referred International Conference Proceedings	15
Referred National Conference Proceedings	06
Book Chapters	03
<b>Total reputed publications</b>	<b>80</b>

## SELECTED PEER REVIEW INTERNATIONAL JOURNAL PUBLICATIONS

### \* Corresponding author

1. Sustainability in Banking Industry: A Strategic Multi-criteria analysis. \*Raut, R., Cheikhrouhou, N. and **Kharat, M.G.** Business Strategy and Environment, Vol. 26, No. 4, pp. 550-568, 2017. (*Scopus, SSCI, EBSCO, ProQuest, INSPEC, ABDC-A*).
2. Selecting Sustainable Technologies for Municipal Solid Waste Treatment and Disposal: An Expert based MCDM Approach. \***Kharat, M.G.**, Murthy, S., Kamble, S.J and Kharat, M.G. The Journal of Solid Waste Technology and Management, Vol. 46, No.1, pp. 43-56, 2020. (*Scopus, SCIMAGO-SJR EBSCO*).
3. Fuzzy Multi-Criteria Decision Analysis for Environmentally Conscious Solid Waste Treatment and Disposal Technology Selection. \***Kharat, M.G.**, Murthy, S., Kamble, S.J. Raut, R., Kamble, S. and Kharat, M.G. Technology in Society, Vol. 57, No.1, pp. 20-29, 2019. (*Scopus, SCIE, INSPEC*).
4. Treatment of Wastewater Using Constructed Wetland for Reuse (CW4Reuse): The Eco-centric Technology Intervention for Rural and Small Communities in India. \*Asolekar, S.R., Sutar, R., Lekshmi, B., Kamble, K.A., **Kharat, M.G.**, Ranade, D.R. and Parikh. Y.J. Water Supply, (Accepted), 2019. (*Google Scholar*).
5. Modelling the Drivers of Post-Harvest Losses - MCDM approach. \*Raut, R., Gardas, B., **Kharat, M.G.** and Narkhede, B. Computers and Electronics in Agriculture, Vol. 154, No.1, pp. 426-433, 2018. (*Scopus, SCIE, INSPEC*).
6. The Application of DELPHI and AHP Method in Environmentally Conscious Solid Waste Treatment and Disposal Technology Selection. \***Kharat, M.G.**, Raut, R., Kamble, S. and Kamble, S.J. Management of Environmental Quality, Vol. 27, No. 4, pp. 427-440, 2016. (*Scopus, EBSCO, INSPEC*).
7. Modelling Landfill Site Selection Using an Integrated Fuzzy MCDM Approach. \***Kharat, M.G.**, Kamble, S.J., Raut, R., Kamble, S. and Dhume, S. Modeling Earth Systems and Environment, Vol. 2, No. 2, pp. 1-16, 2016. (*ESCI, EBSCO, ProQuest*).
8. Identification and Evaluation of Landfill Site Selection Criteria Using a Hybrid Fuzzy Delphi, Fuzzy AHP and DEMATEL based Approach. \***Kharat, M.G.**, Kamble, S.J., Raut, R. and Kamble, S. Modeling Earth Systems and Environment, Vol. 2, No. 2, pp. 1-13, 2016. (*ESCI, EBSCO, ProQuest*).
9. The Role of Mangroves in Disaster Mitigation: A Review. \*Unnikrishnan, S., Singh, A. and **Kharat, M.G.** International Journal of Environment and Sustainable Development, Vol. 11, No. 2, pp. 164-179, 2012. (*Scopus, ESCI*).
10. Analysing the Determinants of Household Pro-Environmental Behaviour: An Exploratory Study. \***Kharat, M.G.**, Murthy, S., Kamble, S.J. and Kharat, M.G. Environmental Management and Sustainable Development, Vol. 6, No.1, pp. 184-205, 2017. (*EBSCO, ProQuest*).
11. Life Cycle Analysis and Sustainability Assessment of Advanced Wastewater Treatment Technologies. Kamble, S.J., Singh, A. and \***Kharat, M.G.** World Journal of Science Technology and Sustainable Development, Vol. 15, No. 2, pp. 169-185, 2018. (*ESCI, INSPEC*).
12. A hybrid life cycle assessment based fuzzy multi-criteria decision making approach for evaluation and selection of an appropriate municipal wastewater treatment technology. Kamble, S.J., Singh, A. and \***Kharat, M.G.** Euro-Mediterranean Journal for Environmental Integration, Vol. 2, No. 1, No. 9, pp. 1-17, 2017. (*ESCI, EBSCO, ProQuest*).
13. How do we Transition to Integrated Management of Water Cycle? \*Asolekar, S.R, Sutar, R., Lekshmi, B., Kamble, K.A, **Kharat, M.G.**, Ranade, D., Parikh, Y.J. Journal of Indian Water Works Association, Vol. 50, No. 1, pp. 1-6, 2018. (*SCIMAGO-SJR, Scopus*).
14. Investigating the Drivers of Pro-Environmental Behaviour: A Household Waste Minimisation Case.

