



TABLE 5 – PhD Programme in FOOD SCIENCE

THE PHD PROGRAMME	
Administrative location	University of Udine - Department of Agricultural, Food, Environmental and Animal Sciences (DI4A) – via delle Scienze n. 206, 33100 Udine, ITALY (tel. +39 0432 558600)
Partner institution	-
Location for training, teaching and research activity	Teaching and other training activities will take place primarily at the location of the administrative programme or in other locations of the University of Udine. The research programme will be carried out, with reference to the scholarship (see art. 10 and 13 of the Call) and/or to the supervisor assigned, at one of these locations: administrative location, partner location, financial supporter location (if the financial supporter is an external institution).
Coordinator	prof. Walter Baratta (walter.baratta@uniud.it)
Programme duration	3 years
Curricula	-
Research Topics	<ul style="list-style-type: none">- Chemical, physical, microbiological, nutritional and sensory aspects of foods- Innovative technological approaches to ensure safety, improve quality and extend the shelf-life of foods- Strategies to improve the nutritional and technological functions of ingredients and foods- Development of innovative foods and processes- Relationship between the structure of foods and their sensorial, nutritional and technological performances- Relationship between diet and health- Monitoring, prevention and reduction of biological, chemical and physical contamination- Optimization and study of microbial fermentations for food and beverage production- Relationships/interactions between food microbiota and human microbiota/microbiome- Genetic and physiological characterization of microbial strains relevant for food- Development and validation of innovative methods and tools (analytical devices, sensors and green biosensors) to define food quality, traceability and safety- Development of rapid methods for in situ analysis and monitoring of biological processes in food- Development of eco-sustainable packaging- Improving sustainability in the food sector- Use of waste from the agri-food chain for the production of food / ingredients / bioactive molecules / packaging materials- Reduction of the environmental impact, of the emission of polluting substances and energy saving in the food sector.
Research programmes	The research programmes, if not already defined by funding organizations or specific funding lines (see “Available places and assessment procedures”, art. 3 p. 5 of the Call), are determined by the Board of Professors within the doctoral programme Research topics.
Programme website	https://www.uniud.it/en/research/do-research/doctorate-res/our-ph-d-programmes/area-life-science/scienze-degli-alimenti/ph-d-programme/scienze-degli-alimenti?set_language=en
ADMISSION REQUIREMENTS	
Required degree	Italian Laurea (before DM 509/99) or Italian Laurea Specialistica/Magistrale (ex DM 509/1999 and DM 270/04) or equivalent degree obtained abroad.
Knowledge of the foreign languages	Foreign degrees and diplomas: refer to art. 4 of the Call. English
SELECTION COMMITTEE	
Regular members	Marilena Marino – associate professor – University of Udine Andrea Venerando – associate professor – University of Udine Lara Manzocco – full professor – University of Udine
Substitute members	Sonia Calligaris – associate professor – University of Udine Nicoletta Pellegrini – full professor – University of Udine Piergiorgio Comuzzo – associate professor – University of Udine



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ADMISSION			
Selection process			
Evaluation of qualifications and documents; oral exam.			
<p>The evaluation aims to assess the candidates' ability to conduct scientific research and their basic preparation for the doctoral programme.</p> <p>The Selection Committee can attribute up to 100 points to each applicant: max 30 points to the documents and max 70 points to the oral exam.</p> <p>Candidates who score at least 21/30 points in the evaluation of qualifications and documents are admitted to the oral exam.</p> <p>Candidates must attain a score of at least 49/70 points on the oral exam to be eligible.</p> <p>For eligible candidates only, the score from the evaluation of documents is added to the score obtained in the oral exam.</p>			
Language that can be used for exam		Italian or English.	
Oral exam		<p>The oral examination is held in person.</p> <p>The oral exam will cover technical, scientific topics and a motivational interview. A part of the oral exam will be in English.</p>	
QUALIFICATIONS SUBJECT TO EVALUATION AND DOCUMENTS TO BE SUBMITTED			Maximum score
<p>Mandatory documents (art. 5 of the Call) UNDER PENALTY OF EXCLUSION</p>	<p>1</p>	<p>DOCUMENTS REQUIRED FOR ADMISSION TO THE PHD PROGRAMME (Art. 4 of the Call for Applications):</p> <p>Italian or EU candidates holding:</p> <ul style="list-style-type: none"> • Degree already obtained: Self-certification issued in the form of a substitute declaration pursuant to Art. 46 and 47 of Presidential Decree no. 445 of 28.12.2000 and subsequent amendments, certifying the degree obtained and its related details (University, final grade, date of issue). <i>A template is available for download on the webpage dedicated to doctoral programmes.</i> • Degree to be obtained: Self-certification issued in the form of a substitute declaration pursuant to Art. 46 and 47 of Presidential Decree no. 445 of 28.12.2000 and subsequent amendments, certifying enrollment in the degree programme and its related details (University, average exam marks, credits earned, expected date when degree will be issued). <i>A template is available for download on the webpage dedicated to doctoral programmes.</i> <p>Non-EU candidates who are not legally residing in Italy and not authorized to stay in the country, in possession of:</p> <ul style="list-style-type: none"> • Foreign degree already obtained: <ul style="list-style-type: none"> – Certificate attesting the possession of a second-level university degree (see Art. 4), issued by the institution that awarded it, specifying the type of degree, date of issue and final grade; – Transcript of records of the Master's degree required for admission to the doctoral programme, including credits (if provided for in the university system of the country that issued the degree), grades and grading scale. <p>If the university system is divided into first and second cycle, it is preferable that applicants also submit their Bachelor's degree certificate (first-cycle degree) and the transcript of records for this.</p> <ul style="list-style-type: none"> • Foreign degree to be obtained: Certificate of enrollment in a degree programme that qualifies for admission to the doctoral programme (see Art. 4), indicating exams taken, related credits (if provided for in the university system of the country that issued the degree), grades, grading scale (academic transcript of records) and the expected date of degree award. <p>If the university system is structured in first and second cycle, applicants are also preferably required to submit the Bachelor's degree certificate (first-cycle degree) and the transcript of records for this.</p> <p>Non-EU candidates who are legally residing in Italy, in possession of:</p> <ul style="list-style-type: none"> • Degree already obtained in Italy: Self-certification issued in the form of a substitute declaration pursuant to Art. 46 and 47 of Presidential Decree no. 445 of 28.12.2000 and subsequent amendments, certifying the degree obtained and its related details (University, final grade, date of issue). 	



