



Bioplastic compounding and formulation

★★★★★ (27) asistentes

Bioplastics, like renewable materials, are destined to play a crucial role in the circular economy, however, their limited variety compared with traditional plastics, as well as their inferior properties, limit their performance. Compounding can be a tool that goes beyond synthesis to obtain new properties and achieve the requirements demanded by the clients. For this, a thorough knowledge of plastic materials, additives, fillers or reinforcements and a mastery of the compounding process are indispensable to achieving high quality bioplastic compounds.

Plazo preinscripción

Hasta el 27 de mayo 2024 o hasta completar aforo



Fecha y horario

Del 28 de may al 30 de
may 2024

9:30 h - 12:30 h or
13:00 h (CET)



Duración

10 horas lectivas



Ubicación

Online



Precio

Empresa asociada:
560€

Empresa no asociada:
700€

Unemployed 560 € 10%
discount on the second
attendee from the same
company 10% discount if you
register three weeks before the
beginning VAT not included

Objetivos

- To know how to do it -> how to use the equipment (co-rotating twin-screw extruder)
 - To know what to do it with -> what raw materials to use (bioplastics, additives, fillers and reinforcements)
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¿A quién va dirigido?

- The aim is to provide students with the basic concepts to be able to modify bioplastics and obtain new properties or improve existing ones in order to produce their own compounds.
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Temario

INTRODUCTION TO BIOPLASTICS

- The market and current situation regarding bioplastics
- Types of bioplastics
- Properties
- Description of the most commonly used bioplastics

BIOPLASTIC COMPOUNDING

- General concepts of compounding and mixing
- Co-rotating twin-screw extruder
- Extruder configuration
- Process control
- Peripheral equipment

ADDITIVES, FILLES AND REINFORCEMENTS

- The additives most commonly used in the formulation of bioplastics
- Mineral and cellulosic fillers
- Natural fibres

BIOPLASTIC COMPOUNDS

- > Compounds with inorganic fillers
 - > Compounds with fibres and natural fillers
 - > Bioplastic blends
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Convocatorias abiertas

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(CET)

📍 Online

Profesorado



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Observaciones

- > [Cancellation and Rescission Policy](#)
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Organiza:

