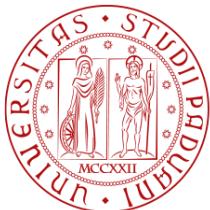
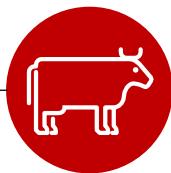


# PhD Course in Animal and Food Science

<https://www.phdanimalfoodscience.org/>



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

IBA MAPS

UNIVERSITÀ DEGLI STUDI DI PADOVA  
**DAFNAE**  
Department of Agronomy Food Natural  
resources Animals and Environment



# Overview



**Coordinator:**  
Angela Trocino



**Vice-coordinator:**  
Sara Pegolo

## PhD Council

34 Italian researchers and professors  
5 Foreign researchers and professors

**PhD students:** 38 (11 for Cycle 39  
+ 11 for Cycle 40 + 9 for Cycle 41)

**PhD representatives:** 6 students





# Overview

The Ph.D. course in Animal and Food Science trains students to solve complex problems in animal and food production, manipulating processes and using advanced technologies.

Students choose their field and project under the supervision of one or more professors and within a wide range of research opportunities, whose objectives are consistent with the European Green Deal and the Farm2Fork strategy.





# Research area: ANIMAL SCIENCE

...aimed at discovering and disseminating new knowledge to improve production processes, quality of food and sustainability of animal farming.

**Research topics:** Biostatistics and modelling for selection and crossbreeding of domestic animal populations; Biotechnologies applied to genetic improvement; Biodiversity protection, traceability of products; Animal feeding and nutrition, economic and environmental sustainability of animal production systems; Ethology and welfare of livestock; Sustainable animal production systems; Milk quality, cheese-making, and cheese quality; Meat quality and nutritional value, high quality and high price processed meat and sausage; Quality of products of animal origin.





## Research area: FOOD SCIENCE

...consistent with the national and European priorities in Food Technology and Biotechnology and with great attention to the global impacts on environmental protection, production sustainability, increased value of by-products, and consumer perception.

**Research topics:** Food quality and technology; Optimization of food manufacturing; Novel and functional food; Food industry by-products; Food enzymology; Biochemistry of food processing; Food sensory quality; Meal preparation and distribution; Food safety and food service; Wine, alcoholic beverages, and distillates technology and quality.





# Research area: AGRICULTURAL CHEMISTRY

...aimed at enhancing and protecting agrobiodiversity as well as guaranteeing the quality and the safety of agro-food production and promoting sustainable rural environments.

**Research topics:** Conservation, improvement, and restoration of soil fertility; Use and recycling of biomass; Accumulation, mobilization, and absorption of endogenous and exogenous chemical species; Structure, function, expression, and regulation of genes and genomes; Plant adaptation to abiotic stress at molecular level; Heredity in prokaryotic and eukaryotic organisms of agricultural interest; Genetic improvement of species of agricultural and forestry interest; Soil systems; Biostimulants for agriculture.





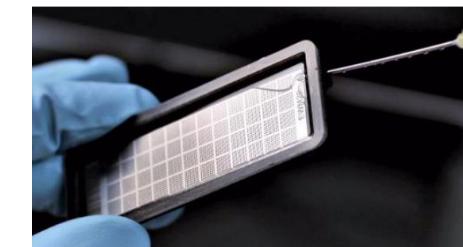
# PhD in Animal and Food Science (*three I*)

**International:** international students, co-tutelage, MSCA

COFUND doctoral program, DN Horizon, EU H2020 and international research projects, international teaching and research activities (incoming, outgoing), wide net of international collaborations for PhD secondments

**Intersectorial:** topics addressed to digitalization and stakeholders (Industria 4.0), wide net of national international collaborations with private companies and research centres within shared and cofunded PhD projects, patents

**Interdisciplinary:** Big data, methods and applications





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Ph.D. ANIMAL  
COURSE & FOOD  
SCIENCE  
UNIVERSITY OF PADOVA



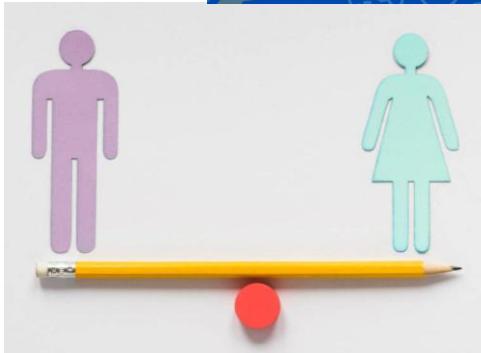
# Accreditation confirmed



Ministero dell'Istruzione  
Ministero dell'Università e della Ricerca



Year 2025  
Cycle 41



Consistent with PNRR

Gender balance  
of the PhD Faculty





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# A shared result



Fun, Honours, and Duties...

Workshops and projects

The Teaching Offer

**Ph.D. ANIMAL  
COURSE & FOOD SCIENCE**  
UNIVERSITY OF PADOVA

  
**Crop<sup>science</sup><sub>hD</sub>**

  
**LERH**  
Land Environment Resources and Health  
PhD Program

  
**VetSci**  
Doctoral Course in  
Veterinary  
Science



# We did it together

- Industrial PhD (PNRR) workshop: Sala Agricoltura, Corte benedettina, Legnaro (12/12/2025)



- Project for PhD Internationalization funded by CARIPARO (2025-2027):
  - Financial contribution for secondments abroad
  - International PhD workshop for promoting co-tutelage agreements and PhD mobility (IN and OUT) (26-27/02/2026)





# Welcome!

*You are the key of the  
success of our PhD Courses*



Aula Magna, Bo Palace  
Diploma ceremony