

# MARIOS VALMAS

## CONTACT

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## QUALIFICATIONS

- Pedagogical and teaching competence
- Knowledge of computer operation

## LANGUAGES

Greek: native

English: fluent

## EDUCATION

### PhD candidate (May 2023 - Present)

Plant and Environmental Biotechnology laboratory. PhD thesis theme: "Pathogenicity and environment: risk of dispersal of pathogens and antimicrobial resistance", supervised by Prof. Sotirios Vasileiadis. Department of Biochemistry and Biotechnology, University of Thessaly, Greece.

### MSc degree (October 2021- April 2023)

"Applications of Molecular Biology - Molecular Genetics - Diagnostic Biomarkers". Department of Biochemistry and Biotechnology, University of Thessaly, Greece.

### BSc degree in Biochemistry and Biotechnology (October 2016 - April 2021)

University of Thessaly, Greece.

## LABORATORY EXPERIENCE

### MSc thesis (September 2022 - March 2023)

"Study of the miR2111 involvement in the autoregulation of mycorrhizal symbiosis"

Plant and Environmental Biotechnology laboratory, Department of Biochemistry and Biotechnology, University of Thessaly, Greece.

Laboratory techniques: plant DNA/RNA extraction, PCR/RT-PCR/qPCR, microscopy, bacterial cloning, bacterial plasmid isolation, *Agrobacterium rhizogenes* mediated hairy-root transformation

### BSc thesis (February 2020 - September 2020)

"Isolation protocol of an alternative splice variant of poly(A)-specific ribonuclease"

Structural and Functional Biochemistry laboratory, Department of Biochemistry and Biotechnology, University of Thessaly, Greece.

Laboratory techniques: protein overexpression/isolation/purification, Western blot, bacterial cloning, enzymatic activity analysis

## PUBLICATIONS

**Valmas MI**, Sexauer M, Markmann K, Tsikou D (2023). Plants Recruit Peptides and Micro RNAs to Regulate Nutrient Acquisition from Soil and Symbiosis. *Plants*, 12, 187, <https://doi.org/10.3390/plants12010187>

## CONFERENCE ATTEDANCE

69th Panhellenic Conference of the Hellenic Society of Biochemistry and Molecular Biology, 23-25 November 2018, Larisa, Greece.