

AGRICULTURE

PP001

Mitochondrial Ef-Tu: a Trump Card in pathogenesis of *Verticillium dahliae*

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PP003

Mycoflora and mycotoxin characterisation of berries cultivated in Mediterranean farms

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PP004

Impact of nitrification inhibitors on the soil microbial community after repeated exposure: a soil microcosm story.

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PP005

Elimination of Olive Leaf Spot disease by Mg(OH)₂ Porous Microparticle treatment

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PP006

Species-specific skin microbiome in gilthead seabream and European seabass is strongly influenced by the rearing location

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PP007

SYNERGISTIC EFFECTS OF COMBINED USE OF MICROBIAL INOCULA AND METABOLITES ON THE STRESS RESPONSE OF TOMATO PLANTS UNDER FIELD CONDITIONS

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PP010

PHYLOTYPING OF VIBRIO HARVEYI STRAINS ISOLATED FROM DISEASED FISH FROM GREEK AQUACULTURE OUTBREAKS

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PP011

New bio-based tools to control Bactrocera oleae (Diptera, Tephritidae) and elucidation of their mode of action

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PP012

Identifying the key determinants, cultivar or terroir units, of the carpospheric grapevine microbiome in the viticultural zone of Drama

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PP013

GUT BACTERIAL DIVERSITY OF INSECTICIDE-SUSCEPTIBLE AND -RESISTANT STRAINS OF THE MEDITERRANEAN FRUIT FLY CERATITIS CAPITATA AND A POSSIBLE RELATIONSHIP WITH INSECTICIDE RESISTANCE

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PP014

SUPPRESSION OF VERTICILLIUM DAHLIAE AND PROMOTION OF PLANT GROWTH IN EGGPLANTS THROUGH COMBINED APPLICATION OF COMPOST TEA AND ERWINIA RHAPONTICI

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PP015

Cross-talk of Abscisic acid and Ethylene -mediated pathways in the interaction of tomato plant with the beneficial fungus Fusarium solani strain K

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PP016

Three newly acquired mycophilic genomes elucidate the fungicolous secondary metabolism: a comparative study

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PP017

EXPLORING THE BIOCHEMICAL MODE OF ACTION AND SPECTRUM OF ACTIVITY OF SYNTHETIC AND BIOLOGICAL NITRIFICATION INHIBITORS

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PP018**Studies on the role of Bacillus subtilis cyclophilin in bacterial growth and development**

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PP019**Oxytetracycline treatment led to persistent gut microbiome dysbiosis, the rise of parasites and growth impairment of European Sea Bass in open sea aquaculture.**

Dimitris Rigas ¹, Nikos Grivas ¹, **Elena Gata ²**, Aikaterini Nelli ², Evangelia Gouva ², Ioannis Skoufos ², Konstantinos Kormas ^{3,4} Athina Tzora ², and Ilias Lagkouvardos ^{2,5,*}

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PP020**Forecasting and protecting fruit crops from frost damage: the EU/LIFE FrostDefend project**

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PP022**Characterization and use of plant growth promoting bacteria from vineyard soils**

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PP024

Development of a fast-track/ high throughput screening assay on soil ammonia-oxidizing bacteria for the discovery of novel biological nitrification inhibitors

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PP025

Evaluation of biological and synthetic plant protection products against the pathogen *Taphrina deformans* causing peach leaf curl

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PP026

Preliminary results on the relative abundance of certain functional groups of microorganisms present in the rhizosphere of herbicide-resistant and non-resistant weeds

Io Kefalogianni¹, Nikos Kaperdas¹, Ilias Travlos¹, Giorgos Zervakis¹

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PP027

SEASONAL SHIFTS IN SOIL MICROBIOME STRUCTURE ARE ASSOCIATED WITH THE CULTIVATION OF THE LOCAL RUNNER BEAN VARIETY AROUND THE LAKE MIKRI PRESPA

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PP028

The suppressive effect of bacterial strains isolated from halophytes against important plant pathogens

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PP029**EVALUATION OF THE IMPACT OF SYNTHETIC AND BIOLOGICAL NITRIFICATION INHIBITORS ON THE COMPOSITION AND ACTIVITY OF THE SOIL MICROBIAL COMMUNITY AND THE EMISSIONS OF GREENHOUSE GASES**

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PP030**Bacterial community structure and functioning in Cyprus vineyard ecosystem**

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PP031**ENHANCEMENT OF PRODUCTION OF PATHOGEN SUPPRESSING VOLATILES BY PRECURSOR MOLECULES: TOWARDS SUSTAINBLE CONTROL OF SOILBORNE DISEASES**

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PP032**Combining Rhizogloinus irregulare QS69 with systemin results in better control of tomato pests**

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PP033**USING KNOWLEDGE FROM WILD RELATIVES OF PLANTS TO COMBAT SOILBORNE PHYTOPATHOGENS**

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PP034**Do ammonia oxidizers adapt to nitrification inhibitors upon repeated exposure? First evidence from in vitro assessment.**

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PP035

Exploring the potential of plant-derived terpenoids as biological nitrification inhibitors

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PP038

Genomic analysis of Nontuberculous Mycobacteria (NTM) highlights the potential of reverse vaccinology in aquaculture.

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PP039

Assessment of population viability in compost enriched with nitrogen-fixing bacteria stored at ambient and low temperature

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PP040

COMBINED APPLICATION OF COMPOST AND PLANT GROWTH PROMOTING BACTERIA IMPROVES GROWTH AND NUTRIENT UPTAKE BY LETTUCE PLANTS GROWN UNDER THREE DIFFERENT PHOSPHORUS SOURCES.

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PP041

Tripartite association between legumes, nitrogen-fixing rhizobia and arbuscular mycorrhizal fungi: deciphering the microbial interactions

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PP042

Comparison of secondary metabolite biosynthetic clusters between pathogenic and non-pathogenic fungi: The case of the endophytic fungus *Fusarium solani* strain K.

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PP043

Characterization of *Colletotrichum* spp. from olive for growth under different temperatures and virulence on flowers

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PP044

Towards the development of a novel biostimulant for use in sustainable cultivation of horticultural crops.

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PP045

DEVELOPMENT OF MULTIPLEX SSR APPROACHES AND HRM MARKERS FOR THE ACCURATE GENOTYPING OF TAPHRINA DEFORMANS POPULATIONS IN GREEK PEACH ORCHARDS

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PP045a

Plant growth promoting rhizobacteria produce volatiles with potential activity against *Verticillium dahliae*

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PP045b

Mycorrhiza-assisted phytoremediation potential of hemp: Preliminary results of a field experiment

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PP045c

Plant-mediated effects of beneficial soil microbes on herbivore populations in the greenhouse

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