

**Recrutement prévu dans le cadre du contrat recherche
ANR-ECOPOLIS project**

Job title	Post-doc in phytomanagement H/F (ANR-ECOPOLIS project)
Ref	OffreEmploi_2022.05_Post doc_ANR ECOPOLIS project
Job type (PhD, Post-doc, Engineer)	Post-doc
Contract duration (months)	18 months
Salary	1800-2000 € net salary
Qualifications (Master degree, PhD...)	Ph-D in microbiology / plant biology / plant physiology / ecological engineering
Job hours (full time/ part time)	Full time
Employer	UBFC – Université Bourgogne Franche-Comté
Host Laboratory	Laboratory Chrono-environnement
URL Host Laboratory	https://chrono-environnement.univ-fcomte.fr/?lang=en
Address Host Laboratory	Université de Bourgogne Franche-Comté UMR 6249 Laboratoire Chrono-environnement Pôle Universitaire du Pays de Montbéliard 4 place Tharradin 25 211 MONTBELIARD - France
Job description	<p>The postdoctoral project will be part of the ECOPOLIS transdisciplinary research consortium (2021-2024). This collaborative project involves several partner laboratories and proposes the implementation of Nature-Based Solutions (NBS) at an industrial wasteland for stabilization and / or removal of mixed contaminants from polluted soils, sediments and (ground)water. The project also foresees the implementation of a living lab. The key elements of the proposed post-doc position are:</p> <ul style="list-style-type: none"> • Identification and selection of key players (plant, microorganisms and/or genes) to set up NBS • Characterization of the selected resources and pathways. • Design and enhancement of defined microbial consortia to improve natural pathways and activities. • Application of strategies for artificial consortia microaggregation and structuring. • Genetic engineering tools for optimizing plant and microbial performances. • Application of improved biosystems for remediation of different pollutant mixtures, matrices and environments. • Participation to the set-up of the living-lab and its related activities (communication, dissemination)

Supervisor(s)	CHALOT Michel michel.chalot@univ-fcomte.fr
Candidate profile	<p>The following skills are required:</p> <p>1) Molecular biology / biochemistry / microbiology /ecological engineering : Candidates should possess a degree in biology, microbiology, environmental sciences, together with at least 3-4 years job-related experience (inc. Ph-D) on soil microbiology, microbial surveys, microbial and plant physiology with the use of molecular approaches, phytoremediation</p> <p>2) Communication / dissemination : Candidates are expected i) to lead and contribute to scientific publications, policy briefs and technical reports that require clear, well-structured texts. In this case, a high level of written and oral English is required; ii) to organize, plan and lead scientific meetings with European partners (held in English)</p>
Keywords	Nature-based solutions, microbial consortia, molecular screening , living lab, genetic engineering, microbial resources, phytomanagement
Application deadline	30/09/2022
Starting Job	01/11/2022
Application Depending on the type of position	<p>Post-doc position</p> <p>Please send the following documents (all in one PDF file) by e-mail to michel.chalot@univ-fcomte.fr:</p> <p>1) For EU candidates: Copy of your national ID card or of your passport page where your photo is printed. For non-EU candidates: Copy of your passport page where your photo is printed.</p> <p>2) Curriculum Vitae (may include hyperlinks to your ResearchID, Research Gate Google Scholar accounts).</p> <p>3) Detailed list of publications (may include hyperlinks to DOI of publications).</p> <p>4) Letter of motivation relatively to the position (Cover Letter) in which applicants describe themselves and their contributions to previous research projects (maximum 2 pages)</p> <p>5) Copy of your PhD degree if already available.</p> <p>6) Coordinates of reference persons (maximum 3, at least your master thesis supervisor): Title, Name, organization, e-mail.</p> <p>If you have questions regarding the application, please contact the supervisors.</p>