

Recent Publications:

- Bapat, H., Sarkar, D., & Gujar, R. (2021a). Selection of Sustainable Materials for Energy Savings of Infrastructure-Transportation Project in Ahmedabad, India Using BIM and FCM. *JOURNAL OF CONSTRUCTION IN DEVELOPING COUNTRIES*, 26(2), 135–161. <https://doi.org/10.21315/jcdc2021.26.2.7>
- Bapat, H., Sarkar, D., & Gujar, R. (2021b). Application of integrated fuzzy FCM-BIM-IoT for sustainable material selection and energy management of metro rail station box project in western India. *INNOVATIVE INFRASTRUCTURE SOLUTIONS*, 6(2). <https://doi.org/10.1007/s41062-020-00431-7>
- Majumdar, D., Pal, T., Sakib, S., Das, S., Bankura, K., & Mishra, D. (2021). Synthesis, spectroscopic characterization, and SC-XRD study of one privileged heteronuclear Ni(II)/Hg(II)-Salen complex: An exclusive DFT outlook. *INORGANIC CHEMISTRY COMMUNICATIONS*, 128. <https://doi.org/10.1016/j.inoche.2021.108609>
- Ranganath, N., & Sarkar, D. (2021). Life Cycle Costing Analysis of Solar Photo Voltaic Generation System in Indian Scenario. *INTERNATIONAL JOURNAL OF SUSTAINABLE ENGINEERING*, 14(6), 1698–1713. <https://doi.org/10.1080/19397038.2021.1986596>
- Sarkar, D., Jha, K., & Patel, S. (2021). Critical chain project management for a highway construction project with a focus on theory of constraints. *INTERNATIONAL JOURNAL OF CONSTRUCTION MANAGEMENT*, 21(2), 194–207. <https://doi.org/10.1080/15623599.2018.1512031>

- Sarkar, D., & Sheth, A. (n.d.). Public private partnership model for sustainable bus rapid transit system in Ahmedabad, India. *INTERNATIONAL JOURNAL OF CONSTRUCTION MANAGEMENT*. <https://doi.org/10.1080/15623599.2021.1966579>
- Sarkar, D., & Singh, M. (2021). Development of risk index for mass rapid transit system project in Western India through application of fuzzy analytical hierarchy process (FAHP). *INTERNATIONAL JOURNAL OF CONSTRUCTION MANAGEMENT*, 21(5), 439–451. <https://doi.org/10.1080/15623599.2018.1557997>
- Sheth, A., & Sarkar, D. (2021). Social Benefit Cost Analysis of Electric Bus Transit for Ahmedabad. *TRANSPORTATION IN DEVELOPING ECONOMIES*, 7(1). <https://doi.org/10.1007/s40890-021-00116-5>
- Shukla, P., Pal, T., Sahoo, S., Du, M., Kong, X., & Das, S. (2021). New Family of Heptanuclear Lanthanide {Ln(7)} Clusters: Synthesis, Structure, and Magnetic Studies. *CHEMISTRYSELECT*, 6(9), 2456–2463. <https://doi.org/10.1002/slct.202100032>