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| Ph.D. Student | Sara Paliaga |
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| Orcid ID | https://orcid.org/0000-0002-4405-4073 |
| Location | Department of Agricultural, Food and Forestry Sciences (SAAF), Viale delle Scienze, Building 4, Palermo (PA), 90128, Italy |
| Profile | Bachelor's degree in <i>Agricultural Sciences and Technologies</i> , 2019; Master's degree in <i>Agricultural Productions and Technologies</i> , 2021; Ph.D. Student in <i>Biodiversity in Agriculture and Forestry</i> (D083) since 2021 |
| Expertise | Soil physiochemical and biochemical analysis; Water and Plant analysis; Knowledge of the use of GC, HPLC and MP-AES; |
| Advisor | Prof. Luigi Badalucco |
| Co-advisor | Prof. Vito Armando Laudicina |
| Thesis topics | Soil biodegradation of nutrient enriched cellulose- and chitosan- derived mulching films for sustainable horticulture |
| Research interests | Soil fertility, soil microbial biomass, soil biodiversity, bio-based plastic, sustainable agriculture, sewage sludge compost. |
| Research activity | 1. Development of a new method for the determination of soil microbial biomass. 2. Production of bio-based mulch films and study of their effect on soil chemical, physical and biochemical properties, and their biodegradability. 3. Sewage Sludge composting |
| Link to publications | https://doi.org/10.1007/s00374-023-01725-5 https://doi.org/10.3390/agriculture13040764 https://doi.org/10.1002/jpln.202300252 https://doi.org/10.1016/j.scitotenv.2024.172259 https://doi.org/10.1007/978-3-031-63353-9_81 https://doi.org/10.1007/978-3-031-63353-9_80 https://doi.org/10.1038/s41598-024-65084-3 |