


IFTAH MARASH

CONTACT

0524-802-620

Iftahm13@gmail.com

 <https://www.linkedin.co/in/iftahmarash/>

SKILLS

- Gel electrophoresis
- DNA, RNA and protein extractions from plants and bacteria
- Plant cultivation
- Seed extraction and treatment
- Growing microbe cultures and CFU measurement
- Real-time RT-PCR
- Western Blot
- CRISPR
- Tissue culture
- VIGS
- Pathogenesis assays
- Plant defense response assays
- Confocal microscopy
- Statical analysis

PUBLICATIONS

- Marash, Iftah, et al. "Abolishing ARF8A activity promotes disease resistance in tomato."
- Marash, Iftah, et al. "TOR coordinates Cytokinin and Gibberellin signals mediating development and defense." *Plant, Cell & Environment* 47.2 (2024): 629-650. APA
- Marash, Iftah, et al. "TOR inhibition primes immunity and pathogen resistance in tomato in a salicylic acid-dependent manner." *Molecular Plant Pathology* 23.7 (2022): 1035-1047.

LANGUAGE

Hebrew – Native speaker

English – Highly proficient

PROFESSIONAL PROFILE

A Molecular Biologist specializing in plant pathology and defense, with a robust background in molecular biology techniques. Recognized for my proactive teamwork and drive, I leverage practical expertise to advance project outcomes. Thriving in dynamic settings, I am adept at fostering innovation and enhancing productivity.

WORK EXPERIENCE

Research assistant at Prof. David Weiss Lab

2014

- Plant tissue culture media and plant preparation
- Greenhouse plant cultivation and maintenance

Research assistant at Prof. Neomi Ori

2018

- Plant tissue culture media preparation
- Greenhouse plant cultivation and maintenance
- Seed extraction and treatment

EDUCATION

PhD. in Plant sciences

2019-present

Ph.D. in plant sciences in the laboratory of Dr. Maya Bar studying "The role of target of Rapamycin in plant immunity"
Department of Plant Pathology and Weed Research, Agricultural Research Organization, Volcani center.

MSc. in Plant sciences

2017-2018

M.Sc. in plant sciences in the laboratory of Prof. David Weiss studying "The effect of different CK levels in tomato rootstocks on salinity and drought. "
The Robert H Smith Faculty of Agriculture, Food and Environment, Hebrew university in Jerusalem

B.Sc. in Plant sciences

2014-2016

The Robert H Smith Faculty of Agriculture, Food and Environment, Hebrew university in Jerusalem