- \*Kharat, M.G.**, Murthy, S., Kamble, S.J. and Kharat, M.G. Issues in Social Science, Vol. 5, No. 1, pp. 1-13, 2017. (*EBSCO, ProQuest*).
15. Environmental Applications of Nanotechnology: A Review. **\*Kharat, M.G.**, Murthy, S. and Kamble, S.J. ADBU Journal of Engineering Technology, Vol. 6, No. 3, pp. 1-11, 2017. (*Google Scholar*).
  16. Municipal Solid Waste Vehicle Route and Optimization Using GIS. **\*Kharat, M.G.**, Murthy, S. and Kamble, S.J. International Journal of Research in Engineering, Science and Technology, Vol. 2, No. 2, pp. 39-42, 2016. (*Google Scholar*).
  17. The Incubatees' Perspective on Identifying Priority Enabling Factors for technology Business Incubators. Bacalan, R., Cupin, M., Go, L.A., Manuel, M., \*Ocampo, L., **Kharat, M.G.** and Promentilla, M.A. Engineering Management Journal, Vol. 31, No. 3, pp. 177-192, 2019. (*Scopus, SSCI, EBSCO, ProQuest*).
  18. Application of Hybrid Firefly Algorithm-Tabu Search Technique to Minimize the Makespan in Job Shop Scheduling Problem: Minimizing the Makespan using Hybrid Algorithm. **\*Kharat, M.G.**, Khadke, S., Raut, R., Kamble, S., Kamble, S.J. and Kharat, M.G. International Journal of Applied Industrial Engineering, Vol. 3, No. 2, pp. 1-21, 2016. (*INSPEC, ProQuest, Google Scholar*).
  19. An Interpretative Structural Modelling Approach to Brand Experience for Consumer Durables Brands. **\*Kharat, M.G.**, Chikhalkar, R.D., Jha, M.K. and **Kharat, M.G.** International Journal of Business Forecasting and Marketing Intelligence, Vol. 05, No. 03, pp. 321-345, 2019. (*CNPIEC, Google Scholar*).
  20. Identification and Ranking the Significant Factors Influencing Customer Experience for Shopping Malls in the Indian Context. **\*Kharat, M.G.**, Chikhalkar, R.D., Jha, M.K. and **Kharat, M.G.** International Journal of Indian Culture and Business Management, (Accepted), 2019. (*ESCI, CNPIEC*).
  21. Modelling the Barriers of Sustainable Supply Chain Management Practices in Indian Industries. **\*Kharat, M.G.**, Murthy, S., Kamble, S.J. and Kharat, M.G. Journal of Emerging Technologies and Innovative Research, Vol. 6, No. 3, pp. 138-142, 2019. (*Google Scholar*).
  22. Decision Support System Framework for Performance Based Evaluation and Ranking System of CFAs. Karthik, B., Raut, R., Kamble, S., **\*Kharat, M.G.** and Kamble, S.J. Strategic Outsourcing: An International Journal, Vol. 8, No. 1, pp. 23-52, 2015. (*Scopus, ESCI, ABDC-C*).
  23. Sustainable Evaluation & Selection of potential Third Party Logistics providers (3PL): An Integrated MCDM Approach. **\*Raut, R., Kharat, M.G.**, Kamble, S.J. and Chandrasekhar, K. Benchmarking: An International Journal, Vol. 25, No. 1, pp. 76-97, 2018. (*Scopus, EBSCO, ProQuest, ESCI, INSPEC, ABDC-B*).
  24. Strategic Buyer-Supplier Relationship Improvement: Development of Constructs and Measurement. **\*Joshi, S.**, Bhasin, H.V., Verma, R. and **Kharat, M.G.** International Journal of Supply Chain and Inventory Management, Vol. 1, No. 4, pp. 306-341, 2016. (*Google Scholar*).
  25. Critical Success Factors for Supplier Development and Buyer Supplier Relationship: Exploratory Factor Analysis. Joshi, S., Bhasin, H.V., Verma, R. and **\*Kharat, M.G.** International Journal of Strategic Decision Sciences, Vol. 7, No. 1, pp. 18-38, 2016. (*EBSCO, INSPEC, ABDC-B*).
  26. To Examine the Relationships between Supplier Development Practices and Supplier-Buyer Relationship Practices from the Supplier's Perspective. Joshi, S., **Kharat, M.G.**, **\*Raut, R.**, Kamble, S. and Kamble, S.J. Benchmarking: An International Journal, Vol. 24, No. 5, pp. 1303-1336, 2017. (*Scopus, EBSCO, ProQuest, ESCI, INSPEC, ABDC-B*).
  27. Structural Equation Modelling of Determinants of Buyer-Supplier Relationship Improvement Strategies: Case of Indian Manufacturing Firms. **\*Joshi, S.**, Bhasin, H.V., Verma, R. **Kharat, M.G.** and Kharat, M.G. Asia-Pacific Journal of Management Research and Innovation, Vol. 12, No. 2, pp. 95-108, 2016. (*Google Scholar, ICI*).
  28. Evaluation and Selection of Third Party Logistics Services Providers using Data Envelopment Analysis:

