



FOOD SCIENCE		
Cycle	XXXIII	
Duration	3 years	
Coordinator	Prof. Furio BRIGHENTI – Food and Drugs Department E-mail: furio.brighenti@unipr.it	
Research Topics (the applicant MUST indicate one research topic)	<ul style="list-style-type: none"> Food resources improvement, post-harvest losses reduction and local food development in African countries. Development of rapid (spectroscopic) methods for assessment of fish authenticity and safety. Exploring the nutritional quality of nutrients of interest in pulses and tree nuts. Microbial characterization and safety evaluation of novel foods. Technological functionality of vegetable flours in complex food matrices. Untarget omic approaches for food quality and safety. The interplay between dietary bioactives, natural toxins, and the human gut microbiota. 	
Training objectives	Gaining high theoretical and experimental competences to answer innovation needs in the field of food sciences, with particular focus on mastering interdisciplinary topics (chemistry, agronomy, food microbiology, food technologies, sensory analysis, human nutrition, marketing and food inspection).	
Academic degree required	Laurea pursuant to the previous university system, laurea specialistica or laurea magistrale, or a foreign academic qualification that has been recognized as equivalent	
POSITIONS PUT OUT TO COMPETITION		
With Scholarship		5
Without Scholarship		1
Reserved to employees of companies having a “Industrial Engineering Doctorate” arrangement		1
TOTAL		7
KIND OF SCHOLARSHIP		
N°	Funding entity	Research Topic, if any
3	Scholarship Ministerial funds	<ul style="list-style-type: none"> Local food development in African countries Methods for fish authenticity and safety Nutritional quality of pulses and nuts
1	Scholarship University funds	<ul style="list-style-type: none"> Safety evaluation of novel foods



1	Co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> Dietary bioactives, natural toxins, and the gut microbiota
Positions reserved to employees of companies having a “Industrial Engineering Doctorate” arrangement		
N°	Company/Institution	
1	HI-FOOD S.p.A.	
ADMISSION PROCEDURES		
Assessment of QUALIFICATIONS: up to 30 points ORAL EXAM: up to 90 points Minimum score for ELIGIBILITY: 70/120		
Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH . The evaluation of the knowledge of this language will be oral and will consist in translating of a scientific text.	
Possibility of videoconference for candidates residing or temporarily abroad		NO
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
Graduation thesis	Coherence of the theme of the graduation thesis with the educational objectives of the PhD (mandatory qualification)	Up to 6 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 4 points - 110: 3 points - From 105 to 109: 2 points - From 99 to 104: 1 point - Under 99: 0 points	Up to 4 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2017)	Score related to the average of the exam marks: - 30/30: 4 points - From 28/30 to 29.9/30: 3 points - From 26/30 to 27.9/30: 2 points - From 24/30 to 25.9/30: 1 point - Under 24/30: 0 points	Up to 4 points
Curriculum Vitae et studiorum and other qualifications	Including academic career and postgraduate experience (Scholarships, prizes, experiences abroad, specialization certifications, etc.) accompanied with a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark (mandatory qualification)	Up to 8 points



Statement of Research Interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD and at describing the specific research interests	Up to 5 points
Scientific publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.	Up to 5 points
Reference Letters	A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities	Up to 2 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	ORAL EXAM DATE: 18 September 2017 TIME: 10:00am PLACE: CLASSROOM A – Didactic Center of Food and Drugs Department (Building 19 Food Project University) Parco Area delle Scienze, 47/A – 43124 PARMA - ITALY	
Oral Exam topics	The Oral Exam will consist: <ol style="list-style-type: none">1. Critical reading of a scientific publication chosen from among those proposed by the Commission within the themes of research proposals;2. Interview about the contents of the scientific publication chosen by each candidate.	
OTHER INFORMATION	For foreign candidates, the admission examinations may be held in English at the candidate's choice.	