

We are seeking a candidate for a postdoctoral research associate position in soil microbial ecotoxicology. The successful candidate will be part of the EPURSOL project funded by the National Agency for Research (ANR). This project aims at monitoring the efficiency and side effects of novel bioaugmentation technologies for the remediation of pesticides from agricultural soils.

The successful applicant will join the Agroécologie Joint Research Unit (INRAE, Institut Agro, UB and UBFC), a multidisciplinary research unit of ~325 people, that develop researches with the aim to design innovative and environment-friendly agroecosystems. Within the Agroécologie JRU, the overall objective of the recruiting research team is to better understand the ecology and evolution of microbial guilds involved in key functions underpinning agroecosystem services, and to monitor and evaluate the impact of agroecosystem management strategies on soil microbial communities and related soil functions.

The person recruited will be in charge of: i) screening the biodegradation activities of selected bacterial strains/consortia; ii) set-up and conduct a soil microcosm experiment assessing the performances of the pesticide-degrading biocomposites and estimate potential side-effects on microbial communities; and iii) participate to the design of an *in situ*, scaled-up bioremediation pilot experiment.

Applicants' profile:

- Applicants should have a Ph.D. degree in one or more of: microbial ecotoxicology or microbial ecology.
- Applicants must have strong skills in experimental protocols and analytical techniques used in microbial ecology (16S rDNA amplicon sequencing, whole-genome sequencing, QPCR). Strong numerical and bioinformatic skills are required. Experience in radiorespirometry techniques will be an added advantage.
- An ability to write autonomously high-quality research manuscripts, strong collaborative and communication skills in English or French are required.

The position is open for 24 months. The appointee will be hired through fixed-term contracts in accordance with French legislation. Monthly stipend will be approximately ~ 2000€ before tax. The expected starting date is between September and October 1st 2022.

To Apply: Applicants should send a detailed curriculum vitae, a letter of intent explaining their motivations for the position, and contact details of at least two references. Send your queries/applications to: ayme.spor@inrae.fr and marion.devers@inrae.fr