- A Sustainable Approach. Choudhury, N., \*Raut, R., Gardas, B., **Kharat, M.G.** and Ichake, S. International Journal of Business Excellence, Vol. 14, No. 4, pp. 427-453, 2018. (*Scopus*).
29. 3PL Evaluation and Selection Using Integrated Analytical Modeling. Haldar, A., Qamaruddin, U., Raut, R., Kamble, S., \***Kharat, M.G.** and Kamble, S.J. Journal of Modelling in Management, Vol. 12, No.2, pp. 224-242, 2017. (*Scopus, EBSCO, ProQuest, ESCI, INSPEC, ABDC-C*).
  30. A Hybrid Approach using Data Envelopment Analysis & Artificial Neural Network for optimizing 3PL Supplier Selection. \*Raut, R., Kamble, S., **Kharat, M.G.**, Hemandu, H., Chirag, S. and Kamble, S.J. International Journal of Logistics Systems and Management, Vol. 26, No. 2, pp. 203-223, 2017. (*Scopus, CNPIEC*).
  31. Evaluation and Selection of Third-Party Logistics Providers (3PL) by using an Integrated Multi-Criteria Decision Making Approach. \*Raut, R., **Kharat, M.G.**, Kamble, S., Kamble, S.J. and Desai, R. International Journal of Services and Operations Management, Vol. 29, No. 3, pp. 373-392, 2018. (*Scopus*).
  32. Revisiting Brand Experience; A Research Review, Conceptual Framework and an Agenda for Future Research. \*Kharat, M.G. and **Kharat, M.G.** The Marketing Review, Vol. 17, No. 4, pp. 469-493, 2018. (*Google Scholar*).
  33. Brand experience: development of the conceptual framework and critical research propositions. Kharat, M.G., Chikhalkar, R.D., Jha, M.K. and \***Kharat, M.G.** International Journal Management Concepts and Philosophy, Vol. 11, No. 3, pp. 340-363, 2018. (*CNPIEC, Google Scholar*).
  34. Analyzing the Antecedents and Consequences of Brand Experience: An Exploratory Study in the Case of Consumer Durables in the Indian Context. \*Kharat, M.G., Chikhalkar, R.D., Jha, M.K. and **Kharat, M.G.** International Journal of Marketing and Business Communication, Vol. 7, No. 4, pp. 12-31, 2018. (*ProQuest, ICI, Google Scholar*).
  35. To Measure the Business Performance through Cloud Computing Adoption in Indian Scenario: Structural Equation Modelling (SEM). Priyadarshinee, P., Jha, M.K., \*Raut, R. and **Kharat, M.G.** International Journal Business Information Systems, Vol. 28, No. 4, pp. 468-503, 2018. (*Scopus, CNPIEC*).
  36. To Identify the Critical Success Factors for Cloud Computing Adoption by MCDM Technique. Priyadarshinee, P., Jha, M.K., \*Raut, R., **Kharat, M.G.** and Kamble, S. International Journal Business Information Systems, Vol. 24, No.4, pp. 469-510, 2017. (*Scopus, CNPIEC*).
  37. Risk Analysis in Adoption of Cloud Computing in SMEs - A Literature Review. Priyadarshinee, P., Jha, M.K., \*Raut, R. and **Kharat, M.G.** International Journal Business Information Systems, Vol. 23, No.1, pp. 54-86, 2016. (*Scopus, CNPIEC*).
  38. Optimization of Cutting Parameter for Surface Finish and Hole Accuracy in Drilling of EN31: A Taguchi approach. Joshi, S., \*Raut, R., **Kharat, M.G.** and Kamble, S.J. International Journal of Management Concepts and Philosophy, Vol. 9, No. 4, pp. 330-346, 2016. (*CNPIEC, Google Scholar*).
  39. Applying Statistical Process Control Techniques: A Case of Coupling Disc Manufacturing Company. Joshi, S., **Kharat, M.G.**, \*Raut, R. and Kamble, S.J. Industrial Engineering Journal, Indian Institution of Industrial Engineering (In Press). (*Google Scholar*).
  40. Status of Municipal Solid Waste Management in Mumbai. \***Kharat, M.G.**, Murthy, S., Kamble, S.J. and Kharat, M.G. Waste Management, Vol. 54, No.1, pp. I-III, 2016. (*Scopus, SCIE, INSPEC*).
  41. Application of MCDM Techniques in Municipal Solid Waste Treatment and Disposal Method Selection. \***Kharat, M.G.**, Raut, R., Kamble, S.J. and Kamble, S. Waste Management, Vol. 45, No. 1, pp. I-III, 2015. (*Scopus, SCIE, INSPEC*).

