



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

INDIVIDUAL EDUCATIONAL PLAN

CYCLE XXXVIII

STUDENT	Alessandro De Santis
TUTOR	Prof.ssa Milena Sinigaglia
CO-TUTOR	

CURRICULUM	1 Sustainable Agriculture, Natural Resources and Biodiversity <input type="checkbox"/> 2 Emerging Technologies for Ensuring Food Quality and Safety X
AREA OF RESEARCH INTEREST	Predictive microbiology and multivariate models, Food and Agricultural Microbiology, Microbiome characterization, biorefinery for food industry, loss and waste.
PROVISIONAL TITLE of the RESEARCH PROJECT	Mathematical and biotechnological approaches for a waste and loss new management
DOCTORAL SCHOLARSHIP	Ateneo <input type="checkbox"/> DM 351 <input type="checkbox"/> DM 352 X PNRR Agritech <input type="checkbox"/> Comunale <input type="checkbox"/>
TRAINING PERIOD OUTSIDE UNIFG	Orchidea SRL during II and III year



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

(company, other Italian Institution)	
TRAINING PERIOD ABROAD	Universitat Politecnica de Valencia during II and III year

MANDATORY COURSES	YEAR OF COURSE	CV	HOURS/CREDITS	PROFESSOR
Informative systems and data elaboration : descriptive statistics	1 st	1, 2	16 HR/2 ECTS	Fabio SANTERAMO
Informative systems and data elaboration : experimental design	1 st	1, 2	24 HR/3 ECTS	Giuseppe GATTA
Basics of programming	1 st	1, 2	16 HR/2 ECTS	Annalisa MASTROSERIO
Advanced statistic	2 nd	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 nd	1, 2	16 HR/2 ECTS	Barbara SPERANZA
Trends in analytical techniques for quality and safety controls in the agro- food sector	2 nd	2	16 HR/2 ECTS	Maurizio QUINTO

Doctoral Student

Tutor