

## **Department Biosciences and Territory**

### **Position:**

Selection procedure for n. 1 position as fixed term RESEARCH ASSOCIATE TYPE A according to art. 24 comma 3 of Law 240/2010, within the Area 05 LIFE SCIENCES, Macrosector 05/A PLANT BIOLOGY, Examination sector 05/A1 BOTANY, Scientific Disciplinary Sector (SSD) BIO/01 GENERAL BOTANY.

### **Specific activities that shall be carried out by the candidate and type of teaching and research requirements:**

Teaching activity, theoretical and practical, will be related to basic and advanced courses of the SSD BIO/01 GENERAL BOTANY, for the degrees of Biology and other related degrees, and for the Biology and Applied Sciences PhD program.

The candidate will have to carry out research activities related to SSD BIO/01 GENERAL BOTANY, and will be mainly focused on the use of advanced and integrated approaches to study the rhizosphere and the mechanisms involved in plant abiotic stresses response. In detail, the Researchers will study the plant-soil-bacteria interactions, in field and controlled conditions, by using traditional, "omics" and innovative machine/deep learning based approaches.

### **Objectives of scientific production:**

At the least three publications in peer review journals.

**Maximum number of publications that the candidate can submit:** 12.

**Place of business:** Department of Bioscience and Territory of the University of Molise - Pesche (Isernia).

**Foreign language of which he is required to speak:** English.

**Means by which researcher's productivity and results will be evaluated:** Annual report on teaching and research activities.