## BOOK CHAPTERS

1. Climate Change and Disaster Risk Management - The Role of Mangroves in Disaster Mitigation, 2012. Unnikrishnan, S., Singh, A. and **Kharat, M.G.** Springer-Verlag, Berlin, Heidelberg.
2. The General Insights on Management - Solid Waste Management - A Review of Advanced Technologies and Models, 2017. **Kharat, M.G.**, Murthy, S. and Kamble, S.J. Faculty of Management, Czestochowa University of Technology, Poland.
3. The General Insights on Management - Solid Waste Management - Cross Country Analysis between Poland and India: Differences and Similarities, 2017. **Kharat, M.G.**, Murthy, S., Kamble, S.J. and Bajdor, P. Faculty of Management, Czestochowa University of Technology, Poland.

## CONFERENCE PROCEEDINGS AND SEMINAR PRESENTATIONS

1. Bisorption and Kinetic Thermodynamic Studies of Dry Cow Dung Powder for Treating Nuclear Waste. Barot, N., \*Bagla, H. and **Kharat, M.G.** Nuclear and Radiochemistry Symposium (NUCAR - 2011). Organised by Board of Research in Nuclear Sciences, Department of Atomic Energy, GITAM University, Vishakhapatnam, Andhra Pradesh and Indian Association of Nuclear Chemists and Allied Scientists, February 22-26, 2011, Vishakhapatnam, India.
2. Municipal solid waste management using GIS. \***Kharat, M.G.**, Murthy, S. and Kamble, S.J. National Conference on Industrial Engineering & Technology Management (NCIETM - 2014). Organised by, National Productivity Council, Indian Institute of Industrial Engineering, National Institute of Industrial Engineering, Excel Publication, Vol.1, ISBN: 978-93-83842-90-2, October 29-31, 2014, NITIE, Mumbai, India.
3. Estimating environmental footprints of wastewater treatment plant using LCA approach. \*Kamble, S.J., Singh, A. and **Kharat, M.G.** National Conference on Industrial Engineering & Technology Management (NCIETM - 2014). Organised by, National Productivity Council, Indian Institute of Industrial Engineering, National Institute of Industrial Engineering, Excel Publication, Vol.1, ISBN: 978-93-83842-90-2, October 29-31, 2014, NITIE, Mumbai, India.
4. Determinants of Pro-environmental Behaviour. \***Kharat, M.G.** and Murthy, S. The Asian Conference on Sustainability, Energy and the Environment (ACSEE - 2016). Organised by IAFOR- International Academic Forum, June 09-12, 2016, Kobe, Japan.
5. Environmental Applications of Nanotechnology: A Review. \***Kharat, M.G.**, Murthy, S. and Kamble, S.J. iCAN17 - International Conference on Advances in Nanotechnology. Organised by Sustainable Nanotechnology Organization (Washington DC, USA) and Assam Don Bosco University, January 09-13, 2017, Guwahati, India.
6. A hybrid LCA based Fuzzy-MCDM Approach for Assessment and Selection of an Appropriate Wastewater Treatment Technology. \*Kamble, S.J., Singh, A., Sadr, S. and **Kharat, M.G.** International Conference on Civil, Agricultural, Biological and Environmental Sciences (CABES-17), May 10-11, 2017 Dubai, UAE.
7. Green Nanotechnology and Green Innovation: Pathways to Sustainable Development. Murthy, S. and \***Kharat, M.G.** Environmental Nano Technology for Socio-Economic Development of India (ENTSED) - International Conference on Environmental Nanotechnology and Socio-Economic development in India, September 28-29, 2018, DIT University, Dehradun, India.
8. Treatment of Wastewater Using Constructed Wetland for Reuse (CW4Reuse): The Eco-centric Technology Intervention for Rural and Small Communities in India. \*Sutar, R., Lekshmi, B., Kamble, K.A., **Kharat, M.G.**, Ranade, D.R., Parikh, Y.J. and Asolekar, S.R. IWA Specialist, The 16<sup>th</sup>

- International Conference on Wetland Systems for Water Pollution Control (ICWS 2018), September 30-October 04, 2018, UPV, Valencia, Spain.
