COST ACTION GREENERING – DATA COLLECTION

First name, Family Name: Marko Vinceković
Type (Academic or Industrial): Academic
Country: Croatia
Leadership position in the COST: MC Member of CA18224, Participant of CA15223 iPLANTA, Participant of CA18210, Oxygen sensing a novel mean for biology and technology of fruit quality, Participant of CA18229, Non-conventional yeasts for the production of bio products.

Working Group in which you are involved: WG4 and WG1
E-mail: mvincekovic@agr.hr or markec30@gmail.com

Laboratory/Company: University of Zagreb Faculty of Agriculture, Department of Agroecology, Department of Chemistry, Zagreb, Croatia

Laboratory/Company info:
Scientific Laboratory of Department of Agroecology is an organizational unit of University of Zagreb Faculty of Agriculture, Department of Chemistry operates in close collaboration with other laboratories of the faculty and Institutes. Personnel: 3 researchers and leading researchers, 2 Ph.D. students,

Link to the home page of the Laboratory/Company:
http://www.agr.unizg.hr/en/article/343/

Fields of expertise:
- Encapsulation of bioactive components for plant protection and nutrition,
- Encapsulation of bioactive components for human and animal food
- Environmental applications of microcapsules, microspheres,
- Extraction of bioactive components from different samples
- Interaction between surfactants and biopolymer

5 Main publications or patents:
- Fathi, Milad; Vinceković, Marko; Jurić, Slaven; Viskić, Marko; Režek Jambrak, Anet; Donsì, Francesco Food-Grade Colloidal Systems for the Delivery of Essential Oils // Food reviews international (2019) doi:https://.org/10.1080/87559129.2019.1687514 V.
- Vinceković, Marko; Vlahoviček Kahlina, Kristina; Jurić, Slaven Trends in Agricultural Production: Microencapsulation // Novel Techniques in Nutrition and Food Science, 4 (2019), 2; 324-325 doi:10.31031/NTNF.2019.04.000583
- Krznarić, Dora; Lenkert, Bernarda; Puljko, Ana; Jurić, Slaven; Vinceković, Marko; Kajić, Sanja, The Storage Efficiency of Immobilized Bradyrhizobium japonicum Strain Using Encapsulation Method // Contemporary Agriculture, 68 (2019), 1-2; 43-50 doi:10.2478/contagri-2019-0008
- Jurić, Slaven; Šegota, Suzana; Vinceković, Marko

Influence of surface morphology and structure of alginate microparticles on the bioactive agents release behavior // Carbohydrate polymers, 218 (2019), 234-242 doi:10.1016/j.carbpol.2019.04.096
Jurić, Slaven; Đermić, Edyta; Topolovec- Pintarić, Snježana; Bedek, Marta; Vinceković, MarkoPhysicochemical properties and release characteristics of calcium alginate microspheres loaded with *Trichoderma viride* spores // Journal of Integrative Agriculture, 18 (2019), 2534-2548 doi:10.1016/S2095-3119(19)62634-1

Collaborations:
Institut Ridjer Bošković, Zagreb, Croatia, University of Novi Sad Faculty of Technology, Novi Sad, Serbia, Universidad Autonoma de Mexico, Institute of Physics, Laboratory of complex fluids, Mexico city, Mexico.

Facilities:
- Encapsulator B-390,
- Silverson Laboratory Mixers
- Equipment and tools for ultrasonic extraction,
- Equipment and tools for Soxhlet extraction
- GC/FID
- GC/FID/NPD
- Etc.