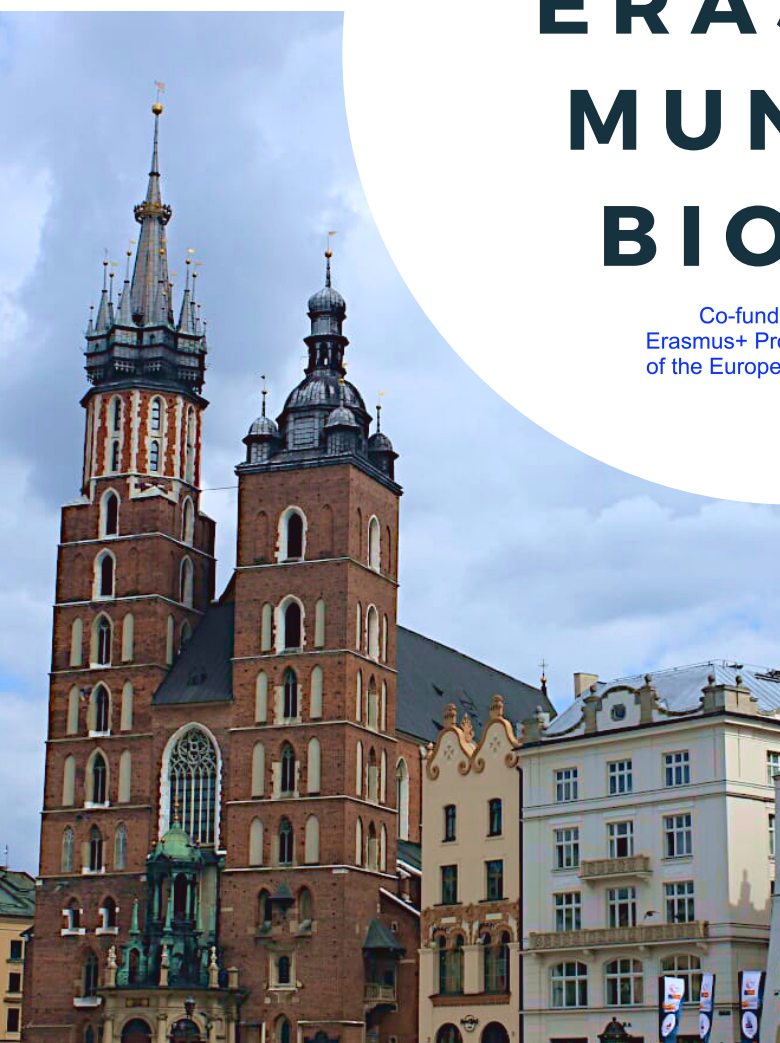




MASTER ERASMUS MUNDUS BIOREF

Co-funded by the
Erasmus+ Programme
of the European Union





LEARN ALL ABOUT THE BIOREFINERY IN A PROGRAMME OF EXCELLENCE

The Master's course in Biorefinery (Bioref Master) is a two-year (120 ECTS) programme, entirely taught in English and jointly operated by four universities, (the Bioref Consortium): the University of Lille, France, the University of Technology of Troyes, France, Cracow University of Technology, Poland and University of Bari Aldo Moro, Italy.



Eligible students must hold a BSc in Chemistry, Physical Chemistry, Biochemistry or equivalent; have a high academic level and good command of the English language.

The Bioref programme includes mandatory mobility of students within the Bioref Consortium, based on their choice of specialization according to our partners' expertise, and it leads to the award of multiple degree diplomas with a joint diploma supplement.

The Bioref Joint Master's course focuses on biomass farming, harvesting and transformation process to high added value molecules. The Master course will provide the highest level of knowledge in these aforementioned fields but also to bioeconomy and environmental and sustainability challenges occurring during biorefinery implementation. It will allow the students to enter directly to the labour market or follow a career in the research domain starting by a PhD.



The Bioref Master's course provides all students with various transversal skills (competencies in entrepreneurship, project management, bibliographical search and synthesis in link with industry and knowledge of REACH legislation and intellectual property issues). Additionally, during the 2 years of the programme (integration week, 4th semester research project, lab courses, theoretical course units) they will have opportunities to acquire other soft skills (intercultural communication, research experience and scientific communication, national language of their host universities) enabling them to easily adapt to their future international professional environment

THE BIOREF MASTER PROGRAMME

SEMESTER 1

BIOECONOMY BASICS AND ENVIRONMENT BASICS
WILL BE DELIVERED IN THE UNIVERSITY OF
TROYES (FRANCE)

SEMESTER 2

THE BASICS OF BIOMASS CHARACTERISATION AND
PRODUCTION OF BIOFUELS -INCLUDING LAB-SYNTHESIS
OF BIODIESEL, BIOETHANOL, BIOGAS AND WASTE
BIOMASS PYROLYSIS WILL BE DELIVERED IN CRACOW
(POLAND)

SEMESTER 3

CHEMICAL AND TERMICHEMICAL ROUTES FOR
LIGNOCELLULOSIC-BASED BIOREFINERY IN THE
UNIVERSITY OF LILLE (FRANCE)

or

SEMESTER 3

ENZYMATIC/MICROBIAL/ CHEMICAL PROCESSES FOR
AN OIL-BASED BIOREFINERY IN THE UNIVERSITY OF
BARI (ITALY)

SEMESTER 4

WORK PLACEMENT OR MASTER THESIS :
REGISTRATION IN ONE OF THE FOUR UNIVERSITIES



Université
de Lille



Cracow University
of Technology



UNIVERSITÀ
DEGLI STUDI DI BARI
ALDO MORO

utt
UNIVERSITÉ DE TECHNOLOGIE
TROYES



APPLY FOR AN
ERASMUS
SCHOLARSHIP UNTIL
MARCH 1ST 2020 !



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