**DOCTORATE COURSE:**

**“Biotechnology and smart practices for a sustainable management of natural resources, food and agriculture”**

**INDIVIDUAL EDUCATIONAL PLAN**

**CYCLE XXXVIII**

| **STUDENT** |  **Maria Matloob** |
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| **TUTOR** | **Maria L. Amodio** |
| **CO-TUTOR** |  |

| **CURRICULUM** | **1 S*ustainable Agriculture, Natural Resources and Biodiversity* • 1****2 *Emerging Technologies for Ensuring Food Quality and Safety* •**  |
| --- | --- |
| **AREA OF RESEARCH INTEREST** |  |
| **PROVISIONAL TITLE of the RESEARCH PROJECT** | **Real time detection of grapes and robotic harvesting** |
| **DOCTORAL SCHOLARSHIP** | **Ateneo •** **DM 351 •****DM 352 • DM 352 Rider****PNRR Agritech •****Comunale •** |
| **TRAINING PERIOD OUTSIDE UNIFG (company, other Italian Institution)** | (possible period and hosting Institution) |
| **TRAINING PERIOD ABROAD**  | (possible period and hosting Institution) |

| **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 choiceat least 2 (4 ECTS) | **YEAR OF COURSE** | **CV** | **HOURS/CREDITS** | **PROFESSOR and INSTITUTION** |
| Geographic informative system |  | 1 | 20 HR/2 ECTS | Anna Rita Cammerino |
| Machine vision for food quality inspection |  | 2 | 36 HR/4 ECTS | Giancalro Colelli, Roberto Romaniello |
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 Doctoral Student Tutor

 Maria Matloob