9. Understanding Attitudes of Indian Customers towards Vacuum Cleaner. \*Ranjan, R., Prasad, T. and **Kharat, M.G.** International Conference on Facets of Business Excellence (FOBE 2018), November 22-26, 2018, IMT Ghaziabad, India.
  10. Smart City and Public Support: Citizens' Perception. Murthy, S., \***Kharat, M.G.**, Kamble, S.J. and Kharat, M.G. National Conference on Industrial Engineering & Technology Management (NCIETM - 2018), November 30 - December 01, 2018, NITIE, Mumbai, India.
  11. An MCDM Approach for the Selection of Waste-To-Energy Plant Investment Projects. \***Kharat, M.G.**, Murthy, S., Kamble, S.J. and Kharat, M.G. National Conference on Industrial Engineering & Technology Management (NCIETM - 2018), November 30 - December 01, 2018, NITIE, Mumbai, India.
  12. Identifying Barriers for Adopting Green Supply Chain Management Practices in Indian Industries. Murthy, S. and \***Kharat, M.G.** 4th International Conference on, "Economic Growth and Sustainable Development: Emerging Trends", November 23-24, 2018, SDMIMD, Mysore, India.
  13. Sustainable Utilization and Management of Leather Waste: A Circular Economy Approach. Dusane, M, \***Kharat, M.G.**, Kamble, S.J. and Kharat, M.G. International Conference on Emerging Trends in Management, Engineering, Law, Technology and Science (ICEMELTS - 2018), December 03-05, 2018, Sandip University, Nashik, India..
  14. Public and Private Sphere Pro-Environmental Behaviour: The importance of Environmental Knowledge. Murthy, S., \***Kharat, M.G.**, Kamble, S.J. and Kharat, M.G. 12th Annual ISDSI Conference - Decision Sciences Institute (DSI), December 27-30, 2018, SP Jain Institute of Management & Research (SPJIMR), Mumbai, India.
  15. Modelling the Barriers of Sustainable Supply Chain Management Practices in Indian Industries. \***Kharat, M.G.**, Murthy, S., Kamble, S.J., and Kharat, M.G. National Conference on Advancements in Mechanical Engineering and Industrial Management (NCAMEIN - 2019), February 15-16, 2019. Imperial College of Engineering and Research, Pune, India.
  16. Sustainable and Smart Manufacturing Industry 4.0: Implementation, Challenges and Implications for Process Safety and Environmental Protection. \***Kharat, M.G.**, Murthy, S., Kamble, S.J. and Kharat, M.G. IAMOT-2019, 28th International Conference on Management of Technology. Organised by NITIE, Mumbai, IITD, IIT Kharagpur, STEM, ARCI- Hyderabad, April 07-11, 2019, NITIE, Mumbai, India.
  17. Opportunities and Challenges of Green nanotechnology and Green Innovation in Green Economy. Dusane, M, \***Kharat, M.G.**, Kamble, S.J., Kharat, M.G. and Murthy S. International Conference on Civil, Mechanical and Industrial Engineering (ICCMIE- 2019), March 29-30, 2019, SKNSCOE, Pandharpur, Maharashtra, India.
  18. Effect of market pressure, environmental management practices, capabilities and organizational culture on corporate environmental strategy. \***Kharat, M.G.**, Murthy, S., Kamble, S.J., and Kharat, M.G. POMS International Conference 2019, December 13-14, 2019. K J Somaiya Institute of Management Studies & Research, Mumbai, India. (Accepted)
  19. Analysing the Determinants of Consumer Environmental Behaviour: Empirical Evidence from India. \***Kharat, M.G.**, Murthy, S., Kamble, S.J. and Kharat, M.G. IAMOT-2019, 29th International Conference on Management of Technology. Organised by Nile University, April 05-09, 2020, NITIE, Mumbai, Egypt. (Accepted).
  20. Selection of Appropriate Locations of Municipal Solid Waste Transfer Stations: An MCDM Approach. \***Kharat, M.G.**, Murthy, S., Kamble, S.J., Kharat, M.G. and Parhi, S. 3rd International Conference on Business, Economics and Sustainable Development - ICBESD-2020. Organised by TERI School of

