

## Postdoc Position at the University of Granada, Department of Microbiology within RadoNorm Project

The department of Microbiology in the Faculty of Sciences in the University of Granada is looking for a Postdoc candidate to conduct research work related to the “impact of microbial processes occurring at the interface soil/rhizosphere/plant in the mobility and transfer of uranium from soil to plants”: The main tasks include:

- Investigation of microbial diversity in soil collected from pristine and uranium contaminated sites.
- Microscopic and spectroscopic characterization of uranium speciation in soil, plants and microbes
- Publication of results in international journals and at conferences
- Elaboration of scientific reports and dissemination of results in project meetings

The position is part of a European project RadoNorm “Towards effective radiation protection based on improved scientific evidence and social considerations - focus on radon and NORM”(www.radonorm.eu). Therefore, a multidisciplinary approach combining microbiology, microscopy, spectroscopy, and radioecology will be used.

The research work will be **mainly** conducted at the Department of Microbiology, University of Granada under the supervision of Dr. Merroun Mohamed and some work will be also performed at the CEA/Cadarache, France under the guidance of Dr. Chapon Virginie.

### Offer Requirements

-Required Education Level:

PhD in Biology or in related knowledge areas

MSc in Biotechnology, Microbiology or in related knowledge areas

-Required Languages: Good English

### Specific Requirements

- Postdoctoral researchers, who received their PhD degree not longer than five years before their application.

-Postdoctoral experience abroad

-Experience in microbial interactions with metals, radionuclides and nanomaterials studies

-Experience in spectroscopic (XPS, EXAFS/XANES, XRD, Raman etc.) characterization of metal/geological/biological samples

-Experience in microscopic (STEM/HAADF, HRTEM/EDX, FESEM/EDX, confocal microscopy) analysis of metal/geological/biological samples

-Experience in anaerobic microbiology field (handling and cultivation of anaerobic microorganisms)

-Experience in microbial diversity studies using molecular methods

-Personal commitment, ability to work in a team, good experimental skills

-The willingness to handle radioactive samples is required

-Very good English language skills

- Readiness to participate in activities of an EU-funded project such as participation in project courses and meetings are mandatory requirements.
- Willingness to work for an extended research stay in other institution (CEA Cadarache, France, etc.)

### **Characteristics of the position**

- The planned start date is: December 2021
- Gross Salary: 37.500,00 € per year
- Position duration: 2 years
- Place of the work: Department of Microbiology, Faculty of Sciences, University of Granada, Granada, Spain

### **Eligibility criteria**

Eligibility will be based on the qualifications and CV of the applicant and on the demonstrated experience in relation to the tasks related to the position. In addition, Postdoctoral researchers, who received their PhD degree not longer than five years before their application and good English skills are required.

### **Application**

Applications to be submitted by email to: Mohamed L. Merroun, merroun@ugr.es  
Closing date is October 15<sup>th</sup> 2021.

Your application must be accompanied by the following documents:

- Motivation letter
- Academic CV including list of publications
- Contact details of 2 referees

### **Selection process**

Dr. Merroun Mohamed L. (Granada University) and Dr. Virginie Chapon (CEA Cadarache, France) will examine the CV and motivation letter of the candidates in 2 steps.

First step: evaluation of the following documents:

- 1) Motivation letter
- 2) CV, including publication list with impact factor and citation record

Second step: Interview of pre-selected candidates (using the Granada University application job portal, <https://investigacion.ugr.es/recursos-humanos/personal/solicitud>)

### **Further information:**

Dr. Mohamed L. Merroun  
Department of Microbiology  
University of Granada  
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