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	<p><i>A template is available for download on the webpage dedicated to doctoral programmes.</i></p> <p>• Degree to be obtained in Italy: Self-certification issued in the form of a substitute declaration pursuant to Art. 46 and 47 of Presidential Decree no. 445 of 28.12.2000 and subsequent amendments, certifying enrollment in the degree programme and its related details (University, average exam marks, credits earned, expected date when degree will be issued). <i>A template is available for download on the webpage dedicated to doctoral programmes.</i></p> <p>Non-EU candidates legally residing in Italy, holding a degree obtained or to be obtained abroad, must follow the instructions for “non-EU candidates who are not legally residing in Italy and not authorized to stay in the country”.</p> <p>Non-EU candidates authorized to reside in Italy may use self-certifications where the use of such documents is permitted under international agreements between Italy and the candidate’s country of origin.</p> <p>Non-EU candidates legally residing in Italy and non-EU citizens authorized to reside in Italy who intend to use self-certifications must attach their residence permit or authorization to stay in Italy to their application.</p>	
	<p>2 Copy of a valid personal identification document (for citizens of countries outside the European Union, a copy of the passport, specifically the pages showing the document number, photograph, personal details, place and date of issue, and expiration date).</p>	
	<p>3 CV and Academic Record which must provide detailed information on all previous and, where applicable, ongoing education and training (education and training history, degree thesis, publications and articles, research areas of interest, work experience, internships, research periods abroad, awards and honors, personal, social, organizational, technical, and artistic skills and competencies). <i>A template is available for download on the webpage dedicated to doctoral programmes.</i></p>	10
	<p>4 Research proposal (approximate limit 10,000 characters, included spaces, in English) developed within the research programmes indicated in the document “Available places and assessment procedures” (Art. 3, par. 5 of the Call). <i>A template is available for download on the webpage dedicated to doctoral programmes.</i></p>	14
Optional documents (art. 5 of the Call)	<p>1 Master’s Thesis for the degree granting access to the doctoral programme. Candidates who, on the date of the call deadline, have not yet obtained the degree granting access to the doctoral programme, must submit an extended abstract in Italian or English signed by their supervisor (approximate limit 25,000 characters, including spaces).</p>	2
	<p>2 Publications (upload max. 2 publications) relevant to the subjects of the doctoral programme.</p>	2
	<p>3 Reference letters (enter a max. of 2 reference contacts) from university professors, scientific researchers or other experts in the field (art. 6 of the Call).</p>	2
<p>For details on the procedures for submitting documents and qualifications, please refer to Articles 5 and 6 of the Call. In particular, it should be noted that:</p> <p>1. Documents and qualifications must be submitted in Italian or English, except for those for which this form specifically requires English. Documents and qualifications originally in another language must be accompanied by a translation into Italian or English carried out by the candidate who assumes full responsibility for its accuracy. Regarding the thesis specifically, the translation may be limited to an extended abstract.</p> <p>2. Documents and qualifications, with the exception of reference letters, must be attached to the online application in digital format (.pdf).</p>		