
CONTACT

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LinkedIn : Christos Mitsanis

SKILLS

- Knowledge of Programming
- Plant modelling
- 3D modelling
- Quickly estimate problem in a field
- Fast learner and adjustment in every situation.
- Proficient Communicator
- English language knowledge: Advanced
- Greek language knowledge: Native
- Interests: Plant modelling, Artificial intelligence in agriculture, Digital Twins, Precision Agriculture, Programming, New technologies of farming, Virtual reality.

CHRISTOS MITSANIS

PROFESSIONAL SUMMARY

I am a PhD student working on creating gene networks to leverage prior knowledge, with significant implications for breeding. Previously, during my master's, I focused on functional structural plant modeling, exploring the intricate relationships within plants. In my free time, I enjoy 3D modeling in Blender, combining my scientific insights with creative visualization and creative writing.

WORK HISTORY

Hydroponic system Assistant 07/2018 to 09/2018
AGRIS A.E - KLEIDI, IMANTHIAS

- Supported Chief agricultural scientist with daily operational functions.
- Record of many characteristics in hydroponic cultivation in aid for experiment in hydroponic substrates.
- Cultivation practice in hydroponic greenhouse.

Assistant at Research Office of Informatics 09/2019 to 04/2020
Greek Army - EDESSA, PELLA

- Delivered an exceptional level of service to each customer by listening to concerns and answering questions, concerning the use of MS Office and other programs.
- Created boardroom multimedia presentations (MS Office) including videos.
- Management and maintenance of a local network area.
- Hardware and Software management of a significant number of computer units.

Student Assistant in Advance statistics 09/2022 to 11/2022
Wageningen University - Wageningen

- Help students with tutorials in R studio on how to do statistical analysis and interpret the results.
- Supervision of students.

Teaching Assistant in modelling for biological systems 11/2022 to 01/2023
Wageningen University - Wageningen

- Help students with tutorials in python on how to program models for biological systems.
- Giving feedback about application exercises and grade their work.

- Help students with tutorials in R studio on how to do statistical analysis and interpret the results.
- Supervision of students.

EDUCATION

PhD in Plant Modelling – QUEENSLAND (QUEENSLAND UNIVERSITY)

- Start date: 01/2024 End date (expected) 06/2027.

Thesis Title: “CONNECTING GENE NETWORKS TO CROP MODELS TO LEVERAGE PRIOR KNOWELDGE FOR CROP BREEDING”

Master’s in plant science – WAGENINGEN (WAGENINGEN UNIVERSITY)

- Start date: 09/2021 End date: 08/2023
- GPA: 8.3/10

Thesis Title: “MODELLING BRANCHING RESPONSES TO PRUNING IN APPLE BASED ON AUXIN PHYSIOLOGY”
(GRADE:8/10)

Bachelor’s with integrated master’s in agriculture science - THESSALONIKI (ARISTOTLE UNIVERSITY OF THESSALONIKI)

- Start date: 09/2014 – End date: 11/2019
- GPA: 8.16/10

Diploma Thesis Title: “HOW ARE THE QUALITY CHARACTERISTICS OF TOMATO FRUITS AFFECTED IN RELATION TO THE CROP SUBSTRATE, THE HARVEST SEAOSON AND THE SHAPE CONFIGURATION” (GRADE:10/10)

ACHIEVMENTS

Publication

Mitsanis, C., Aktsoglou, D. C., Koukounaras, A., Tsouvaltzis, P., Koufakis, T., Gerasopoulos, D., & Siomos, A. S. (2021). Functional, Flavor and Visual Traits of Hydroponically Produced Tomato Fruit in Relation to Substrate, Plant Training System and Harvesting Time. *Horticulturae*, 7(9), 311.

Mitsanis, C., Hurst, W., & Tekinerdogan, B. (2024). A 3D functional plant modelling framework for agricultural digital twins. *Computers and Electronics in Agriculture*, 218, 108733.

Scholarships

Graduate School Scholarship (UQGSS) 2024-2027

