

## **Department of Agricultural, Environmental and Food Sciences**

**- Position:**

n. 1 researcher pursuant to art. 24, paragraph 3, letter b) of the law n. 240/2010, for the competition Sector 07/E1 CHIMICA AGRARIA, GENETICA AGRARIA E PEDOLOGIA. S.S.D. AGR/14 PEDOLOGIA.

**- Program of teaching activity, service to students and research activity:**

The researcher will carry out fundamental and integrative teaching activity within the undergraduate, master and doctorate courses at the Department of Agricultural, Environmental and Food Sciences. The frontal teaching activity and laboratory exercises will be assigned to the researcher from the Department.

The researcher must have competences to carry out teachings in the AGR/14, sector Pedology, and Soil Science.

**- Objectives of scientific productivity (publications, congress, and other products) and the quality of scientific production:**

The candidate must reach research objectives of high international profile, producing publications on international widespread journals, allowing himself to provide significant scientific improvement to the S.S.D. AGR/14 and to evaluation of VQR (the Ministerial Research Evaluation Quality). The research must be carried out within the SSD AGR/14 (Pedology) in soil chemistry and mineralogy. The focus will be the characterization of spatial distribution of soil properties by using NIR spectroscopy in order to assess the spatial variability, soil genesis, and evolution of soil organic matter.

**- Place of the service activity: Campobasso - Department of Agricultural, Environmental and Food Sciences.**

**- Additional requirements for admission to the selection process with respect to those required under art.5 of the competition Regulation: none.**

**- Maximum number of publications to be presented: 15 (fifteen).**

**- Foreign language of which knowledge is required: English.**

**- Periodic and final reporting mode of the achieved work results the researcher is required to submit: Annual report of the teaching and research activities, current research projects and expected results in terms of publications in international journals.**