# Doctoral Programme in Sustainable Management of Agricultural, Forestry and Food Resources

**Director prof. Erminio Monteleone**

**XXXVII cycle – academic year 2021/2022**

<table>
<thead>
<tr>
<th>Technological Area</th>
<th>Administrative Office</th>
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<tbody>
<tr>
<td><strong>Curricula</strong></td>
<td>Department of Agriculture, Food, Environment and Forestry</td>
</tr>
<tr>
<td>1. Wine Economics and Rural Development</td>
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<tr>
<td>2. Forest Economics, Planning and Wood Science</td>
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<tr>
<td>3. Agricultural and Forest Engineering</td>
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<tr>
<td>4. Food Science and Technology</td>
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</tbody>
</table>

## Positions Available: 6

- Positions with Scholarship: 5
- Positions without Scholarship: 1

## Scholarships: 4

- University of Florence

### Ranking List for Positions with Specific Research Topics

**Scholarship Available: 1**

Department of Agriculture, Food, Environment and Forestry (DAGRI) funded partly by PRIN2017 project "WATER mixing in the critical ZONE: observations and predictions under environmental changes - WATZON" (CUP B14I19001840001), partly by IRPI CNR (Istituto di Ricerca per la Protezione Idrogeologica del Consiglio Nazionale delle Ricerche).

**Thematic:** “Water mixing processes in Appennine forested catchments”.

The specific topic focuses on the analysis of hydrological and ecohydrological processes in Appennine forested catchments. The successful candidate will use an integrated methodological approach based on hydrometeorological monitoring, environmental tracers (electrical conductivity and stable isotopes of oxygen and hydrogen) and hydrological modelling to study water exchanges within the different components of the hydrological cycle in the light of current climate change.

### Study/Research Periods Abroad

Mandatory only for positions with scholarship

**Mandatory Period Required**

3 months

### Documents Required for the Admission (under penalty of exclusion)

- Copy of the Identification Document
- Self-declaration for qualifications (bachelor’s/Master’s/combined cycle degree) obtained in Italy with a list of all exams taken and their mark, title of the thesis and graduation mark (download the form [here](#) make sure you fill in all the fields)
- Foreign qualification required to access with a list of all exams taken
and their mark, title of the thesis and graduation mark.

*The same documentation except for the final mark must be submitted by those who will graduate by 31/10/2021*

### DOCUMENTS REQUIRED FOR THE EVALUATION

**MANDATORY**
- Curriculum vitae (European format)
- Research Project

**OPTIONAL**
- List of publications
- Any other scientific qualification document

### REFERENCE LETTERS

A section is provided in the online application to specify the e-mail address of one professor/researcher willing to provide information about candidates training path and activities performed within a scientific field related to the Ph.D. course.

### RESEARCH PROJECT

The research project must refer to one of the research topics of the PhD program ([http://www.phd-gsrafa.dagri.unifi.it/ls-13-curricula.html?newlang=eng](http://www.phd-gsrafa.dagri.unifi.it/ls-13-curricula.html?newlang=eng)). The project can be written in Italian or English and should be organized in the following sections: title, research question and state of the art, aims, materials and methods, expected results, cited references. The project should not exceed 12000 characters including spaces (not including references, tables and figures). The project will not necessarily be the PhD thesis project of the candidate, should he/she be accepted in the program.

### EVALUATION PROCEDURE

- Evaluation of curriculum vitae, research project, publications and other qualification documents
- Interview

As detailed in the section below “Evaluation Marks”.

### OTHER LANGUAGE FOR THE INTERVIEW

English

### INTERVIEW MODE

Remotely (videocall)

### FURTHER INFORMATION

Interview in English or Italian. If in Italian, the English language knowledge is tested during the interview.

### EVALUATION MARKS

<table>
<thead>
<tr>
<th>parameter</th>
<th>minimum score</th>
<th>maximum score</th>
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</thead>
<tbody>
<tr>
<td>Curriculum vitae, publications, other qualification documents</td>
<td>10/120</td>
<td>20/120</td>
</tr>
<tr>
<td>Research Project</td>
<td>30/120</td>
<td>40/120</td>
</tr>
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</table>

Applicants who obtain a mark of at least 40/120 according to the minimum score for each parameter will be admitted to the interview.

Interview: discussion of the research project and qualification documents

| Interviews: discussion of the research project and qualification documents | 40/120 | 60/120 |

Eligibility is achieved with a minimum score of 80/120

### FURTHER INFORMATION

The evaluation of curriculum vitae, research project, publications, scientific...
## ABOUT THE EVALUATION PROCESS

Qualification documents will consider the candidate's preparation and skills in relation to the research topics of the curricula of the PhD programme.

## THEMATICS

Discussion of the research project and of any other academic and scientific titles and publications will aim at evaluating the candidate's interest and motivation towards scientific research in the fields of interest of the PhD curricula.

Further information available at the following web page:

http://www.phd-gsrafa.dagri.unifi.it/ls-12-phd-program.html

## EXAMINATIONS SCHEDULE

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<thead>
<tr>
<th></th>
<th>DATE</th>
<th>TIME</th>
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<tbody>
<tr>
<td>INTERVIEW</td>
<td>September 16&lt;sup&gt;th&lt;/sup&gt; 2021</td>
<td>9:30 a.m.</td>
</tr>
</tbody>
</table>

The list of the candidates admitted to the interview and the final ranking will be published at the following web page: https://www.unifi.it/p12018.html