

Modeling and simulation of biomass and food processing with USIM PAC software

Objective

Discovering the USIM PAC software functionalities for design and optimization of agro-industries process

Intended audience

Process engineers, technicians, students concerned by process design and optimization of biorefineries and food processes

Program

General presentation of USIM PAC Agro software

- Main functions
- «Guided tour»
- Modelling of material from living sources
- Presentation of the main unit operation models for agro-industries

Generation of a consistent and detailed mass balance from measured data

- Principles of data reconciliation by material balance / required data / algorithm
- Application example: material balance of a pilot operation for plants extraction

Sizing an industrial plant from pilot operation data

- Main equipment sizing
- Establishment of predictive material balances
- Investment and operation cost calculation

Existing plant optimization

- Equipment settings
- Improvement of material yields
- Optimization of thermal exchanges

Teaching methods

- Training is based on documents given to the trainees
- Using specialized software products, trainees will apply the theory to solve industrial case studies

Prerequisites

- Computing: Use of spreadsheet software (such as Microsoft Excel)
- Process: basic notions on main equipment, physical and chemical process of primary material from living sources (plants, algae, milk, sea...)

Duration

2 days

Registration fee

1250 € (excl. taxes)

Dates

- March 12-13, 2020
- November 23-24, 2020

Venue

Orléans, France

Advantages

- Practical approach of simulation
- Training in French or English

CASPEO could run all training courses at a date and at a location that suit you. On demand, courses could be customized to address your organisation's interests.

REGISTRATION FORM

To send back by e-mail or postal mail

Tel: +33 (0)2 38 64 31 96 - E-mail: info@caspeo.net

CASPEO - 3 Avenue Claude Guillemin - BP 36009 - 45060 ORLEANS CEDEX 2 - FRANCE

INFORMATION ABOUT THE TRAINING SESSION

Training session

Date

Price

How did you hear about it?

COMPANY INFORMATION

Name

Address

Zip code

City

Country

VAT No

(for European country)

PARTICIPANT INFORMATION

Name

Surname

Position

Phone

E-mail

Name

Surname

Position

Phone

E-mail

Date

Signature

For any cancellation, less than 10 days before the start of the training session, 50% of the price will be invoiced.