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Education

August 2015 to October 2022: Department of Biological Sciences, Indian Institute of Science Education and Research Bhopal, Madhya Pradesh, India.
Awarded the degree of Ph. D for a thesis entitled "Dissecting the activator role of a general repressor complex, Tup1-Cyc8 in the cellular homeostasis maintenance under environmental stress conditions and the MAPK Hog1 mediated regulation of yeast flocculation." Work supervised by Dr. Raghuvir Sing Tomar.

Publications

1. Kumawat, R.; Tomar, R., Heavy metal exposure induces Yap1 and Hac1 mediated derepression of GSH1 and KAR2 by Tup1-Cyc8 complex. Journal of Hazardous Materials 2022, 429, 128367-128367.
2. Sariki, S. K.; Kumawat, R.; Singh, V.; Tomar, R. S., Flocculation of Saccharomyces cerevisiae is dependent on activation of Slt2 and Rlm1 regulated by the cell wall integrity pathway. Molecular microbiology 2019, 112 (4), 1350-1369. (*Authors credited as equally contributed first authors).
3. Babele, P. K.; Thakre, P. K.; Kumawat, R.; Tomar, R. S., Zinc oxide nanoparticles induce toxicity by affecting cell wall integrity pathway, mitochondrial function and lipid homeostasis in Saccharomyces cerevisiae. Chemosphere 2018, 213, 65-75.
4. Azad, G. K.; Swagatika, S.; Kumawat, M.; Kumawat, R.; Tomar, R. S., Modifying chromatin by histone tail clipping. Journal of molecular biology 2018, 430 (18), 3051-3067.