

**Recrutement prévu dans le cadre du contrat recherche  
HORIZON-PHYBI**

<b>Job title</b>	<b>Post-doc in phytomanagement (EU HORIZON project PHYBI)</b>
<b>Ref</b>	offreEmploi_2024.05.Postdoc_projet HORIZON PHYBI
<b>Job type (PhD, Post-doc, Engineer)</b>	<b>Post-doc</b>
<b>Contract duration (months)</b>	12 months (renewable for a similar period)
<b>Salary</b>	2000-2200 € net salary
<b>Qualifications (Master degree, PhD...)</b>	Ph-D in microbiology / plant biology / ecological engineering
<b>Job hours (full time/ part time)</b>	Full time
<b>Employer</b>	UBFC – Université Bourgogne Franche-Comté
<b>Host Laboratory</b>	Laboratory Chrono-environnement
<b>URL Host Laboratory</b>	<a href="https://chrono-environnement.univ-fcomte.fr/?lang=en">https://chrono-environnement.univ-fcomte.fr/?lang=en</a>
<b>Address Host Laboratory</b>	Université de Bourgogne Franche-Comté UMR 6249 Laboratoire Chrono-environnement Pôle Universitaire du Pays de Montbéliard 4 place Tharradin, 25 211 MONTBELIARD
<b>Job description</b>	<p>The postdoctoral project will be part of a transdisciplinary research consortium (2024-2028). The concept of the project will focus its efforts across different levels of development (1) test, optimisation and validation of 4 phytomanagement case studies, (2) optimisation of biomass fractionation into lignocellulosic components based on organosolv techniques, and (3) characterisation and application of lignocellulosic fractions to create a well-planned market route for the potential end-applications in the textile industry. The key elements of the proposed post-doc position are:</p> <ul style="list-style-type: none"> <li>• Investigation and monitoring of long-term existing phytomanagement trial sites as well as investigation of new candidate sites</li> </ul>

	<ul style="list-style-type: none"> <li>• Optimisation of phytomanagement strategies, based on lessons learnt and focusing on application of bacteria, endophytic fungi and mycorrhiza to improve plant health and soil remediation and Digital tools such as Genome-Scale Metabolic (GEM) models for evaluation and improvement of plant/microbe interactions</li> <li>• Application of organic and inorganic amendments.</li> </ul>
<b>Supervisor(s)</b>	CHALOT Michel michel.chalot@univ-fcomte.fr
<b>Candidate profile</b>	<p>The following skills are required:</p> <p>1) Molecular biology / biochemistry / microbiology : Candidates should possess a degree in biology, microbiology, environmental sciences, together with at least 2-3 year job-related experience (inc. Ph-D) on ecological engineering (phytomanagement), soil microbiology, microbial and plant physiology with the use of molecular approaches</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>
<b>Keywords</b>	microbial consortia, ecological engineering, microbial resources, phytomanagement,
<b>Application deadline</b>	31/05/2024
<b>Starting Job</b>	01/10/2024
<b>Application</b> <i>Depending on the type of position</i>	<p><b>Post-doc position</b></p> <p><i>Please send the following documents (all in one PDF file) by e-mail to <a href="mailto:michel.chalot@univ-fcomte.fr">michel.chalot@univ-fcomte.fr</a>:</i></p> <p><i>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.</i></p> <p><i>2) Curriculum Vitae (may include hyperlinks to your ResearchID, Research Gate Google Scholar accounts).</i></p> <p><i>3) Detailed list of publications (may include hyperlinks to DOI of publications).</i></p> <p><i>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)</i></p>



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*5) Copy of your PhD degree if already available.*

*6) Coordinates of reference persons (maximum 3, at least your master thesis supervisor): Title, Name, organization, e-mail.*

*If you have questions regarding the application, please contact the supervisors.*