

Marta Jaskulak, PhD is currently an assistant professor at the Medical University of Gdańsk, Poland, Department of Immunobiology and Environmental Microbiology. She finished her doctoral degree at the University of Lille and Czestochowa University of Technology, Poland, funded by the Eiffel program of excellence and with support from the French embassy in Warsaw and the National Science Centre, Poland. She is currently a principal investigator of two projects carried out between French and Polish institutions. First one, entitled: "Analysis of transcriptomic and physiological changes in leaves of *Brassica napus* L. after the exposure to heavy metals, with particular emphasis on the application of sewage sludge on degraded soils" - funded by the National Science Centre, Poland (2018/31/N/NZ9/01742). The second project is carried out under the PHC POLONIUM initiative entitled: "Sewage sludge as agricultural fertilizer – green opportunity or a hidden threat? Study on the potential spread of antibiotic resistance through long-term soil supplementation with sewage sludge" - funded by National Agency for Academic Exchange (Narodowa Agencja Wymiany Akademickiej - NAWA) and in France by the Ministries of Europe and Foreign Affairs (MEAE) and of Higher Education, Research and Innovation (MESRI). Her main research interests include soil contamination and its influence on plants. Other research areas include waste management, specifically sewage sludge management, bioremediation, and phytoremediation.