## PhD programme:

**AGRICULTURE, FOOD AND ENVIRONMENT**

**President:** Prof. Andrea Cavallini

**Department:** Dipartimento di Scienze agrarie, alimentali e agro-ambientali – via del Borghetto, 80 56124 Pisa

**Admission requirements:** All Master’s degrees

**Outcome of the selection procedure:** Ranking of each research project: "Analysis of socio-economic change in agro-food systems and impact of policies"

## PhD Positions Available

<table>
<thead>
<tr>
<th>Positions available</th>
<th>Number</th>
<th>with grants</th>
<th>without grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>3</td>
<td>1</td>
<td></td>
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**Supernumerary positions**

Pursuant to Article 6 of the competition announcement, candidates who are eligible for the competition to be admitted in supernumerary must forward, to the email address concorsodottorato@unipi.it, Annex C after having held the interview but no later than three days thereafter on the date of the latter.

Can also submit admission requests in supernumerary, those eligible who, in possession of the requisites required, contribute to the financial benefits under the bilateral "**Partnership for Knowledge**" program between the Italian Agency for Cooperation development (AICS) limited to Platform 1 "**Rural Development and Land Management**".

**Details:**

1 grant financed by Department of Scienze agrarie, alimentali e agro-ambientali of University of Pisa on subject “Analysis of incentivisation mechanism of agro-environmental and climatic public goods in agriculture”

1 grant financed by University of Pisa on subject “Socio-economic impact of digitisation in agriculture and in rural development”

1 grant financed by University of Pisa on subject “Food systems as drivers of inequality in livelihoods and food and nutrition security” (grant to the memory of Giulio Regeni)

**Selection criteria:**
| **Curriculum** | The curriculum, signed and accompanied by a copy of a valid identification document, must be uploaded **only** during the application process. The curriculum must provide information about the candidate’s academic education as well as his/her professional and research experience. **The candidate must attach any document useful for the assessment of his/her curriculum.** In particular, the candidate must transmit:  
  a) the curriculum vitae;  
  b) any publications;  
  c) Master’s degree thesis. For candidates who have not yet obtained the title, a draft of the thesis;  
  d) list of the exams obtained during the university career with relative marks and mark of bachelor and master degree;  
  e) attendance at conferences;  
  f) any grant.  
  
The candidate who intends to submit to the evaluation of the Selection Board any document related to his/her academic records held at the University of Pisa, must make an explicit request of acquisition “through office” in the aforementioned curriculum.  

**Minimum grade: 15 out of 50** |

| **Interview** | The interview will assess the candidate’s knowledge, her/his aptitude for research, openness to academic experiences in Italy and abroad, and an interest in scientific deepening.  
**Minimum grade: 15 out of 50** |

| **Web conference** | YES  
Candidates who intend to attend the videoconference have to upload the filled form (Attachment D) during online procedure. Requests received after 29 May 2019 will be examined by the examining commission which will evaluate whether to accept them in consideration of the technical times useful for the organization of the videoconference interview.  

| **Guidelines for the presentation of the PhD Research project** | Required: **NO** |

| **INFO:** | Overview and objectives of the PhD course:  
Agriculture in the next decades will have to reduce consistently its... |
environmental impact, improve food quality (first of all its nutritional quality), guarantee a decent income to agricultural producers, contribute to keep rural areas alive, and provide ecosystem services to society. A wide range of emerging new technologies - based on life science, information technologies, renewable energies - are being proposed to contribute to these goals.

The course focuses on "Food Sustainability", and can be ascribed to the EC "Food 2030" strategy. It is an interdisciplinary program (LS9, LS2, SH1, SH3) combining agricultural sciences with a selected range of biological disciplines to train researchers (also through Agreements with external bodies such as FAO, CNR, companies) in the agricultural, agri-food and agri-environmental sciences, with an up-to-date, excellent disciplinary ground on the biological and social basis of food sustainability, on the sustainability of production systems and on food quality and safety, with in-depth knowledge of systemic implications of each specific sector of activity.

The main research topics are: multifunctional agriculture and food security; plant, animal and microbial biotechnology; ecology, physiology, genomics, proteomics and metabolomics; sustainable food technologies; plant and animal production systems, even in urban environments; technologies for the protection of plants and soil and the environmental remediation.

Website: