

SC2 and KET-B Brokerage Event

Food Security | Sustainable Agriculture and Forestry | Marine, Maritime
and Inland Water Research | Bioeconomy | KET-Biotechnology |

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Sustainable Food Security

New biopolymer microspheres/microcapsules for plant nutrition/protection in functional food production

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www.ncp-biohorizon.net

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 #BioBrokerage

Project idea / Company expertise



Company expertise:

http://www.agr.unizg.hr/en/category/about_us/1

The project idea:

Production of new biofertilizers based on biological and chemical agents or other synthesized compounds

An indication of the existing partnership/consortium:

University of Zagreb Faculty of Agriculture, University of Zagreb Faculty of Biotechnology, University of Salerno, University of Valencia, University of Novi Sad Faculty of Technology.....and other partners

The requirements for additional partner(s);

expertise in micro and nano-encapsulation, expertise in organic farming, expertise in organic synthesis, expertise in fungal encapsulation



BIOTEC-02-2019: Boosting the efficiency of photosynthesis (RIA)

SFS-04A-2019: Integrated health approaches and alternatives to pesticide use. [A] Integration of plant protection in a global health approach (RIA)

SFS-05-2019: New and emerging risks to plant health (RIA)

CE-RUR-08B-2019: Closing nutrient cycles. [B] Bio-based fertilisers from animal manure (IA)

RUR-16-2019: Fuelling the potential of advisors for innovation (CSA)

CE-SFS-39-2019: High-quality organic fertilisers from biogas digestate (IA)

Keywords: encapsulation, microspheres/microcapsules, plant protection/nutrition

Involvement in previous/ongoing projects in the area:

- 1) New biopolymer based microcapsules for plant protection/nutrition agents controlled release "NewBioCaps,, Croatian Science Foundation,
- 2) High voltage discharges for green solvent extraction of bioactive compounds from Mediterranean herbs – “GREENVOLTEX”, Croatian Science Foundation,
- 3) Scientific-practical bases of microencapsulation of bioactive substances and principally new stimulators of plant development with the purpose of agricultural production intensification, The Ministry of Education and Science of the Republic of Kazakhstan.



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