

Publication: (Last five years)

1. Kushwaha, A.S.^{*}, Thakur, R.S., Patel D.K., **Kumar, M.[#]**, 2022. Impact of arsenic on phosphate solubilization, acquisition and poly-phosphate accumulation in endophytic fungus *Serendipita indica*. Microbiological Research, 259: 127014. **#corresponding author (IF- 5.07)**
2. Shukla, J.^{*}, Mohd, S., Kushwaha, A.S., Narayan, S., Saxena, P.N., Bahadur, L., Mishra, A., Shirke, P.A., **Kumar, M.[#]**, 2022. Endophytic fungus *Serendipita indica* reduces arsenic mobilization from root to fruit in colonized tomato plant. Environmental Pollution, 298: 118830. **#corresponding author (IF- 9.98)**
3. Kushwaha, A.S.^{*}, **Kumar, M.[#]**, 2022. An effective in-gel assay protocol for the assessment of acid phosphatase (ACPase) isoform expression in the fungus *Serendipita indica*. 3Biotech 12, 1-8. **#corresponding author (IF- 2.8)**
4. González-Benítez, N., Durante-Rodríguez, G., **Kumar, M.**, Carmona, M., 2021. Editorial: Biotechnology for Arsenic Detection and Bioremediation. Frontiers in Microbiology 12. **(IF- 6.06)**
5. Mohd, S.^{*}, Kushwaha, A.S.^{*}, Shukla, J., Mandrah, K., Shankar, J., Arjaria, N., Saxena, P.N., Khare, P., Narayan, R., Dixit, S.,...Roy, S.K., **Kumar, M.[#]** 2019. Fungal mediated biotransformation reduces toxicity of arsenic to soil dwelling microorganism and plant. Ecotoxicology and environmental safety 176:108-118. **#corresponding author (IF- 7.12)**
6. Kumari, M., Giri, V.P., Pandey, S., **Kumar, M.**, Katiyar, R., Nautiyal, C.S. and Mishra, A., 2019. An insight into the mechanism of antifungal activity of biogenic nanoparticles than their chemical counterparts. Pesticide biochemistry and physiology, 157:45-52. **(IF- 4.96)**
7. Mohd, S.^{*}, Shukla, J.^{*}, Kushwaha, A.S., Mandrah, K., Shankar, J., Arjaria, N., Saxena, P.N., Narayan, R., Roy, S.K., **Kumar, M.[#]**, 2017. Endophytic fungi *Piriformospora indica* mediated protection of host from arsenic toxicity. Frontiers in microbiology 8: 754. **#corresponding author (IF- 6.06)**