



**UNIVERSITÀ  
DI FOGGIA**

**DOCTORATE "BIOTECHNOLOGY AND SMART PRACTICES FOR A  
SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES, FOOD AND  
AGRICULTURE"**

Dipartimento di Scienze Agrarie, Alimenti, Risorse Naturali e Ingegneria  
*Università di Foggia*

**DOCTORATE COURSE:  
"Biotechnology and smart practices for a sustainable management of natural  
resources, food and agriculture"**

**INDIVIDUAL EDUCATIONAL PLAN**

**CYCLE XXXVIII**

<b>STUDENT</b>	<b>Annalisa d'Amelio</b>
<b>TUTOR</b>	<b>Prof. Antonio Bevilacqua</b>
<b>CO-TUTOR</b>	<b>Dott.ssa Barbara Speranza</b>

<b>CURRICULUM</b>	<b>1 Sustainable Agriculture, Natural Resources and Biodiversity <input type="checkbox"/></b> <b>2 Emerging Technologies for Ensuring Food Quality and Safety X</b>
<b>AREA OF RESEARCH INTEREST</b>	<b>Predictive Microbiology and Multivariate Models, Food and Agricultural Microbiology, microbiome characterization, biorefinery for food industry, loss and waste</b>
<b>PROVISIONAL TITLE of the RESEARCH PROJECT</b>	<b>Biotechnological solutions for environmental-friendly approaches in agriculture and food production</b>
<b>DOCTORAL SCHOLARSHIP</b>	<b>Ateneo <input type="checkbox"/></b> <b>DM 351 <input type="checkbox"/></b> <b>DM 352 <input type="checkbox"/></b> <b>PNRR Agritech X</b> <b>Comunale <input type="checkbox"/></b>
<b>TRAINING PERIOD OUTSIDE UNIFG</b>	<b>The project does not account for a period outside University of Foggia; however, this trait will be evaluated in due course depending on the</b>



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<b>(company, other Italian Institution)</b>	needs to carry out specific activities requiring special equipment
<b>TRAINING PERIOD ABROAD</b>	The project does not account for a period outside University of Foggia however, this trait will be evaluated in due course depending on the needs to carry out specific activities requiring special equipment

MANDATORY COURSES	YEAR OF COURSE	CV	HOURS/CREDITS	PROFESSOR
Informative systems and data elaboration : descriptive statistics	1 <sup>st</sup>	1, 2	16 HR/2 ECTS	Fabio SANTERAMO
Informative systems and data elaboration : experimental design	1 <sup>st</sup>	1, 2	24 HR/3 ECTS	Giuseppe GATTA
Basics of programming	1 <sup>st</sup>	1, 2	16 HR/2 ECTS	Annalisa MASTROSERIO
Advanced statistic	2 <sup>nd</sup>	1, 2	20 HR/ 2 ECTS	Massimo MONTELEONE
OPTIONAL COURSES at choice at least 2 (4 ECTS)	YEAR OF COURSE	CV	HOURS/CREDITS	PROFESSOR and INSTITUTION
Impact of microbial communities in food and environment	2 <sup>nd</sup>	1, 2	16 HR/2 ECTS	Barbara SPERANZA
Trends in analytical techniques for quality and safety controls in the agro- food sector	2 <sup>nd</sup>	2	16 HR/2 ECTS	Maurizio QUINTO

Doctoral Student

*Annalisa d'Amelio*

Tutor

*Antonio Beilep*