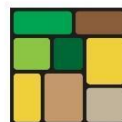


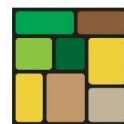
Dipartimento di Scienze Agrarie, Alimenti, Risorse Naturali e Ingegneria
Department of Agriculture, Food, Natural resources and Engineering
(DAFNE)

CYCLE	XXXVIII
STUDENT	ANGELA GUERRIERI
TUTOR	Maria Rosaria Corbo
CO-TUTOR	Giulia Conversa

CURRICULUM	Emerging Technologies for Ensuring Food Quality and Safety
PROVISIONAL TITLE of the RESEARCH PROJECT	Selection of medicinal and halophyte plant products for the sustainable valorization of traditional foods and unexploited resources
DOCTORAL SCHOLARSHIP	Progetto Agritech (CN_00000041)
SHORT CV	- 09/2017-07/2020 Bachelor's degree in Food Science and Technology (L-26) at University of Foggia with final grade 110/110 cum laude - 09/2020-07/2022 Master's degree in Medical, Veterinary, and Pharmaceutical Biotechnology (LM-9) at the University of Foggia with final grade 110/110 cum laude - 09/2021-05/2022 University tutor - 2022 Biologist qualification exam - 07/2022-10/2022 University tutor - 2023 Teaching assignment for seminar activities as part of the Cross-Curricular Skills and Orientation Pathways (PCTO) for the “ComBase” and “FSSP” modules, course in Predictive Microbiology - 09/2023-07/2024 Master's Degree in Human Nutrition Sciences (LM-61) at University of Foggia with final grade 110/110 cum laude - 2024 Teaching assignment for educational activities within the framework of the Cross-Curricular Skills and Orientation Pathways



	(PCTO), Biotechnology pathway: Microbiology Laboratory - 02/2025-05/2025 Research training period abroad at University of Castilla-La Mancha (Toledo and Ciudad Real, Spain) - 11/2022-Ongoing: PhD student XXXVIII Cycle at the University of Foggia, in “Biotechnology and Smart Practices for a Sustainable Management of Natural Resources, Food and Agriculture”
PUBLICATIONS	International publications - 2023 “<i>Use of a combined autochthonous starter to ferment Peranzana Alta Daunia table olives</i>”. Angela Guerrieri, Angela Racioppo, and Barbara Speranza. In Proceedings of the 4th International Electronic Conference on Foods, 15–30 October 2023, MDPI: Basel, Switzerland, doi:10.3390/Foods2023-15107. - 2023 “<i>Sage and Lavender Essential Oils as Potential Antimicrobial Agents for Foods</i>”. Barbara Speranza, Angela Guerrieri, Angela Racioppo, Antonio Bevilacqua, Daniela Campaniello and Maria Rosaria Corbo. Microbiology Research. 2023, 14(3), pp. 1089-1113 - 2024 “<i>Discover hidden value of almond by-products: Nutritional, sensory, technological and microbiological aspects</i>”. Valentina Lacivita, Antonio Derossi, Rossella Caporizzi, Carmen Lamacchia, Barbara Speranza, Angela Guerrieri, Angela Racioppo and Carla Severini. Future Foods. 2024, 10, 100398 - 2025 “<i>A preliminary investigation on <u>Penicillium</u> spp. growth on peanuts during drying and storage</i>”. Daniela Campaniello, Annalisa d’Amelio, Angela Guerrieri, Alessandra Accettulli, Alessandro De Santis, Antonio Bevilacqua. Life. 2025, 15(2), 140 - 2025 “<i>Sub-lethal injury in foodborne microorganisms: an experimental comparison between ultrasound and traditional inactivation techniques</i>”. Angela Racioppo, Angela Guerrieri, Maria Rosaria Corbo, Milena Sinigaglia, Antonio Bevilacqua and Barbara Speranza. Applied Food Research, 2025, 5(2), 101119 - Submitted “<i>Assessing the biostimulant effects and antimicrobial activity of <u>Lavandula angustifolia</u> essential oil</i>”. Giovanni Kamal Piga, Maria Rosaria Corbo, Laura Frabboni, Barbara Speranza, Angela Guerrieri, Giacinto Salvatore Germinara, Sara Melito. Journal of Agriculture and Food Research. - Submitted “<i>Selection and characterization of salt-tolerant plant growth-promoting bacteria associated with the endosphere and rhizosphere of <u>Salicornia europaea</u></i>”. Angela Guerrieri, Angela Racioppo, Maria Rosaria Corbo, Antonio Bevilacqua, Milena Sinigaglia, María Arévalo-Villena, Beatriz García-Béjar and Barbara Speranza. Frontiers in Plant Science. - Under final review “<i>Plant Growth Promoting bacteria in the endo-and rhizosphere of halophyte <u>Cakile maritima</u> Scop</i>”. Angela Guerrieri, Angela Racioppo, Antonio Bevilacqua, Giulia Conversa, Angelica Giancaspro, Maria Rosaria Corbo e Barbara Speranza. Book chapters (1) - 2024 “Fungi” in The microbiological quality of food. Foodborne



