



## Bibliografie

**Proiect: ARAGORN - Achieving Remediation And GOVERning Restoration of contaminated soils Now, HORIZON-MISS-2022-SOIL-01/ GA 101112723**

**Post: Asistent de cercetare științifică**

- Sharon, A. (Ed.). (2010). *Molecular and cell biology methods for fungi*. New York, NY: Humana Press.
- Catlett, N. L., Lee, B. N., Yoder, O. C., & Turgeon, B. G. (2003). Split-marker recombination for efficient targeted deletion of fungal genes. *Fungal Genetics Reports*, 50(1), 9-11.
- Lorenzo-Gutiérrez, D., Gómez-Gil, L., Guarro, J., Roncero, M. I. G., Fernández-Bravo, A., Capilla, J., & López-Fernández, L. (2019). Role of the *Fusarium oxysporum* metallothionein Mt1 in resistance to metal toxicity and virulence. *Metallomics*, 11(7), 1230-1240.
- Lorenzo-Gutiérrez, D., Gómez-Gil, L., Guarro, J., Roncero, M. I. G., Capilla, J., & Lopez-Fernandez, L. (2020). Cu transporter protein CrpF protects against Cu-induced toxicity in *Fusarium oxysporum*. *Virulence*, 11(1), 1108-1121.
- Albert, Q., Baraud, F., Leleyter, L., Lemoine, M., Heutte, N., Rioult, J. P., ... & Garon, D. (2019). Use of soil fungi in the biosorption of three trace metals (Cd, Cu, Pb): promising candidates for treatment technology?. *Environmental Technology*.
- Fomina, M., & Gadd, G. M. (2014). Biosorption: current perspectives on concept, definition and application. *Bioresource technology*, 160, 3-14.
- Chang, J., Duan, Y., Dong, J., Shen, S., Si, G., He, F., ... & Chen, J. (2019). Bioremediation of Hg-contaminated soil by combining a novel Hg-volatilizing *Lecythophora* sp. fungus, DC-F1, with biochar: Performance and the response of soil fungal community. *Science of the Total Environment*, 671, 676-684.
- Chang, J., Shi, Y., Si, G., Yang, Q., Dong, J., & Chen, J. (2020). The bioremediation potentials and mercury (II)-resistant mechanisms of a novel fungus *Penicillium* spp. DC-F11 isolated from contaminated soil. *Journal of hazardous materials*, 396, 122638.
- Chang, J., Si, G., Dong, J., Yang, Q., Shi, Y., Chen, Y., ... & Chen, J. (2021). Transcriptomic analyses reveal the pathways associated with the volatilization and resistance of mercury (II) in the fungus *Lecythophora* sp. DC-F1. *Science of The Total Environment*, 752, 142172.
- Pietro-Souza, W., de Campos Pereira, F., Mello, I. S., Stachack, F. F. F., Terezo, A. J., da Cunha, C. N., ... & Soares, M. A. (2020). Mercury resistance and bioremediation mediated by endophytic fungi. *Chemosphere*, 240, 124874.
- Wu, C., Tang, D., Dai, J., Tang, X., Bao, Y., Ning, J., ... & Fang, W. (2022). Bioremediation of mercury-polluted soil and water by the plant symbiotic fungus *Metarhizium robertsii*. *Proceedings of the National Academy of Sciences*, 119(47), e2214513119.
- Durand, A., Maillard, F., Foulon, J., & Chalot, M. (2020). Interactions between Hg and soil microbes: microbial diversity and mechanisms, with an emphasis on fungal processes. *Applied Microbiology and Biotechnology*, 104, 9855-9876.

- Jacob, J. M., Karthik, C., Saratale, R. G., Kumar, S. S., Prabakar, D., Kadirvelu, K., & Pugazhendhi, A. (2018). Biological approaches to tackle heavy metal pollution: a survey of literature. *Journal of environmental management*, 217, 56-70.
- Kumar V, Saxena G (2020) Microbe-assisted phytoremediation of environmental pollutants: recent advances and challenges. CRC, Boca Raton, FL.