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LIST OF PUBLICATIONS

International Journal Publications (indexed in SCI/SCIE/Scopus)

- **P. Gautam**, C.K. Behera, I. Sinha, G. Gicheva, K.K. Singh, High added-value materials recovery using electronic scrap-transforming waste to valuable products, *Journal of Cleaner Production* 330 (2022) 129836 (<https://doi.org/10.1016/j.jclepro.2021.129836>)
- **P. Gautam**, A.K. De, I. Sinha, C.K. Behera, K.K. Singh, Genesis of copper oxide nanoparticles from waste printed circuit boards and evaluation of their photocatalytic activity, *Environmental Research* 229 (2023) 115951 (<https://doi.org/10.1016/j.envres.2023.115951>)
- **P. Gautam**, A.K. De, M.D. Rao, I. Sinha, C.K. Behera, K.K. Singh, Waste Remediation: Low temperature synthesis of hybrid Cu(OH)₂/CuO and CuO nanostructures from spent printed circuit boards and their dye degradation studies, *Environmental Science and Pollution Research* (2023) (<https://doi.org/10.1007/s11356-023-29005-7>)
- **P. Gautam**, A.K. De, I. Sinha, C.K. Behera, K.K. Singh, Waste to wastewater treatment: Synthesis of CuO nanoparticles from discarded Printed Circuit Boards for the removal of Methylene Blue under visible light, *Materials Today: Proceedings* (2023) (<https://doi.org/10.1016/j.matpr.2023.08.005>)
- Utilization of copper recovered from waste printed circuit boards as a metal precursor for the synthesis of CuO-based nanostructures: Integration of developed approach to circular economy system (*submitted*)