Georgios Paliouras

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DATE OF BIRTH:
07/03/2001

LANGUAGES

Greek, native

English, C2

Deutsch, B1

SKILLS

Python

Laboratory equipment

Research skills

Leadership

Good organization

EDUCATION

Plant Sciences, MSci
Agricultural University of Athens, Attica, Greece

I am currently pursuing a degree in Plant Science, with the selection of Floriculture and Landscape Architecture orientation.
My thesis focus is on proximal hyper-spectral imaging in agriculture, as well as the practical application of artificial intelligence and sensors in agriculture.

http://efp.aua.gr/en

OCTOBER 2019 - EXPECTED GRADUATION DATE: JULY 2024

EMPLOYMENT

Educator and Team Leader of SLP 2021/22/23
Science Conservation Education Center, Attica Zoo Park, Greece

https://www.atticapark.com/en

The Service Learning Program (SLP) offers a unique opportunity to delve into wildlife, natural habitats, and scientific learning. Through my involvement, I have gained significant knowledge and experience in various topics such as zoological and pedagogical theory and practice, effective leadership, communication, team-working, behavioral management and problem solving. Furthermore, I have developed my organizational skills while developing and implementing a timeline and delegating tasks to team members.

VOLUNTEERING PROJECTS

Wildlife Alliance Fundraising 2021

As a senior member of the SLP program and GAIA Greece-Israel, I was actively involved in a fundraising project. The project is organized in collaboration with the Non-profit organization ForPeace (https://forpeace.us/) and Wildlife Alliance (WA) (https://www.wildlifealliance.org/) in order to support the WA team during the pandemic of COVID-19 by selling snare bracelets.

AWARDS

Euro-Mediterranean Innovation Camp 2023

Issued by EuroMed University of Fes / Euro-Mediterranean University / Union for the Mediterranean · Mar - Jul 2023

https://emuni.si/innovationcamp/

Our team achieved first place in the competition, surpassing 200 participants. The focus of our research was the utilization of Si-photovoltaic panels in agricultural applications, known as agrivoltaics. Through my involvement in this research and business competition, I had the chance to enhance my skills in both Research & Development and the Business domain. We effectively conducted the required 4-month experiment in Fes (Morocco), yielding highly promising outcomes for the agrivoltaic sector.

Piraeus Blue Hackathon Day 2022

Issued by Municipality of Piraeus and University of Piraeus · Jun 2022

https://www.bluegrowthpiraeus.gr/blue-hachathon-day

Our team won first place in the competition and received an award of €2000. We presented our idea, which is based on the creation of a biomimetic model that would solve traffic congestion problems and would create a safer, more convenient and healthy environment for locals and visitors of densely populated, lively cities.

PUBLICATIONS

The upcoming papers (titles may undergo minor adjustments) are set to be published during the academic year 2023-2024, as a direct outcome of my thesis experiment carried out in the academic year 2022-2023. In my thesis, titled "Detection of Broccoli Water Stress using Proximal Hyperspectral Imaging" I collaborated with distinguished Professors from the Agricultural University of Athens, including Spyros Fountas, Panagiota Bresta, Dimosthenis Nikolopoulos, Giorgos Liakopoulos, and Panagiota Londra.

- Modelling Water Stress in broccoli Using Proximal Hyperspectral Imaging and Artificial Intelligence.
- Relationships between leaf chlorophyll fluorescence, photosynthesis and proximal hyperspectral imaging.
- Relative Water Content estimation on broccoli leaf using proximal hyperspectral imaging.

GREEK CONFERENCE PAPER ON PROCEEDINGS

G. Paliouras, G. Malounas, D. Nikolopoulos, G. Liakopoulos, P. Bresta, P. Londra, S. Fountas, 2023. Outdoor hyperspectral image acquisition system setup and validation. 13th Panhellenic Conference of the Society of Agricultural Engineers of Greece, Athens, Greece, October 19-20, 2023.