

Prof. Horia BANCIU

Tematica:

1. *Metode pentru identificarea și analiza diversității genomului uman (cu particularități ale studiului probelor de proveniență arheologică). / Methods for identifying and analyzing human genome diversity (with specific considerations for the study of archaeological samples);*
2. *Creșterea performanței plantelor și a valorii lor prin optimizarea microbiomului radicular și acumularea de oligoelemente / Enhancing plant performance and value through optimization of the root microbiome and accumulation of trace elements.*

Bibliografie tematica 1/ Reference list for topic 1:

1. Jobling, M., Hollox, E., Kivisild, T., & Tyler-Smith, C. (2013). Human Evolutionary Genetics (2nd ed.). Garland Science. <https://doi.org/10.1201/9781317952268>.
2. Stoneking, M. (2016). An introduction to molecular anthropology. John Wiley & Sons.

Bibliografie tematica 2/ Reference list for topic 2:

1. Checcucci, Alice, and Marta Marchetti. The rhizosphere talk show: The rhizobia on stage. *Frontiers in Agronomy* 2 (2020): 591494. <https://doi.org/10.3389/fagro.2020.591494>
2. Jain, Devendra, Ramandeep Kour, Ali Asger Bhojiya, Ram Hari Meena, Abhijeet Singh, Santosh Ranjan Mohanty, Deepak Rajpurohit, and Kapil Dev Ameta. Zinc tolerant plant growth promoting bacteria alleviates phytotoxic effects of zinc on maize through zinc immobilization. *Scientific reports* 10, no. 1 (2020): 13865. <https://doi.org/10.1038/s41598-020-70846-w>
3. Zhang, Yong, Shangjun Zhao, Sijia Liu, Jing Peng, Hanchao Zhang, Qiming Zhao, Luqing Zheng et al. "Enhancing the phytoremediation of heavy metals by combining hyperaccumulator and heavy metal-resistant plant growth-promoting bacteria. *Frontiers in Plant Science* 13 (2022): 912350. <https://doi.org/10.3389/fpls.2022.912350>

Data: 07.05.2025

Conducător doctorat Prof. univ. dr. Habil Horia Banciu