spoilers. Angela Racioppo and **Angela Guerrieri**. 2024, pp. 175-193 2a edizione. Elsevier Science Ltd.

Encyclopedic Contributions (1)

- 2023 “*Sage and Lavender Essential Oils as Potential Antimicrobial Agents for Foods*”. Barbara Speranza, Angela Guerrieri, Angela Racioppo, Antonio Bevilacqua, Daniela Campaniello and Maria Rosaria Corbo. Contributo in MDPI Scholary Community Encyclopedia.2023; <https://encyclopedia.pub/entry/48641>

Abstract and poster (12)

-2023 “*Use of Plant Growth Promoting Bacteria on Mediterranean crops. Robustness and effects on plants*”. d’Amelio A., De Santis A., Accettulli A., **Guerrieri A.**, Speranza B., Sinigaglia M., Bevilacqua A. 7th International Conference on Microbial diversity 2023 (MD23), Parma. (Abstract and poster).

-2024 “*Molecular characterization of bacterial isolates from halophyte plants of Cakile maritima collected in Apulia region*”. Giancaspro A., **Guerrieri A.**, Speranza B., Lotti C. LXVII SIGA Annual Congress "Expanding frontiers in crop genetics" Bologna. (Abstract and poster).

- 2024 “*Plant growth-promoting bacterial consortia isolated from halophytes to improve crop response to salinization and climate change*”. Racioppo A., **Guerrieri A.**, Speranza B., Botticella L., Conversa G., Corbo M.R. ECCO XLII Meeting "Microbe & Microbiome Management for a Better Planet" Bari. (Abstract).

- 2024 “*Microbial characterization of endophytic bacteria from halophytic plants*”. **Guerrieri A.**, Speranza B., Racioppo A., Giancaspro A., Lotti C., Corbo M.R. ECCO XLII Meeting "Microbe & Microbiome Management for a Better Planet" Bari. (Abstract and poster).

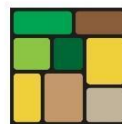
- 2024 “*Valorization of almond by-products through the design of valuable food products*”. Derossi A., Lamacchia C., Lacivita V., Corbo M.R., **Guerrieri A.**, Speranza B. Convegno e Meeting dello Spoke 7 “Soluzioni sostenibili per lo sviluppo delle aree marginali” nell’ambito di AGRITECH. Bari. (Abstract and poster).

- 2024 “*Genetic characterization of bacterial isolates from halophyte plants of Cakile maritima collected in Apulia region*”. Giancaspro A., Corbo M.R., Speranza B., **Guerrieri A.**, Lotti C. Convegno e Meeting dello Spoke 7 “Soluzioni sostenibili per lo sviluppo delle aree marginali” nell’ambito di AGRITECH. Bari. (Abstract and poster).

