

Department of Agricultural, Environmental and Food Sciences - University of Molise

Profile:

One fixed term researcher position [as art. 24, comma 3, letter a) of the Law 240/2010 and subsequent amendments and additions] with duration of 3 years and a full-time appointment for the Disciplinary Scientific Sector AGR/12 – Plant Pathology, competition sector 07/D1, Plant Pathology and Entomology.

According to the D.D. n.407, 27th February 2018, the candidate for the above mentioned position (regarding line 2.1 as in the above cited D.D. 407 and specifically pertaining participation in the technical-scientific management of research programs and/or projects) must have obtained the PhD title not earlier than 8 years before 27th February 2018. Furthermore, at the date 27th February 2018, the candidate must be working by at least 2 years at universities/research institutions/companies abroad or that are outside the Italian regions included as objectives in PON R & I 2014-2020.

Place of activities: Department of Agricultural, Environmental and Food Sciences – University of Molise, 86100 – Campobasso ITALY. According to the D.D. n.407, 27th February 2018, the activities may also be performed, for a period of 6 to 15 months of further work experience, at one or more Italian public institutions (wherever located in Italy) or in Europe, focusing on participation in technical-scientific activities on research projects/programs, or on the management of procedures relating to the preparation, organization, monitoring and evaluation phases of research programs/projects.

Department where the selected candidate will be employed: Department of Agricultural, Environmental and Food Sciences – University of Molise.

Specific functions that the researcher must carry out (type of teaching and scientific commitment) Scientific productivity objectives (publications, national and international conferences) and qualitative characteristics of the scientific production:

the candidate must set and pursue highly qualified research objectives aiming at publications in high ranking international scientific journals, in order to give a significant contribution for the VQR evaluations of the Department of Agricultural, Environmental and Food Sciences. The research activity must be carried out in Plant pathology, with particular reference to Postharvest plant pathology, Prevention of contamination of agrifood productions with Mycotoxins, Biocontrol of plant pathogens. In particular, the research activity will focus on the study of basidiomycete yeast biocontrol agents through a molecular genetics and bioinformatics approach, aiming i) to identifying genes involved in biocontrol activity both in the field and in postharvest against phytopathogenic and mycotoxigenic fungi and, ii) at the prevention and detoxification of mycotoxin contamination.

Program of teaching activities and service to students:

the candidate should be able to carry out teaching activities, including supplementary teaching activities and mentoring to undergraduate students of first cycle degree courses of Agricultural and Forestry Science and Technologies, Food Science and Technology and to students of second cycle degree courses of Agricultural Science and Technology, Food Science and Technology, Forest Science and Mountain Landscapes at the University of Molise. Such activities will pertain Plant pathology and, more specifically, Postharvest plant pathology, Mycotoxins in agrifood productions, Biocontrol of plant pathogens, Biotechnological and Molecular-based applications for protection from plant diseases and Bioinformatics.

The main teaching activity and laboratory practical work for students will be assigned to the researcher by the Department of Agricultural, Environmental and Food Sciences.

Foreign language skills required: English language.

Maximum number of publications presentable by the candidates:

12 publications recorded in international database (Scopus and/or ISI).

Evaluation modalities of the researcher which will be held, periodically and at the end of the contract, to report the results of the work carried out:

Report on the research and teaching activities.