

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

STUDENT	Muhammad Usman
TUTOR	Maurizio Quinto
CO-TUTOR	Donatella Curtotti

CURRICULUM	2 Emerging Technologies for Ensuring Food Quality and Safety				
AREA OF RESEARCH	Analytical Chemistry				
INTEREST					
PROVISIONAL TITLE of	Determination of illicit drugs in environmental samples by				
the RESEARCH PROJECT	innovative methods based on microextraction followed by				
the RESEARCH I ROJECT	chromatography - mass spectrometry analyses.				
DOCTORAL	DM 351				
SCHOLARSHIP					
TRAINING PERIOD	ARPA Puglia - Dipartimento Ambientale Provinciale - DAP Foggia				
OUTSIDE UNIFG	Via Giuseppe Rosati, 139, Foggia, Provincia di Foggia, 71121, Puglia, Italia				
(company, other Italian	During the II – III year of the Ph.D. program				



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Institution)					
	Dr. Kafil Razeeb				
TRAINING PERIOD	Tyndall National Institute				
ABROAD	Lee Maltings Complex Dyke Parade, Cork, T12 R5CP, Ireland				
	https://www.tyndall.ie/nano-materials-based-sensor/				
	During the II – III year of the Ph.D. program				

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
Research Methods: aspetti teorici e applicazioni al settore agro – alimentare	1 st	2	20 HR/ 2 ECTS	Francesco Bimbo
Trends in analytical techniques for quality and safety controls in the agro-food sector	2 nd	2	16 HR/2 ECTS	Maurizio Quinto
Enzyme assays in plant cell extracts: a practical approach	2nd	1, 2	16 HR/2 ECTS	Mario Soccio

Muhammad Usman

Maurizio Quinto

Mauriro Qito