Advanced Studies (formerly known as TERI University) in collaboration with National Institute of Securities Markets (NISM), March 02-03, 2020, NISM, Maharashtra, India. (Accepted).

21. Electronic Waste Management: A Strategic Analysis using Game-Theoretic Approach. \*Kharat, M.G., Kamble, S.J., Murthy, S. and Kharat, M.G. 3rd International Conference on Business, Economics and Sustainable Development - ICBESD-2020. Organised by TERI School of Advanced Studies (formerly known as TERI University) in collaboration with National Institute of Securities Markets (NISM), March 02-03, 2020, NISM, Maharashtra, India. (Accepted).

## **PROJECTS (INDUSTRIAL, ACADEMIC AND RESEARCH)**

### **MBA - Environmental Management Thesis - “Changes in Corporate Sustainability and Environmental Management - A constructivist Grounded Theory Approach”.**

Details: The study identified a paradigmatic change, and using a constructivist approach to grounded theory methodology sets its theoretical basis under the name of valued ecocentrism. Furthermore, it developed a tool using the concepts of business model and eco-innovation, concepts which actually guided the way towards defining the new paradigm as well. Through the obtained conceptual results the study offered, a solution to motivate the business practitioners to take action in the background of the current environmental challenges and, to help environmental researchers enhance a higher degree of collaboration with the business sphere.

### **MBA - Planning and Development Management (Strategy) Thesis - “Strategic Initiatives for Sustainability - A Collaborative Decision-making Approach in Urban Planning and Development”.**

Details: The aim of the study was twofold, 1. The study explored the overarching topic of the capacity of strategic urban planning and development decisions and initiatives to positively and powerfully influence the ability of an urban centre to promote sustainable patterns of planning and development. 2. The study presented a theoretical analysis of collaborative rationality and urban governance contributions. This analysis focused on the articulation of those aspects that can offer a more holistic framework for addressing urban issues in a more inclusive way. Overall, the study offered a better understanding of how transformative change can happen in cities. The study also helps to understand how significant decisions regarding uses and renovation of urban space are made and the opportunities to implement more collaborative processes in planning and development.

### **MSc Thesis - “Synthesis and Application of Cationic Softeners and Wetting Agents”.**

Details: The study included the synthesis of cationic fabric softeners and wetting agents, studying their physicochemical properties and application to different fabrics.

