Short CV
Dr. Filippos Bantis – Assistant Professor of Vegetable Crops

Current affiliation:	Department of Agriculture, University of Patras
Address:	Nea Ktiria, 53200, Messolonghi, Greece
E-mail:	fbanths@gmail.com; fbantis@upatras.gr
Date of birth:	28/10/1989

## EDUCATION

- **2020:** PhD in the School of Agriculture, Aristotle University of Thessaloniki, Thessaloniki, Greece. <u>Subject</u>: Effects of light spectra from light-emitting diodes on the growth and quality of grafted watermelon seedlings
- **2022:** PhD in the Institute for Ecology, Evolution and Biodiversity, Goethe University, Frankfurt am Main. <u>Subject</u>: Assessing the physiology and growth of mature and young European oaks under aspects of climate change

## RESEARCH ACTIVITY

## • Main research interests:

- Light responses on plant propagation, physiology, morphology and secondary/primary metabolism
- > Supplemental lighting in the greenhouse industry for sustainable vegetable crop production
- Implementation of innovative technology for the optimization of seed germination and plant production
- > Determination of plant morphological, physiological and phytochemical status.
- Participation in **14 EU and domestic research projects** (e.g. FoResMit LIFE, Zephyr FP7, Regen-Forest – FP7, Biovalue – Horizon2020), and **4 COST Actions**.
- **2018-2019:** Participation in IKYDA research project (Greek-German institutions' collaboration)
- Nov 2014 and Nov 2015: Short scientific visits to Högskolan Dalarna University, Forestry department, Sweden.
- Extensive experience in plant morphological, physiological and phytochemical status determination

## PUBLICATIONS

- 33 peer-reviewed papers in scientific journals, four of which are indicatively mentioned:
  - Bantis F, Smirnakou S, Ouzounis T, Koukounaras A, Ntagkas N, Radoglou K. 2018. Current status and recent achievements in the field of horticulture with the use of light-emitting diodes (LEDs). Scientia Horticulturae, 235:437-451
  - Bantis F, Panteris E, Dangitsis C, Carrera E, Koukounaras A. 2021. Blue light promotes hormonal induced vascular reconnection, while red light boosts the physiological response and quality of grafted watermelon seedlings. Scientific Reports, 11, 21754
  - Melissas C, Bantis F, Dangitsis C, Kostas S, Koukounaras A. 2022. Proposed light wavelengths during healing of grafted tomato seedlings enhance their adaptation to transplant shock. Agriculture, 12, 797
  - Bantis F, Koukounaras A. 2023. The Use of High-Quality Watermelon Seedlings Is Prerequisite to Limit the Transplanting Shock and Achieve Yield Earliness. Horticulturae, 9, 943
- 33 oral or poster presentations in international (20) and national (13) scientific conferences
- More than 600 citations (https://www.scopus.com/authid/detail.uri?authorId=57046051600)

Proofs of all the contents of the present curriculum vitae can be provided upon request