

POSTER PROGRAMME

- 1. Methods for measuring nutrient mineralization in growing media with organic fertilizers incorporated**
Karl-Johan Bergstrand, Hakan Asp
- 2. Effect of an adapted fertigation strategy on the quality of tomatoes and growth of tomato plants with organic and inorganic nitrogen sources in soilless culture systems**
Oliver Grunert, Dirk Reheul, Marie-Christine Van Labeke, Nico Boon
- 3. Reducing sodium accumulation in the root environment of closed tomato cultivations through a split root system**
Tommaso Barbagli, Wim Voogt
- 4. Trichoderma is an effective biological alternative to reduce fungicide use in Phalaenopsis young plants grown in organic plugs**
Soraya França, Hanne Poelmans, Arne Steelandt
- 5. Circularity in practice: reusing restaurant waste for in-house vegetable production**
Hakan Asp, Karl-Johan Bergstrand, Malin Hultberg
- 6. Fen plant biomass as growing media constituent - cultivation of Pelargonium zonale and Begonia x hiemalis in peat reduced mixtures with composted fen plant biomass**
Christina Hartung, Elke Meinken
- 7. Plant availability of phosphorus in recycled fertilizers from wastewater treatment - effect of grain size**
Dieter Lohr, Daniel Hauck, Johannes Max, Elke Meinken
- 8. A Trichoderma-based biostimulant enhances Impatiens walleriana growth and flowering in different growing media**
Sonia Cacini, Alessandro Orlandini, Massimo Brambilla, Gianluca Burchi, Maurizio Cutini, Marco Fedrizzi, Daniele Massa, Valentina Ceccarelli, Mariateresa Cardarelli
- 9. Sustainable substrates for agriculture from dredged remediated marine sediments: from ports to pots (LIFE 17 ENV/IT/000347)**
Sonia Cacini, Francesca Tozzi, Adelaide Turchi, Maurizio Antonetti, Domenico Prisa, Gianluca Burchi, Maria Castellani, Stefania Nin
- 10. Horti-BlueC decision tool for processing residual materials into building blocks for growing media**
Bart Vandecasteele, Fien Amery
- 11. Cultivars of blackberry and raspberry differently shape rootzone microbiome during cultivation in organic substrate**
Marta Streminska, Hwei Ming Huisman, Jan Janse

- 12. Microbial diversity and activity in the rootzone of a cucumber crop influenced by biologically produced fertilizers, additives and growing media**
Marta Streminska, Barbara Eveleens-Clark, Gerdt Greve, Chris Blok, Hwei Ming Huisman, Nina Oud, Pieter de Visser
- 13. Relationship between microbial community during composting and suppressive activity against Pythium of agri-food composts as component of growing media for baby-leaf lettuce production**
Juan A. Fernandez, Alicia Hernández, Raúl Moral, María Dolores Pérez-Murcia, Marian A. Bustamante, Catalina Egea-Gilabert, José A. Pascual, Margarita Ros
- 14. Water dynamics of stratified substrate systems under single and cyclic irrigation schedules**
Jeb Fields, Kristopher Criscione, James Owen
- 15. Evaluation of five organic substrates compared to perlite for cucumber growth in the Dutch bucket hydroponic system**
James Altland, Teng Yang, Uttara Samarakoon
- 16. Sustainable growing media blends with woody green composts: optimizing the N release with organic fertilizers**
Bart Vandecasteele, Maxim Rooseleer, Elke Vandaele
- 17. Amending Butterhead Lettuce and Briso Tomato with Recycled Shellfish Waste to Improve Yield and Antioxidant Activity**
Edward Collins
- 18. Biochar type and ratio as a peat additive in growing media for lettuce seedling production**
Nikolaos Tzortzakis, Antonios Chrysargyris, Munoo Prasad, Anna Kavanagh
- 19. Municipal solid waste compost used as a growing media component for tomato seedlings production**
Nikolaos Tzortzakis, Antonios Chrysargyris
- 20. Compost quality characteristics: how are they related to each other and to composting practices?**
Fien Amery, Elke Vandaele, Hans Smeets, Margita Hefner, Kenneth Loades, Roy Neilson, Ina Körner, Koen Willekens
- 21. An experimentally validated selection protocol for biochar as a sustainable component in green roofs**
Ann Cuyppers, Tom Haeldermans, Jeamichel Puente Torres, Dries Vandamme, Kenny Vanreppelen, Sonja Schreurs
- 22. Screening biochars for their effect on plant growth**
Ingeborg Pecqueur, Ann Cuyppers, Dries Vandamme, Marijke Jozefczak, Amine Lataf, Stéphanie Vandionant



GrowingMedia2021 – International Symposium on Growing Media, Soilless Cultivation, and Compost Utilization in Horticulture

22-27 August 2021, Ghent, Belgium

- 23. Influence of compost characteristics and compost:soil ratio on soil properties and growth of garden bean**
Fien Amery, Frederik Gerits, Judith Huygens, Koen Willekens
- 24. Towards a peat-free horticulture in Europe**
Marie Ohmes, Andrew Gallik, Jacques Fuchs, Jacques Fuchs, Ute Vogler
- 25. Effect of 3D patterning in hydrogel substrates for soilless cultivation**
Livia Kalossaka, Maddalena Salvalaio, Connor Myant, Giovanni Sena
- 26. Opportunities and Challenges to Implementing Stratified Substrates in Soilless Culture of Economically Significant Crops**
James Owen, Jeb Fields, James Allland, Christopher Marble, Tyler Hoskins, Julie Brindley