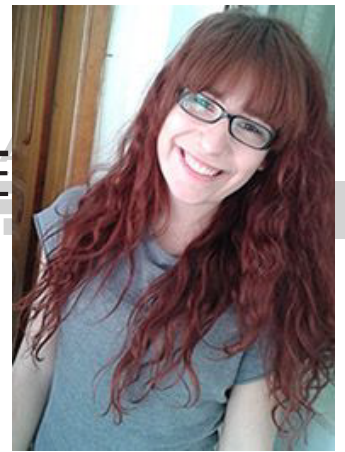


CURRICULUM VITAE



Family Name: Sereti

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Date of Birth: 08/22/1993

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Education:

- 2020 - present: PhD candidate at the Department of Food Science and Technology at the Ionian University
- 2019: Master's degree in «Infectious Diseases – Public Health Laboratories» at the Department of Public Health Policy at the University of West Attica, with High Honors
- 2017: Bachelor's degree-Integrated Master at the Department of Biological Applications and Technology at the University of Ioannina, with Upper Second-Class Honors

Research Experience:

- 2020 - present: Research assistant, working on PhD thesis with title «Microbial Carotenoids: Production and Applications» at the Laboratory of Food Chemistry and Industrial Fermentation at the Department of Food Science and Technology at the Ionian University, under the guidance of Associate Professor Dr Nikolaos Kopsahelis
- 2019: Research assistant, working on thesis project at the Laboratory of Parasitology, Entomology and Tropical Diseases at the Department of Public Health Policy at the University of West Attica, under the guidance of the Associate Professor Dr Elina Patsoula

2015 - 2017: Undergraduate research assistant, working on thesis project at the Department of Neurobiology at «Biomedical Research Foundation of the Academy of Athens», under the guidance of Dr. Dimitra Magoura

2014: Undergraduate research assistant, two-month internship at the Department of Cellular and Developmental Biology at «Alexander Fleming» Research Center, under the guidance of Dr. Emmanuel Skoulakis

■ Research Projects:

2021 - 2023 : «Infrastructure of Microbiome Applications in Food Systems-FOODBIOMES, MIS 5047291», NSRF 2014-2020, Ionian University, Department of Food Science and Technology

9/2020 - 12/2020: « Valorization of cheese dairy waste for the production of high added-value products,MIS5007020», NSRF 2014-2020, Ionian University, Department of Food Science and Technology

■ Publications in International Scientific journals:

F. Sereti, M. Alexandri, A. Papadaki, H. Papapostolou, N. Kopsahelis (2024). Carotenoids production by *Rhodospiridium paludigenum* yeasts: Characterization of chemical composition, antioxidant and antimicrobial properties. *Journal of Biotechnology*, 386, 52-63

F. Sereti, M. Alexandri, A. Papadaki, H. Papapostolou, N. Kopsahelis (2024). Natural lycopene and β -carotene synthesis by *Rhodospiridium kratochvilovae* yeasts: Sustainable production, chemical characterization and antioxidative properties. *Food Bioscience*, 57, 103425

F. Sereti, A. Papadaki, M. Alexandri, V. Kachrimanidou, N. Kopsahelis (2022). Exploring the potential of novel *R. kratochvilovae* red yeasts towards the sustainable synthesis of natural carotenoids. *Sustainable Chemistry and Pharmacy*, 31,100927

Beleri S., Balatsos G., Karras V., Tegos N., **Sereti F.**, Rachiotis G., Hadjichristodoulou C., Papadopoulou N., Papachristos D., Michaelakis A., Patsoula E. (2021). Seasonal Phenological Patterns and Flavivirus Vectorial Capacity of Medically Important Mosquito Species in a Wetland and an Urban Area of Attica, Greece. *Tropical Medicine and Infectious Disease*, 6(4),176

■ Presentations in Scientific Conferences:

F. Sereti, M. Alexandri, D. Tagiou, F. Mpatsolaki, A. Papadaki, N. Kopsahelis (2023). «*Rhodospiridium paludigenum* yeasts as a novel biotechnological tool for natural carotenoids production». 10th International Conference on Sustainable Solid Waste Management, Chania, Greece, 21-24 June (oral presentation)

