



Co-funded by
the European Union

Bioceb

European Master in Biological
and Chemical Engineering for
a Sustainable Bioeconomy

STUDENT BOOKLET

2023-2025



AgroParisTech 

université
PARIS-SACLAY


UNIVERSITÉ
DE REIMS
CHAMPAGNE-ARDENNE

 Erasmus
Mundus

**TAL
TECH**

A! Aalto University

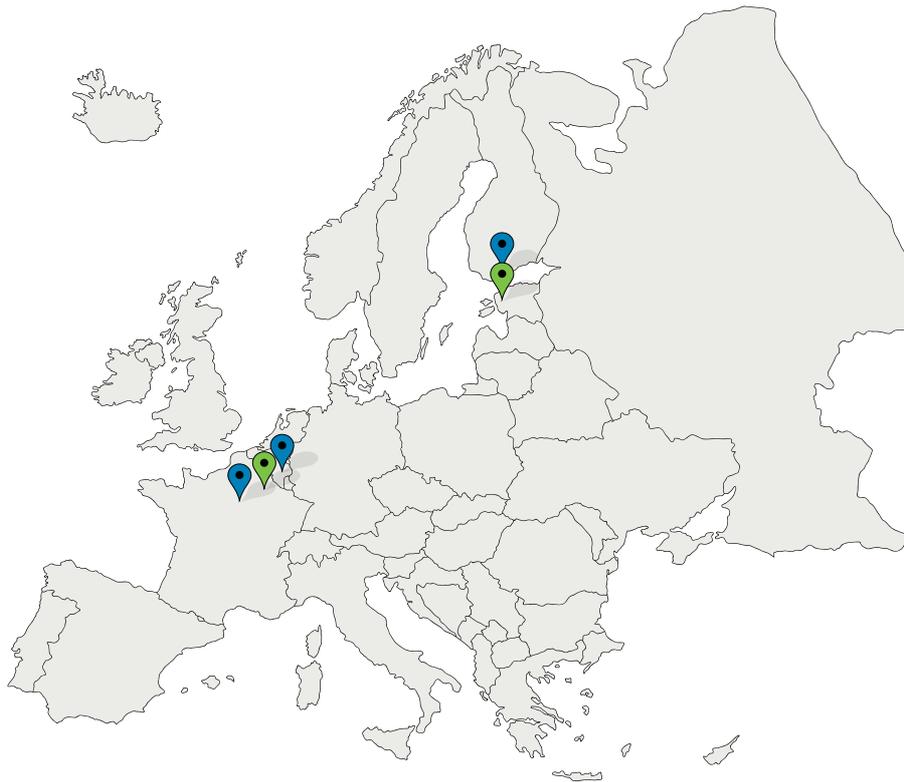
 **LIÈGE**
université



Co-funded by
the European Union

Bioceb

European Master in Biological
and Chemical Engineering for
a Sustainable Bioeconomy



21 students

5 European Higher
Education Institutions

18 nationalities

21 strategic partners from
Academic Research and
Industrial sectors

AgroParisTech



université
PARIS-SACLAY

UNIVERSITÉ
DE REIMS
CHAMPAGNE-ARDENNE

TAL
TECH

A!

