



Innovative topics and teaching methods in the field of Chemical Technology and Engineering

Program:

October 10th

10:30 – 11:00 – **Registration**

11:00 – 11:30 – **Welcome session**

João Sobrinho Teixeira, President of IPB

Albano Alves, President of ESTiG/IPB

Filomena Barreiro, INNOCHEM IPB coordinator

12:00 – 12:30 – IP presentation (Filomena Barreiro, ESTiG/IPB)

(Lunch time)

14:00 – 17:00 – **Session I: Valorisation of natural products**

- Valorisation of natural products: from nature to products (Isabel Ferreira, ESA/IPB)
- Visit to Brigantia EcoPark (<http://www.brigantia-ecopark.pt>) (Paulo Piloto, Executive Director of Brigantia-EcoPark)

October 11th

9:30 – 12:30 – **Session II: e-laboratories**

- Student Laboratories for Efficient Learning of Chemical Engineering (Adélio Mendes and Alexandre Ferreira, FEUP)

(Lunch time)

14:00 – 17:00 – **Session III: Chemical Product design**

- Teaching Product Engineering & Perfume Engineering (Alírio Rodrigues, FEUP)
- Chemical Product Design: flipped learning of the other side of the Chemical Engineering coin (Pedro Saraiva, FCTUC)

October 12th

9:30 – 12:30 – **Session IV: Project-based learning**

- Problem/Project Based Learning environments as contexts that foster significant learning settings (Vicente Leite, ESTiG/IPB; José Oliveira, ESTGA/UA)

(Lunch time)

14:00 – 22:00 – Visit to Douro Region and Social Dinner

October 13th

9:30 – 12:30 – **Session V: Gamification**

- Learning is almost a game, isn't it? (Rui Pedro Lopes, ESTiG/IPB)
- Teacher, I blew up the laboratory! I'm glad it was only a game... (Rogério Tavares, UFRN)

(Lunch time)

14:00 – 17:00 – Coordination Meeting/Courses modules presentation (project members)

October 14th

11:00 – 12:30 – Final remarks