



Encapsulation Technologies:

Free Workshop/Training

Organized by

ERA Chair for Food (By) Products Valorisation Technologies (VALORTECH at EMU)

April 19th, 2022 - 10:00 to 16:30 Estonian Time

On-line lectures (in English) open for students, scientists, stakeholders, and public

On-site practical training (in Estonian) open for all stakeholders

**Venue: Competence Centre PlantValor, Polli Horticultural Research Centre,
Uus 2, Polli, Viljandi County Estonia**

Overview:

The workshop introduces basic principles of common encapsulation techniques and formulations along with the current state of the art, advantages and disadvantages of encapsulation. Examples and case studies of the application of encapsulation in food industry will be presented. The on-site training participants will be introduced to the use and maintenance of spray dry equipment and a practical training of encapsulation using a BUCHI B-290 Spray Dryer.

The on-line lectures of the workshop will cover:

- Basic principles of encapsulation techniques
- Assessment of encapsulation efficiency to improve the stability

On-site training target group/ Who will benefit from this training:

- This training is open for stakeholders in Agriculture, Food Science & Technology, and Horticultural science (max 10 participants).

Way of learning:

On-line lectures. On-site training at PlantValor Competence Centre, Polli Horticultural Research Centre

Language of instruction:

English (lectures) and Estonian (practical lab)

Content of the course and Schedule for on-site training participants (Estonian time):

9.15 Arrival in Polli

9.30 Welcome coffee

10.00 Welcome note. *Rajeev Bhat*, Professor, ERA Chair in Valortech, Estonian University of Life Sciences, Estonia

10.15 – 11.15 Lecture 1: Major encapsulation techniques and formulations: *Speaker: Dr. Berta Estevinho*, Universidade de Porto (berta@fe.up.pt)

11.15 - 12.15 Lecture 2: Evaluation of the microencapsulation efficiency and oxidative stability of active material: *Speaker: Dr. Berta Estevinho*, Universidade de Porto (berta@fe.up.pt)

12.15 – 13.00 Lunch

13.00 - 13.30 Lecture 3: Application of vegetable by-products in encapsulation: challenges and opportunities: *Speaker: Dr. Rocio Morales-Medina*, Technical University of Berlin (morales-medina@tu-berlin.de)

13.45 - 16.45 Practical training on spray dry encapsulation and the assessment of encapsulation efficiency

Registration:

Once registration for the training is completed, an email confirmation and information to join the online event will be sent to the participants.

Deadlines:

Interested participants are requested to enroll to this webinar on or before April 15th, 2022.

Personnel Involved:

All staff from ERA-Chair in Valortech and Competence Centre PlanValor, EMU

Registration link: <https://forms.gle/b4xQnzuGvT7PfXqp7>

Contact Person:

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For further information about ERA-Chair in Valortech:

Website: <https://www.valortecherachair.com/>

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