**LAST 5 YEARS SCIENTIFIC PUBLICATIONS**

**Full-length Publications**

Rajput, V.D., H., Singh, R.K., Verma, K.K., Sharma, L., Quiroz-Figueroa, F.R., Meena, M., Gour, V.S., Minkina, T., Sushkova, S., Mandzhieva, S. 2021. Recent Developments in Enzymatic Antioxidant Defence Mechanism in Plants with Special Reference to Abiotic Stress. Biology, 10(4), 267. Q-1, IF-3.796 <https://doi.org/10.3390/biology10040267>

Ranjan, A., Rajput, V. D., Minkina, T., Bauer, T., Chauhan, A., and Jindal, T. (2021). Nanoparticles Induced Stress and Toxicity in Plants. *Environmental Nanotechnology, Monitoring & Management*, 100457. Q-1, <https://doi.org/10.1016/j.enmm.2021.100457>

Verma Y, Singh SK, Jatav HS, Rajput VD, Minkina T. (2021). Interaction of zinc oxide nanoparticles with soil: insights into the chemical and biological properties. Environmental Geochemistry and Health. Q-1, IF-3.47 <https://doi.org/10.1007/s10653-021-00929-8>

Panchariya, V., Bhati, V., Madhyastha, H., Madhyastha, R., Prasad, J., Sharma, P., Sharma, P., Harish, Saini, M. K., Rajput, V.D., Nakajima, Y., Kothari, S.L., and Gour, V.S. (2021). Chromatic intervention and biocompatibility assay for biosurfactant derived from *Balanites aegyptiaca* (L.) Del. *Scientific Reports* 11, 4186. Q-1, IF-3.99 <https://doi.org/10.1038/s41598-021-83573-7>

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Jatav, H., Singh, S., Jatav, S., Rajput, V.D., Sushkova, S., 2021. Feasibility of sewage sludge application in rice-wheat cropping system. *Eurasian Journal of Soil Science*, Q-3. <https://doi.org/10.18393/ejss.880677>

Kumar, S., Singh, R., Kumari, N. Karmakar, S., Behera M, Siddiqui AJ, Rajput VD, Minkina T, Bauddh K, Kumar N. (2021). Current understanding of the influence of environmental factors on SARS-CoV-2 transmission, persistence, and infectivity. *Environmental Science and Pollution Research* Q-1, IF-3.05. <https://doi.org/10.1007/s11356-020-12165-1>

Singhal, R.K., Chauhan, J., Jatav, H.S. Rajput, V.D., Singh, G.S. Bose B. (2021) Artificial night light alters ecosystem services provided by biotic components. *Biologia Futura* Q-3. <https://doi.org/10.1007/s42977-020-00065-x>

Chaplygin, V.A., Minkina, T.M., Mandzhieva, S.S., Nazarenko, O.G., Zimulina, I.V., Bauer, T.V., Litvinov, Yu. A. Rajput. V. (2021). Heavy metals in agricultural crops of Rostov region through the example of soft wheat (Triticum aestivum) . IOP Conf. Ser.: Earth Environ. Sci. 624 012204 <https://doi:10.1088/1755-1315/624/1/012204>

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**Book (Monograph/textbook)**

Jatav, H.P., Singh, S.K., Rajput VD, Minkina, T., 2021. Sustainable Soil Fertility Management, Nova Science Publishers, Inc. 415 Oser Avenue, Suite N. Hauppauge, NY, 11788, USA, ISBN: 978-1-53619-055-7

**Book Chapters**

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