Fani Sereti (2023) «Biotechnological production and identification of carotenoids from *Rhodospiridium* sp. yeasts» Live Workshop: Sustainable Food Systems: Back to the future» Argostoli, Greece, 2 June (oral presentation)

F. Sereti (2023) «Biotechnological Production of Carotenoids: Towards the Development of Sustainable and Functional Food Systems». Applied Sciences webinar - Microbiome Innovations for Functional and Sustainable Food Systems, 20 January (oral presentation)

F. Sereti, A. Papadaki, E. Eriotou, N. Kopsahelis (2022). «Sustainable carotenoid synthesis from cheese whey: evaluation of key fermentation parameters and carotenoid profile using two novel *Rhodospiridium kratochvilovae* strains». 9th International Conference on Sustainable Solid Waste Management, Corfu, Greece, 15-18 June (oral presentation)

Sereti Fani, Tegos Nikolaos, Beleri Stavroula, Mpimpa Anastasia, Balatsos Georgios, Karras Vasileios, Papachristos Dimitrios, Michaelakis Antonios, Patsoula Elina (2022). «Investigation of Usutu virus presence in *Culex pipiens* mosquitoes in Attica regional units, Greece, 2017-2018» Panhellenic Conference of Public Health 2022, Athens, Greece, 28-02 March (oral presentation)

F. Sereti, A. Papadaki, V. Kachrimanidou, I. Lappa, E. Eriotou, N. Kopsahelis (2021). «Evaluation of carotenoids and lipids production by two isolated *Rhodospiridium kratochvilovae* strains using galactose-based media». 8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23-25 June (poster)

Lappa I.K., Stamatiou A., **Sereti F.**, Papadaki A., Kachrimanidou V., Eriotou E. and Kopsahelis N. (2020). «Expanding the valorization routes of cheese whey: Lactose hydrolysis using *A. awamori*-derived β -galactosidase for the subsequent production of bacterial cellulose.» 1st International Electronic Conference on Catalysis Sciences (E-conference)

Patsoula E., Beleri S., Balatsos G., Karras V., Tegos N., **Sereti F.**, Papachristos D., Michaelakis A. (2020). «Monitoring mosquito populations and detection of West Nile virus (WNV) and Usutu virus in mosquito pools collected in Attica regional units, Greece, 2017-2018.» 30th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Paris, France, 18-21 April (online abstract book, Abstract 9540, page 4449)

Mangoura D., **Sereti F.**, Papanikolaou E., Georgiou I., Gaitanaki A., Tsirimonaki E., Kalaras G., Kalpahidou T. and Koliou X. (2017). «Mitotic defects in neural cells after aberrant nuclear entry of neurofibromin.» MTU01-12 - 26th Biennial Meeting of International Society of Neuroscience (ISN), Παρίσι, Γαλλία, 22-24 Αυγούστου, 2017, J. Neurochem. 142 (Suppl. 1), pp81-82 (poster)

■ Additional education:

2018: Certificate of attendance in course « Forensic anthropology» of Athens Medical School, under the guidance of the Assistant Professor Dr Konstantinos Moraitis

2018: Certificate of attendance with High Honors in GCP Training from Global Health Training Center

2017: Certificate of attendance with High Honors in online course «Schizophrenia» from University of Wesleyan

■ Teaching experience:

2019 - present: Preparation of High school students for Panhellenic examination on Biology course

2017 - 2019: Volunteer as a Biology teacher to High school students

■ Foreign Languages:

Greek (Native)

English (Toeic certification)

French (B2 certification)

■ Skills:

Technical skills

Set-up and running cell culture experiments, Applying protein and nitrogen methods, DNA cloning with plasmid vectors, Set-up and running immunocytochemical experiments, Set-up and running microbial fermentations, Extraction, identification and analysis of microbial metabolites

Computer skills

Word, Excel, Power Point, Image J and Adobe Photoshop

Driving License, category B

■ Hobbies:

Dancing, theatre, literature, volunteerism
