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	**Name SULEMAN KHAN**
TUTOR	**Name Prof Dr Marzia Albenzio**
CO-TUTOR	**Professor Dr Antonio Bevilacqua**

CURRICULUM	**1** *Sustainable Agriculture, Natural Resources and Biodiversity* ☐√ **2** *Emerging Technologies for Ensuring Food Quality and Safety* ☐
AREA OF RESEARCH INTEREST	The object of the research program is the study on sheep grazing integration with legumes. In particular: 1. The efficiency of this approach will be assessed through quantitative and qualitative analyses of performance in sheep and welfare condition, milk yield and quality. 2. The evaluation of faecal microbiota and its comparison with microbiota of milk, and the simulation of the effects on the intestinal transit will allow to test the internal validity of the agro-diversification strategy. 3. The strategy's effect on ruminants' emissions will be indirectly evaluated by quantifying the presence of methanogen microorganisms.
PROVISIONAL TITLE of the RESEARCH PROJECT	**Indicator-based evaluation of new management models in animal husbandry**

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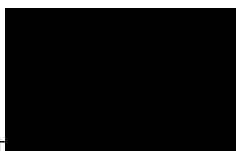**DOCTORATE "BIOTECHNOLOGY AND SMART PRACTICES FOR A SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES, FOOD AND AGRICULTURE"**
Dipartimento di Scienze Agrarie, Alimenti, Risorse Naturali e Ingegneria
Università di Foggia

DOCTORAL SCHOLARSHIP	Ateneo ☐ DM 351 ☐ DM 352 ☐ PNRR Agritech √ Comunale ☐
TRAINING PERIOD OUTSIDE UNIFG (company, other Italian Institution)	Societa Agricola Fratelli Carrino (6 months)
TRAINING PERIOD ABROAD	INRA-RENES (FRANCE) (6 months)

MANDATORY COURSES	YEAR OF COURSE	CV	HOURS/CREDITS	PROFESSOR
Informative systems and data elaboration : descriptive statistics	1st	1, 2	16 HR/2 ECTS	Fabio SANTERAMO
Informative systems and data elaboration : experimental design	1st	1, 2	24 HR/3 ECTS	Giuseppe GATTA
Basics of programming	1st	1, 2	16 HR/2 ECTS	Annalisa MASTROSERIO
Advanced statistic	2nd	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**
Precision Livestock Farming: challenges and opportunities	2nd	1	16 ore/ 2 CFU	Maria Giovanna CIliberti
Impact of microbial communities in food and environment	2nd	1 and 2	16 ore/ 2 CFU	Barbara Speranza

Doctoral Student ▮▮▮▮▮▮

Tutor Prof Dr Marzia