

Tuesday September 20th, 2022

SABB2022_day 1_biostimulants

registration

welcome

KN Patrick Brown

Biostimulant and nutrient use efficiency

speaker Caroline De Tender

Chitin-induced growth promotion: an alternative for mineral fertilizers and an inducer of the rhizosphere microbiome in soilless cultivation

speaker Lara Van Dijck

Assessing the role of root-exuded coumarins in shaping host - microbiome interactions

BREAK (25 min)

IS Cinzia M. Berteà

tba

speaker Caroline Van Beirs

The auxin transport inhibitor cis-cinnamic acid is a natural plant growth-promoting compound

speaker Salomé Lengrand

Are endophytic bacteria involved in increasing plant drought tolerance provided by humic and fulvic acids application?

speaker Seppe Top

Seaweed biostimulants affect sap flow and stem diameter variation in tomato (*Solanum lycopersicum*)

LUNCHBREAK (+- 90 min)

SABB2022_day 1_biostipesticides

KN Vassilis Fotopoulos

Plant and seed priming as 'green' tools for sustainable agriculture under a changing climate

KN Corina Vlot-Schuster

Airborne defense cues drive plant-microbe interactions to promote plant health

speaker Catherine Michaux

tba

speaker Willem Desmedt

Transient phenylpropanoid pathway perturbation triggers an induced resistance response in plants

speaker Junli Wang

A link between glutamate receptor like proteins and host cell death in plant immunity

speaker Eva Degroote

Cold water extract of Cucurbitaceae as basis for future nematode control agents

BREAK (30 min)

KN Federica Locci

Sensing the danger: a confluent view of plant innate immunity

IS Ali Siah

tba

speaker Jaap Wolters

Tetraose glycoalkaloids from potato can provide complete protection against fungi and insects

speaker Halimat Ogunsanya

BIO4FOOD: Crop waste-derived biostimulant for nutrient-rich food

pitch Lena Ons

Repurposing of known agrochemicals : 2,4-dichlorophenoxyacetic acid at low non-herbicidal concentrations as a potent inducer of plant resistance

pitch Kilian Van Loocke

Biocontrol potential of *Bacillus* and *Pseudomonas* strains towards *Phytophthora* root rot in hydroponic lettuce cultivation

pitch Jing Li

BioSUNmulant – From sunflower stems to fibre, biostimulant and bioprotectant

pitch Noémie De Zutter

Automated phenotyping platforms are an indispensable tool to evaluate the effects of biostimulants and biocontrol products

pitch Yinwei Zeng

Stimulation of adventitious rooting in hypocotyls with a highly selective synthetic auxin like molecule

pitch Johan Yssel

Impact of seaweed extracts on *Vitis vinifera* L. Chardonnay under cool climatic conditions

pitch Giulia Forghieri

Development of Bio-formulation for Nutrient Uptake Optimization by Crops

poster session

Wednesday September 21st, 2022

SABB2022_day 2_biostimulants

KN	Giuseppe Colla	Biostimulant development: a journey of discovering new protein hydrolysates from lab to field
speaker	Jing Li	A Meta-Analysis of Biostimulant Yield Effectiveness in Field Trials
speaker	Marco Zarattini	LPMO-oxidized CelloOligosaccharides enhance resistance towards the fungus <i>B. cinerea</i> and Heat Stress conditions in Arabidopsis.
speaker	Stéphanie Vandionant	Woody biochar as biostimulant: Molecular and vegetative benefits in cadmium-contaminated medium
speaker	Veronica Santoro	Strigolactones and ethylene interaction in controlling tomato plants acclimation to phosphorus deficiency

BREAK (25 min)

KN	Kris Audenaert	tba
IS	Francesco Magro	Plant methods for the characterization of plant biostimulant effects
speaker	Kris Kunnen	Don't waste your waste: how waste of microgreens cultivations becomes a resource for coconut coir-based biochar, possibly increasing substrate and product quality along the way.
speaker	Martin Quiévreux	Testing biostimulants to validate the claims through multi-scale assays and a meta-analysis
pitch	Halimat Ogunsanya	Biostimulant activity in extracts from Belgian endive roots
pitch	Clara Piccinini	Two different biostimulants enhanced Arabidopsis thaliana's tolerance to hypoxia.
pitch	Paulien De Clercq	Effect of seaweed-based biostimulants on growth and development of <i>Hydrangea paniculata</i> under drought stress

LUNCHBREAK (+- 90 min)

SABB2022_day 2_biostipesticides

KN	Uwe Conrath	Priming plants for enhanced defense
KN	Pierre Van Cutsem	Differential response of dicots vs monocots after elicitation by COS-OGA – how does it fit into plant metabolism?
IS	Ivan Visentin	Strigolactones: phytohormones with a potential for agrochemical manipulation of crop performances
speaker	Simona Masiero	CYCLIC: a game changing library for the isolation of cyclic antimicrobial peptides for a sustainable agriculture
speaker	Satish Namdeo Chavan	Dehydroascorbate: A novel resistance-inducing stimulus against root-knot nematode <i>Meloidogyne graminicola</i>
pitch	Brechtje de Haas	Microbiome of hydroponic lettuce is stable under different light qualities
pitch	Xinquan Hu	Tracing back potential PGPRs in the root-associated bacterial communities of growth-promoted hydroponic plants
pitch	Jasmine De Rop	Incorporation of <i>Rhizobium leguminosarum</i> and <i>Pseudomonas</i> spp. in seed encrustings for nitrogen fixation and biological control in <i>Phaseolus vulgaris</i> L
pitch	José Nalasco	Bringing ultra-efficient biostimulant applications into agricultural practice

BREAK (25 min)

SABB2022_day 2_workshop

IS	Guillaume Wegria	
speaker	Jan Geerinck	Evoca TM, the first biofungicide developed on the ground-breaking Biotalys AGROBODY Foundry TM platform.
speaker	Camila Levy	BIOTOOL, innovative tool for the biostimulant's mode of action identification and their behaviour under water use efficiency
speaker	Cristina Sudiro	Investigations on the efficacy and mechanism of action of a candidate phytosanitary product against the grapevine downy mildew agent <i>Plasmopara viticola</i>
speaker	Sandro Frati	Natamycin, a new natural fungicide for post-harvest: opportunities and challenges
speaker	Chiara Pituello	A controlled release biostimulant based on hydrolyzed protein: release modulation and preliminary results in vineyard application
poster session		

Thursday September 22nd, 2022

SABB2022_day 3_workshop

workshop	EBIC
workshop	ILVO
workshop	Arche Consulting
workshop	CerTrust
workshop	FieldFisher

SABB2022_day 3_excursion

11:00 AM excursion (return +- 5:30 PM)