Cyprus University of Technology | Studies and Student Welfare Services

Doctoral Vacancy Announcement form

Research Topic Title:
Postharvest Physiology and Technology of Fresh Produce/ Alternative processing methods and their effects on quality and safety

No. of Openings: 1

Description:

The position refers to the post-harvest physiology and technology of fresh products, with an emphasis on the preservation of vegetables and/or aromatic and medicinal plants, both with a combination of physical/chemical methods but mainly with the use and evaluation of natural products/components e.g. essential oils and plant extracts.

Emphasis is placed on evaluation of antioxidant, antimicrobial and other biocidal properties of plant products, but also to enhance nutritive value of the final commodity.

More information on the studies carried out on the website http://www.cut.ac.cy/hydro-aromatic-plants

Required Qualifications:
Bachelor and Master of Science degree in Agricultural Sciences, Food Science/Technology, Food Chemistry, or other relevant degrees in the area.

Applicants should be fluent in English. Previous relevant research experience will be considered.

Candidates will have to attend the interview for the current position.

Funding: No funding is foreseen for this position at this stage. The chosen candidate may be hired as a teaching assistant or, upon his/her performance, acquire internal scholarships. The candidate may be funded through external funding sources (research or services).

Research Advisor:
Name/Surname: Dr. Nikolaos Tzortzakis
Position: Associate Professor
Email: nikolaos.tzortzakis@cut.ac.cy

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Research Topic Title:
Greenhouse crops and intensive cultivation systems (i.e. Hydroponics) for vegetable and Aromatic Plant production

No. of Openings: 2

Description:
The positions refer to the study of vegetables and/or aromatic and medicinal plants in intensive growth systems, e.g. Hydroponics in greenhouse crops. Emphasis is placed on endemic plants of Cyprus or plants of increased nutritional value and properties, with the aim of studying them and their response to abiotic stress. Biofortification and bioaccumulation are also research fields of our interest.
More information on the studies carried out by the group, on the website http://www.cut.ac.cy/hydro-aromatic-plants

Required Qualifications:
Bachelor and Master from an accredited University in Agricultural Sciences, Biology, or related disciplines. Applicants should be fluent in English. Previous relevant research experience will be considered.

Candidates will have to attend an interview for the current position

Funding: No funding is foreseen for this position at this stage. The chosen candidate may be hired as a teaching assistant or, upon his/her performance, acquire internal scholarships. The candidate may be funded through external funding sources (research or services).

Research Advisor:
Name/Surname: Dr. Nikolaos Tzortzakis
Position: Associate Professor
Email: nikolaos.tzortzakis@cut.ac.cy

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Research Topic Title: "Spectroscopic or/and Chromatographic Study of Bioactive components of Food"

No. of Openings: 1(one)

Description: Foods that form the basis of the Mediterranean diet, such as olive oil, are rich in bioactive compounds, including phenolic compounds, which possess antioxidant, chemotherapeutic, and anticancer properties. The study of the components will be conducted using various techniques, primarily chromatographic and spectroscopic methods.

Required Qualifications: Candidates for the above position must hold a Bachelor's and Master's Degree from an accredited University in one of the following fields: Chemistry, Food Chemistry, Food Science or other related discipline. Previous relevant research experience will be considered. In addition, candidates must have a very good command of the English language. The evaluation may also include a personal interview with the candidates.
It is required that candidates must provide the names of three professors from academia who can send recommendations for the candidate when asked

Funding: There is currently no funding available for this PhD position. However, partial financial support there may be offered for candidates qualified to: (a) offer work as teaching assistants, (b) offer administrative work in the department (c) to receive internal scholarships awarded by the university on the basis of their excellence, and (d) participate in future research programs related to this field

Research Advisor:
Name/Surname: Dr. Chryssoula Drouza
Position: Associate Professor
Email: +357 2500 2503

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Research Topic Title: Comparison of the microbiome of starter culture types to produce fermented dairy products (e.g., Kefir) and study of potential functional properties with a positive effect on well-being.

No. of Openings: 1(one)

Description: The microbiome of starter cultures is a source of microorganisms **(**bacteria and yeasts**)** whose properties (technological or otherwise) contribute to the production of products with functional properties (e.g., antimicrobial activity). Advanced methods of analysis and identification of microbiomes will be used, along with a simulated study of human digestion, to correlate the culture/microbiome type with functional properties in the human organism

Qualifications: Candidates for the above position must hold a BSc and a MSc degree from a recognized university in one of the following fields: Agricultural Sciences, Food Science and Technology, Microbiology, Biomedical Sciences, Clinical Dietetics, or another closely related discipline. Additionally, candidates must possess a very good knowledge of the English language. Previous relevant laboratory research experience will be considered an asset. The evaluation process will also include a personal interview with the short-listed applicants.

Funding: The PhD candidate can potentially be employed as a teaching assistant, receive an internal scholarship from the University or another source based on academic excellence, or participate in funded research programs that can secure financial support for them.

Research Advisor:

Name/Surname: Photis Papademas

Position: Associate Professor

Email: photis.papademas@cut.ac.cy