### **Post Graduate Diploma - PGDISM Thesis - “Study of Occupational and Health Safety Management System (OHSMS) in Educational Institutes: Implementation and Challenges”.**

Details: Concept of Occupational Health and Safety (OHS) has significant importance in the industrial sector. It is generally considered that the management system of health and safety not only reduces loss and cost of accidents and ill-health, but it also improves the performance and efficiency of employees. The study aimed to contribute to knowledge pool by studying OHS work in universities and explore possibilities for the implementation of OHSMS. This study is based on literature, Standard and Guidelines of occupational health and safety management systems. In addition, the study was performed on OHS work among different universities, for possibilities of implementing OHSMS in universities and a case study of the University of Mumbai. SWOT analysis was performed for the possibilities of OHSMS implementation.



**Social Impact Evaluation of CSR-CD activities for NTPC Ltd. Jhanor, Gujrat, India. (In association with NITIE, Mumbai)**

Details: Funding Agency - NTPC Ltd, India

**Understanding Household Waste Minimization and Management Behaviour.**

Details: Funding agency - MHRD, GOI - National Institute of Industrial Engineering - NITIE, Mumbai.

The study aimed at understanding the engagement of individuals in household waste minimization behaviour. The study provided meaningful insights into source reduction of waste.

**Catalyzing Rural Development and Women Empowerment through Implementing Eco-centric Technology aimed at Gainful Recycling of Treated Sewages.**

Details: Funding agency - RGSTC, Govt. of Maharashtra and Indian Institute of Technology – IIT Bombay.

**Studies in Removal of Toxic Metals using Vegetation in Engineered Constructed Wetlands.**

Details: CESE, Indian Institute of Technology - IIT Bombay.

**Development of Framework for Assessment of Treatment and Disposal of Municipal Solid Waste.**

Details: CESE, Indian Institute of Technology - IIT Bombay.

**CAPSEM project - Capacity Building in Sustainability and Environmental Management.**

Details: CESE, Indian Institute of Technology - IIT Bombay, European Union (Erasmus Programme)

**Earth watch Institute - HSBC - IITB project - Sustainability Training Programme.**

Details: CESE, Indian Institute of Technology - IIT Bombay.

**TRAINING COURSES, WORKSHOPS, TEACHING-LEARNING EVALUATION TECHNOLOGY PROGRAMMES**

- Application of Radioactivity for Societal Benefits - Bhabha Atomic Research Center and K C College, Mumbai, February 05, 2010.
- Life Cycle Assessment (LCA) Software Gabi Training - NITIE, PE International GmbH Germany (Thinkstep), August 10, 2010.
- Business Benefits through Life Cycle Management - Carbon Management & Sustainability Management & Reporting - PE International (Thinkstep) GmbH Germany and NITIE, September 23-24, 2010.
- International Symposium and Workshop on Nuclear Analytical Chemistry (NAC - IV) - Bhabha Atomic Research Center, Mumbai, November 15-19, 2010.
- Unleashing Triple Bottom-Line: Introduction to GRI Based Sustainable Reporting - NITIE and Bombay Chamber of Commerce and Industries (BCCI), March 10, 2011.
- Nuclear and Radio Chemistry Symposium and Workshop - DAE-BRNS and Gitam Institute of Science, Vishakhapatnam, India, February 22-26, 2011.
- Arc-GIS Software Training - ESRI India, NITIE, July 25-29, 2011.
- Management and Valorisation of Industrial and Agricultural Wastes - Indo-Canadian Bilateral Workshop, I.I.T Bombay, INRS-ETE and Université Laval, Quebec, October 12, 2011.
- Geomatrix'12, "Geospatial Technologies & Applications" - IIT Bombay, February 26-29, 2012.
- Benefits of Environmental Management System (EMS) - NITIE, August 14, 2013.
- Industrial Safety & Human Factors, NITIE, March 10, 2014.

