### Academic Year 2017/2018

**PhD programme:** AGRICULTURE, FOOD AND ENVIRONMENT  

**President:** Prof. Andrea Cavallini  
**Department:** Department of Agriculture, Food and Environment - Via del Borghetto, 80 56124 Pisa  
**Admission requirements:** Any Master’s degree  
**Outcome of the selection procedure:** Ranking of candidates for the whole PhD programme  

<table>
<thead>
<tr>
<th>PhD Positions Available</th>
<th>9 positions available of which:</th>
<th>6 with grant</th>
<th>1 with grant reserved to students who have graduated from a foreign university</th>
<th>2 without grant</th>
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**Details:**  
- 6 grants financed by University of Pisa  
- 1 grant financed by University of Pisa reserved to students who have graduated from foreign universities  

**Selection criteria:**  
**Curriculum**  
The curriculum, signed and accompanied by a copy of a valid identification document, shall be uploaded **only** during the application process. The curriculum must provide information about the candidate’s academic qualifications as well as his/her professional and research experience. **The candidate shall attach all the documents 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.  

**Minimum grade:** 15 out of 50  
The list of candidates admitted to hold the interview shall be published at [http://dottorato.unipi.it/](http://dottorato.unipi.it/) “Admissions” at least five days before the interview.
**Interview**

The interview will assess the candidate’s knowledge, her/his aptitude for research, openness to academic experiences in Italy and abroad and interest in scientific deepening.

**Date 6th September 2018**
**Time: 9.00 a.m.** (Italian Time) with the possible prolongation to the following day/s (excluding Saturdays and/or Sundays).

**All candidates shall be present on the first day of the meetings to ascertain the interview schedule** (except for the video conference interview).

**Venue:** Department of Agriculture, Food and Environment, via del Borghetto 80, Pisa

**Minimum grade: 30 out of 50**

**Webconference:** YES

Candidates who choose the videoconference will have to send the filled out form (Attachment D) to concorsodottorato@unipi.it **within the deadline of the announcement.** It is also mandatory to send the letter (Attachment D1) duly signed by the Rector of a University, or by the Director of a Department, or by the Responsible of an official Institution (e.g. Embassy, Consulate). In particular, the letter must contain the name of a professor or public official who will be present during the interview, thus ensuring its regularity.

**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:**