- 2024 “*Selection of Plant Growth Promoting Bacteria from endo- and rhizosphere of Cakile maritima*”. **Guerrieri A.**, Speranza B., Corbo M.R. Convegno e Meeting dello Spoke 7 “Soluzioni sostenibili per lo sviluppo delle aree marginali” nell’ambito di AGRITECH. Bari. (Abstract and poster).

- 2024 “*Phenotypical characterization of Plant Growth-Promoting Bacteria from halophytic plants of Salicornia spp*”. **Guerrieri A.**, Speranza B., Corbo M.R. Convegno e Meeting dello Spoke 7 “Soluzioni sostenibili per lo sviluppo delle aree marginali” nell’ambito di AGRITECH. Bari. (Abstract and poster).

- 2025 “*Isolamento e Caratterizzazione di Plant Growth Promoting Bacteria alotolleranti da Cakile maritima per il recupero della fertilità dei suoli salini*” Racioppo A., Speranza B., **Guerrieri A.**, Sinigaglia M.,



Altieri C., Bevilacqua A. and Corbo M.R. Convegno Nazionale "Ricerca e Innovazione: per un futuro sostenibile", Matera. (Abstract).

- 2025 "*Valorization of almond skins as prebiotic additives in synbiotic beverages and microcapsules*". Speranza B., Racioppo A., **Guerrieri A.**, Accettulli A., Corbo M.R. 8th International Conference on Microbial Diversity "Microbial Diversity for Empowering the Ecological Transition: Research, Innovation, and Technological Transfer" MD 2025, Rome. (Abstract and poster).

- 2025 "*Selection and evaluation of salt-tolerant plant growth-promoting bacteria from halophyte plants for sustainable agriculture*". Racioppo A, **Guerrieri A.**, Speranza B., Conversa G. and Corbo M.R. 8th International Conference on Microbial Diversity "Microbial Diversity for Empowering the Ecological Transition: Research, Innovation, and Technological Transfer" MD2025, Rome. (Abstract).

- 2025 "*Assessing the biostimulant effects and antimicrobial activity of Lavandula angustifolia essential oil*". Piga G.K., Cossu M., Corbo M.R., Frabboni L., Speranza B., **Guerrieri A.**, Germinara G.S. and Melito S. XV GIORNATE SCIENTIFICHE SOI. Pisa. (Abstract e poster).

Oral communication (5)

-2023 "*Halophytic Plant Growth Promoting Bacteria: a new tool for a sustainable valorization of marginal areas.*" **Guerrieri A.**, Accettulli A., Altieri C., Sinigaglia M., Corbo M.R. XIV Convegno Nazionale sulla Biodiversità, 1st International Conference of Mediterranean Biodiversity. "Biodiversità, resilienza e cambiamenti climatici" Università del Salento, Lecce.

- 2023 "*Selection and characterization of plant growth promoting bacteria for a sustainable valorization of unexploited resources.*" **Guerrieri A.** 5th Joint workshop of the agriculture-oriented PhD programs at Unict, Unifg and Uniud; Catania.

- 2024 "*Plant growth-promoting bacteria in the rhizo- and endosphere of Salicornia europaea plants*". **Guerrieri A.** 6th Joint Meeting of Agriculture-oriented PhD Programs at UniCT, UniFG and UniUD. Lesina.

- 2025 "*Microbial diversity of salt-tolerant plant growth-promoting bacteria associate with Cakile maritima*". **Guerrieri A.** 7th Joint Meeting of Agriculture-oriented PhD Programs at Uniud, Unifg, Unict; Udine.

2023 "*Use of a combined autochthonous starter to ferment Peranzana Alta Daunia table olives*". **Guerrieri A.**, Racioppo A. and Speranza B. 4th International Electronic Conference on Foods, 15–30 October 2023.