

EFCE Spotlight Talks

Working Party on Drying

19 April
2022

09:30 am • 11:15 am

CEST

Focus on current drying research within EFCE



Drying is an essential physical unit operation that can be found in a lot of production processes within the chemical, pharmaceutical, and food sectors among others. It is usually considered that about 10 to 15% of the industrial energy consumption is due to drying operation. Besides being an energy intensive operation, drying can be crucial in terms of final product quality. This is why drying research remains an important field, with development related to the design of new or more efficient dryers, the better understanding of the relation between drying operating conditions and product quality, the reduction of the environmental impact, ... based on both experimental and modeling approaches.

The aim of this webinar is to highlight some of the research done in the drying field researchers within EFCE members. This will be the opportunity to strengthen the network of researchers active in drying, in view of the next European Drying Conference postponed to 2023. The provisional program was done taking care of gender balance.

PROGRAM

- 09:30 **Welcome and introduction**
Angélique Léonard – Chair WP Drying, University of Liège - Belgium
Jarka Glassey, EFCE Executive Vice-President
- 09:40 **Towards efficient drying of high-quality vegetable seed**
Julia Veser, Wageningen University - The Netherlands
- 10:10 **Operational dimensioning of drum dryers and review of the desing parameters**
Tibor Poós, Budapest University of Technology and Economics - Hungary
- 10:40 **Study of multiphase flow inside the anodic porous transport layer of PEM water electrolyzer based on Lattice Boltzmann and Pore Network Models**
Supriya Bhaskaran, Otto-von-Guericke-Universität Magdeburg - Germany
- 11:10 **Conclusion**
Angélique Léonard – Chair WP Drying, University of Liège - Belgium

Registration

free of charge but mandatory

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