- Environmental Sustainability & Modelling - International Institute for Population Sciences, Deonar, Mumbai, May 13-14, 2014.
- International Symposium on Advances in Control and Instrumentation, SACI – 2014 - Bhabha Atomic Research Center, Mumbai, November 24-26, 2014.
- Production and Operations Management Society International Conference (POMS) - NITIE-POMS, December 18-21, 2014.
- Industrial Safety & Sustainability in Manufacturing - NITIE. March 07, 2015.
- The Development of Guidelines and Decision Support System for Waste Water Treatment Plants, Supporting Consolidation, Replication and Up-Scaling of Sustainable Wastewater Treatment and Reuse Technologies for India", SARASWATI - NITIE, May 6, 2015.
- Product Sustainability Round Table Conference, LCA-Thinkstep, Mumbai, August 2015.
- Strategy and the Sustainable Enterprise - Indian Institute of Management, Bangalore and Edx, November 2015.
- National Environmental Conference - Indian Institute of Technology, IITB, Mumbai, January 19-21, 2017.
- "Enhancement of Environmental Sustainability: The New Horizon of Circular Economy & Organizational Improvement" - "Capacity Building in Sustainability and Environmental Management" (CapSEM) - funded by Erasmus+ Programme of the European Union - Indian Institute of Technology, IITB, Mumbai, September 11-13, 2017.
- "Innovate to Transform", Tata Centre for Technology and Design, IIT Bombay, January 17-18, 2018.
- "SWACHH MUMBAI", Seminar on Segregation, Treatment, Recycle and Disposal of Solid Waste, SNDT University, Mumbai and Rotary Club of Mumbai Green City, 16-17 February 2018.
- "Environmental Sustainability through Science-based Tools and Approaches", Getting Started with Life Cycle Assessment, CSIR-National Environmental Engineering Research Institute, Nagpur, March 06-07, 2018.
- Circular Economy Roundtable organized by the Centre for Environmental Studies (CES) & the Centre for Supply Chain Management (CSCM), NITIE and co-partnered by the Bombay Chamber of Commerce & Industry (BCCI), the Ekconnect, Circular Economy Alliance Australia (CEAA) and Austrade, January 08, 2019.

## **TRAINING COURSES, WORKSHOPS AND CONFERENCES ORGANIZED**

- Application of Radioactivity for Societal Benefits - Bhabha Atomic Research Center and K C College, Mumbai, 5th February 2010.
- Life Cycle Assessment (LCA) Software Gabi Training - NITIE, PE International GmbH Germany (Thinkstep), August 2010.
- Business Benefits through Life Cycle Management - Carbon Management & Sustainability Management & Reporting - PE International (Thinkstep) GmbH Germany and NITIE. September 23 - 24, 2010.
- Unleashing Triple Bottom-Line: Introduction to GRI Based Sustainable Reporting - NITIE and Bombay Chamber of Commerce and Industries (BCCI), March 10, 2011.
- Arc-GIS Software Training - ESRI India, NITIE, July 25-29, 2011.
- National Conference on Industrial Engineering & Technology Management (NCIETM - 2014). Organised by, National Productivity Council, Indian Institute of Industrial Engineering, National Institute of Industrial Engineering.
- "Enhancement of Environmental Sustainability: The New Horizon of Circular Economy & Organizational Improvement" - "Capacity Building in Sustainability and Environmental Management" (CapSEM) -

funded by Erasmus+ Programme of the European Union - Indian Institute of Technology, IITB, Mumbai, September 11-13, 2017.

- National Conference on Advancements in Mechanical Engineering and Industrial Management (NCAMEIN - 2019), February 15-16, 2019. Imperial College of Engineering and Research, Pune, India. (Technical Advisory Committee Member).
- International Conference on Civil, Mechanical and Industrial Engineering (ICCMIE - 2019), March 29-30, 2019. SKN Sinhgad College of Engineering, Korti, Pandharpur, Maharashtra, India. (Scientific/Technical Committee Member).

#### **TECHNICAL SKILLS AND LANGUAGES**

- Computing: MS-CIT- Maharashtra State Certificate Course in Information Technology.
- Software Packages: SPSS, AMOS, GaBi - LCA.
- Languages: English (Fluent), Marathi (Native), Hindi (Native).

#### **PROFESSIONAL ASSOCIATIONS**

- Recognised Reviewer for International Journals of Elsevier, Springer, Taylor and Francis, Emerald, Inderscience, Environmental Engineering and Management Journal, World Scientific journals, World Academy of Science, Engineering and Technology (WASET, Connecticut, USA), Pearl journals and African Journal of Microbiology Research in the areas of Business Strategy and Sustainability, Strategic Management, Environmental Engineering & Management and Operations and Supply Chain Management.
- Life Cycle Assessment Forum, Thinkstep, Germany.

#### **CONTACT DETAILS**

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