

Research Paper report 2022

SUSTAINABILITY MANAGEMENT

Research & Publications -

1. Purva Mhatre; Vidyadhar Gedam; Seema Unnikrishnan (2021). Material Circularity Potential for Construction Materials-the case of Transportation Infrastructure in India. *Resources Policy*; 74; 102446. Link: <https://doi.org/10.1016/j.resourpol.2021.102446>. (SSCI, IF-5.63, ABDC-B Category, Publisher-Elsevier).
2. Shrivastava, S., & Unnikrishnan, S. (2021). Life Cycle Sustainability Assessment of crude oil in India. *Journal Of Cleaner Production*, Vol.no. 283 124654.
3. Mukesh Kumar, Vikas Choubey, Anurag Deepak, **Vidyadhar V. Gedam**, Rakesh Raut (2021). Life cycle assessment (LCA) of dairy processing industry: A case study of North India. *Journal of Cleaner Production*, 326:129331. Link: <https://doi.org/10.1016/j.jclepro.2021.129331> (SCIE, IF-9.29, ABDC-A Category, Scopus and SCIE indexed, Publisher-Elsevier).
4. **Vidyadhar V Gedam**; Rakesh D Raut; Ana Beatriz Lopes de, Sousa Jabbour; Nishant Agrawal (2021). Moving Forward on Circular Economy in Mining Industry: Challenges to Closed-Loop Governance. *Resources Policy*, Volume 74, 102279. (SSCI, IF-5.63, ABDC-B Category, Publisher-Elsevier). Link: <https://doi.org/10.1016/j.resourpol.2021.102279>
5. **Vidyadhar Gedam**, Rakesh Raut, Zeeshan Inamdar, Vaibhav Narwane, Balkrishna Narkhede, Swapnil Dharaskar (2021). COVID-19 critical success factors in Indian Healthcare sector- a DEMATEL Approach. *Journal of Multi-Criteria Decision Analysis*. (IF-2.59, ESCI, Scopus indexed, ABCD-Category B, Wiley Publication). DOI: 10.1002/mcda.1763.
6. Nayal, K., Raut, R., Lopes de Sousa Jabbour, A.B., Narkhede, B.E. and **Gedam, V.V.** (2021), "Integrated technologies toward sustainable agriculture supply chains: missing links", *Journal of Enterprise Information Management*, <https://doi.org/10.1108/JEIM-09-2020-0381>. (SSCI, IF-5.39, ABDC-A Category, Scopus indexed, Publisher- Emerald group publishing).
7. Sunil Deokar, Himanshu Patel, Priyanka Thakare, Sanjay Bhagat, **Vidyadhar V. Gedam**, Pranav Pathak (2021). Adsorptive Column Studies for Removal of Acid Orange 7 Dye Using Bagasse Fly Ash. *Indian J. of Chemical Technology*, Vol. 28 (3), pp. 319-327. (IF:0.5, Scopus indexed, Publisher-CSIR-NISCAIR). Link: <http://nopr.niscair.res.in/handle/123456789/57840>
8. **Vidyadhar Gedam**, Rakesh Raut, Ana Beatriz Lopes de Sousa Jabbour, Ajinkya N. Tanksale, Balkrishna Narkhede (2021). Circular economy practices in a developing economy: Barriers to be defeated. *Journal of Cleaner Production*, Volume 311, 127670. Link: <https://doi.org/10.1016/j.jclepro.2021.127670> (SCIE, IF-9.29, ABDC-A Category, Scopus and SCIE indexed, Publisher-Elsevier).
9. T V Sivanandhini, Seema Unnikrishnan, **Vidyadhar V. Gedam**. (2021). Planning and optimization framework for lubricant supply chain with a focus on spent oil-A circular economy approach. *International journal of sustainable engineering*, Vol. 14(3), 1-10 (IF-1.3, ESCI, Scopus indexed, Publisher- Taylor and Francis). Link: <http://dx.doi.org/10.1080/19397038.2021.1886373>.
10. **Vidyadhar V. Gedam**, Rakesh D. Raut, Pragati Priyadarshinee, Sricharan Chirra, Pranav D. Pathak (2021). Analyzing the adoption barriers for sustainability in the Indian power sector (2021). *International journal of sustainable engineering*. (IF:1.3, ESCI, Scopus indexed, Publisher- Taylor and Francis). DOI: <https://doi.org/10.1080/19397038.2021.1874072>
11. Chitra Pandey, **Hema Diwan**, (2021). Assessing fertilizer use behaviour for environmental management and sustainability: a quantitative study in agriculturally intensive regions of Uttar Pradesh, India, April 2021, **Environment Development and Sustainability** 23(1) DOI: 10.1007/s10668-020-00848-1 Impact Factor 3.219
12. Rohit Panchal, Anju Singh, **Hema Diwan** (2021). Does circular economy performance lead to sustainable development? – A systematic literature review, **Journal of Environmental Management**, 293, 2021, 112811, ISSN 0301-4797 <https://doi.org/10.1016/j.jenvman.2021.112811> Impact Factor 6.789

13. Rohit Panchal, Anju Singh, **Hema Diwan** (2021). Economic potential of recycling e-waste in India and its impact on the import of materials. **Resources Policy**, 74,2021,102264, ISSN 0301-4207, <https://doi.org/10.1016/j.resourpol.2021.102264>. Impact Factor 5.634