



Geraldine Maynaud
Postdoctoral Researcher

geraldine.maynaud@supagro.inra.fr

INRA, UR 050, Laboratoire de Biotechnologie de l'Environnement (LBE)

Avenue des Etangs, 11100 Narbonne, France

Tel. : +33 (0)4 68 42 51 94

Fax : +33 (0)4 68 42 51 60

http://www6.montpellier.inra.fr/narbonne_eng/

Expertise

Geraldine Maynaud obtained a PhD degree in Microbiology and Parasitology (2012) of the University of Sciences in Montpellier, France. She worked on metal resistant bacteria isolated from mining soils and associated with legumes in order to establish bioremediation or phytoremediation strategies to reduce mine impacts. In 2014, she joined the "Microbial Diversity" team of the Laboratory of Environmental Biotechnology (INRA, Narbonne) as postdoctoral researcher for 2 years. Her research focuses on the impact of microflora and organic matter biodegradability on the survival of pathogens into digestates after anaerobic digestion.

Key papers related to the COST action

Maynaud G, Brunel B, Yashiro E, Mergeay M., Cleyet-Marel JC, Le Quéré A. (in press). CadA of *Mesorhizobium metallidurans* isolated from a zinc-rich mining soil is a PIB-2-type ATPase involved in cadmium and zinc resistance. *Research in Microbiology*. 10.1016/j.resmic.2014.02.001

Maynaud G, Brunel B, Mornico D, Durot M, Severac D, Dubois E, Navarro E, Cleyet-Marel JC, Le Quéré A. (2013). Genome-wide transcriptional responses of two metal-tolerant symbiotic *Mesorhizobium* isolates to zinc and cadmium exposure. *BMC Genomics*, 14:292. doi: 10.1186/1471-2164-14-292.

Maynaud G, Willems A, Soussou S, Vidal C, Mauré L, Moulin L, Cleyet-Marel JC, Brunel B. (2012). Molecular and phenotypic characterization of strains nodulating *Anthyllis vulneraria* in mine tailings, and proposal of *Aminobacter anthyllidis* sp. nov., the first definition of *Aminobacter* as legume-nodulating bacteria. *Systematic and Applied Microbiology*, 35(2):65-72. doi: 10.1016/j.syapm.2011.11.002.