

DEPARTMENT OF AGRICULTURAL, ENVIRONMENTAL AND FOOD SCIENCES -  
UNIVERSITY OF MOLISE

**n. 1 researcher letter a) pursuant to art. 24 of the law n. 240/2010**

<b>Funding:</b>	Research Project PRIN 2017 (n. 2017M83XFJ) “Influence of Agro-climatic conditions on the microbiome and genetic expression of grapevines for the production of red wines: a multidisciplinary approach (ADAPT)”
<b>Place of activities:</b>	Department of Agricultural, Environmental and Food Sciences – University of Molise, 86100 – Campobasso ITALY.
<b>Competition Sector:</b>	07/I1 “Agrarian Microbiology” Scientific Disciplinary Sector (SSD) AGR/16 “Agrarian Microbiology”

**Specific functions of the researcher**

<b>Scientific activity:</b>	<p>As reported by the declaration of the sector SSD AGR/16 and considering the specifications of the ADAPT project, the research activities of the researcher will be focused on the food microbiology, with particular regard to the following topics:</p> <ul style="list-style-type: none"><li>- study of microbial ecology of food matrices and its diversity in relation to origin and environmental factors;</li><li>- effect of environmental stresses and process factors on food microbiota, with particular reference to red grapes, through the application of genomic, proteomic, bio-informatic and statistical approaches;</li><li>- effect of climatic factors on genetic regulation and enzymatic expression of microbiota.</li></ul>
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**Program of teaching activities and service to students:**

The candidate shall be able to carry out teaching activities, including supplementary teaching activities and mentoring for undergraduate students of both first and second cycle degree courses in Food Science and Technology at the University of Molise. Such activities will pertain the Food Microbiology and, more specifically, the Predictive Microbiology.

**Scientific productivity**

The candidate must set and pursue highly qualified research objectives aiming at the publication in high ranking international scientific journals of at least 5 scientific reports.

**Foreign language skills required:**

English language.

**Maximum number of publications presentable by candidates:**

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