

STEFANOS MASTIS

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stefanosmastis@yahoo.gr

EDUCATION

2012-2015

HIGH SCHOOL EDUCATION, 1ST HIGH SCHOOL OF RHODES, GREECE

Grade: Excellent (18.6/20)

2016-2021

BSc IN BIOLOGY, UNIVERSITY OF CRETE, GREECE, DEPARTMENT OF BIOLOGY

Grade: 8.21/10 (Very Good)

Direction: Biomolecular sciences and Biotechnology

2021-2022

MSc IN PLANT MOLECULAR AND APPLIED BIOLOGY - GREEN

BIOTECHNOLOGY, UNIVERSITY OF CRETE, GREECE, DEPARTMENT OF BIOLOGY

Grade: 9.66/10 (Excellent)

LANGUAGE SKILLS

- Native Language: Greek
- Foreign Language: English (C2 Level)

COMPUTING SKILLS

- Microsoft Word
- Microsoft Powerpoint
- Microsoft Excel
- Familiar with R programming language
- Familiar with Jalview, LASX, SnapGene, Bioedit and PoloPlus

LAB SKILLS

- Gateway Recombinational Cloning
- Restriction digestions and electrophoresis
- E. coli, P.pastoris and Agro-transformation
- Plasmid Isolation
- SDS-PAGE
- Western blot
- Floral dip
- Running lab scale bioreactors
- PCR, Gradient-PCR, RT-PCR
- Bradford assay
- Insect rearing (Bactrocera oleae, Spodoptera littoralis, Helicoverpa armigera, Culex pipiens)
- DNA and RNA extraction from insects
- IMAC (Chromatography)
- Insect bioassays (with chemical and microbial insecticides)
- Agroinfiltration

OTHER SKILLS

- Ability to work in a team
- Organising and planning skills
- Responsibility
- Enjoying new challenges

PERSONAL INTERESTS

- Molecular Entomology
- Biotechnology
- Insecticide Resistance
- Plant Physiology
- Plant biotic and abiotic interactions
- Insect-microbial interactions

WORK EXPERIENCE

SEPTEMBER 2020 - OCTOBER 2021

UNDERGRADUATE STUDENT

Carried out Bachelor's Thesis, entitled "Study of the colocalization of the ESCRT Complex protein ALIX, with the PBs in Arabidopsis thaliana plant"

FEBRUARY 2022 - MARCH 2022

MSC STUDENT

Lab assistant for the Plant Physiology Undergraduate Labs

FEBRUARY 2022 - DECEMBER 2022

MSC STUDENT

Carried out **MASTER'S** Thesis, entitled "Investigating the resistance mechanism of Bactrocera oleae to Spinosad and alternative methods of control based on microbial bioinsecticides"

MARCH 2023 - JUNE 2023

ERASMUS+ SCHOLARSHIP

Project Title: "Research into the Development of peptide-based molecules for novel crop protection strategies"

HOBBIES

- Cinema
- Playing Guitar, Bass
- Basketball
- Tae-kwon-do athlete (2003-2008)