Aalto University

LIÈGE
université

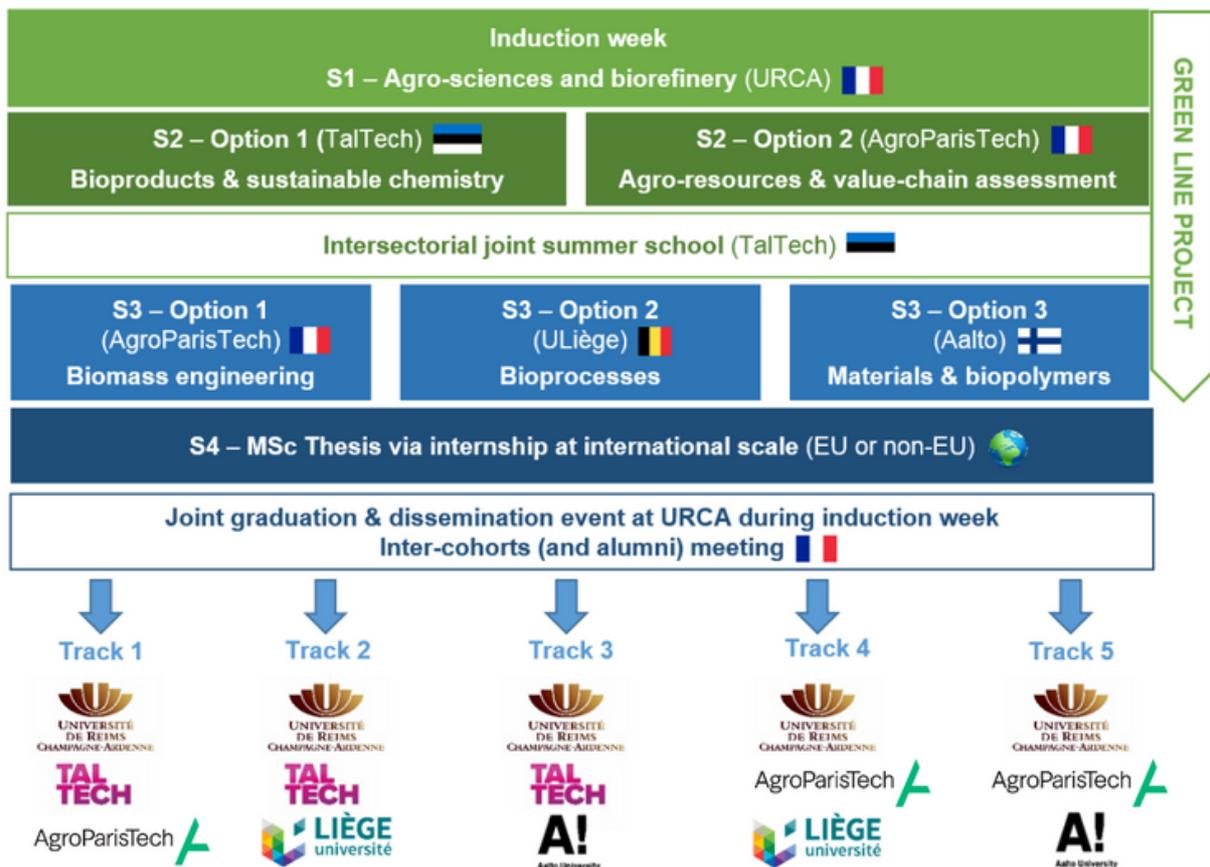
Erasmus
Mundus



Bioceb

European Master in Biological and Chemical Engineering for a Sustainable Bioeconomy

COURSE CONTENT



GREEN LINE PROJECT

- Track 1: Bioproducts, green chemistry, biomass engineering
- Track 2: Bioproducts, green chemistry, bioprocesses
- Track 3: Bioproducts, green chemistry, materials, polymers
- Track 4: Agro-resources, value-chain assessment, bioprocesses
- Track 5: Agro-resources, value-chain assessment, materials, polymers





DISCOVER INTAKE 4



ARMENIA

Raffi SHAKHMURADIAN

Yerevan State University, Armenia

Track 5: URCA - AgroParisTech - Aalto



I am a Biochemistry, Microbiology, and Biotechnology student at Yerevan State University (Armenia) and will soon be graduating. Alongside my studies, I have worked as a teacher assistant in high school, at my university, and for private companies, and have enjoyed sharing my knowledge with others. In addition, I have been an active member of my faculty's student scientific society, serving as its president, and co-founded an NGO that organizes Olympiads for high school students. Outside of my academic pursuits, I cherish spending quality time with my friends and family, listening to music, and taking walks outdoors.

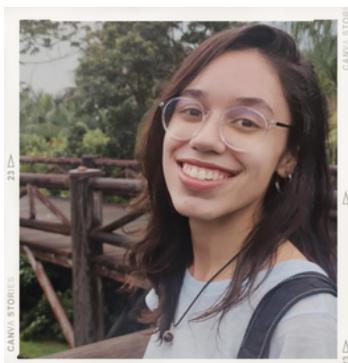


BRAZIL

Beatriz RODRIGUES BISPO SANTOS

Federal University of Pará, Brazil

Track 1: URCA - TalTech - AgroParisTech



Hello! I'm Beatriz and I am a fresh graduate in Biotechnology. My main interest and experience are in environmental biotechnology and biomass valorization. I come from the north of Brazil and I hold a strong connection with nature since my childhood. I consider myself an open and curious person who seeks new adventures, knowing other people, points of view and cultures. I also like handicraft activities, reading and exploring new places — especially natural ones. I wish to work for a more economically, socially, and environmentally fair world and I feel that Bioceb is an amazing way to pursue my journey. I am happy to join the Bioceb community and look forward to the next experiences to come!



DISCOVER INTAKE 4



COLOMBIA

Luisa TELLEZ OLARTE

ICESI University, Colombia

Track 4: URCA - AgroParisTech - ULiège



iHola! My name is Luisa Tellez, I am 25 and I am from Cali, Colombia. My major is Biochemical Engineering and I graduated from Universidad Icesi. I am currently working at Smurfit Kappa where I have acquired experience in process and environmental engineering, sustainability, biomass valorization and bioprocesses. I am very passionate about learning new things that feed my curiosity. This is why I enjoy exploring new places, traveling, diving, hiking, visiting museums, going to the theater, trying new food, among other activities. A "fun fact" about me is that I am super organize, so my guilty pleasure is to arrange everything in tiny bags. I am very excited to undertake this new challenge and to be a part of the Bioceb community. See you soon!



ECUADOR

Erick INSUASTI CRUZ

Yachay Tech University, Ecuador

Track 5: URCA - AgroParisTech - Aalto



My name is Erick, and I am a 25-year-old biomedical engineer from Ecuador. My goal is to apply circular economy principles to transform the biomedical industry, particularly in the materials sector. I am a curious and open-minded individual, enthusiastic to participate in Bioceb activities and looking forward to meeting my classmates to share time, ideas and experiences. In my free time, I enjoy playing football, basketball, and volleyball, as well as music, hiking and participating in outdoor activities. Having grown up in a country with a rich and diverse environment, nature has always been a significant part of my life, and I enjoy exploring and appreciating it.



DISCOVER INTAKE 4



EGYPT

Ahmed SALEM

Mansoura University, Egypt

Track 1: URCA - TalTech - AgroParisTech



I am Ahmed Salem, an Egyptian graduate student who majored in biotechnology. I describe myself as a colorful mix between the Middle East and the West. I love international literature, and my favorite novel is One Hundred Years of Solitude. You could find me in the lab, but mostly I am in the coffee shop, beating my friends in a local game called Backgammon.



ETHIOPIA

Atsbeha Gebreslassie GEBREMESKEL

Politecnico di Milano, Italy

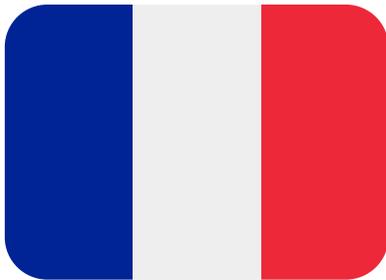
Track 2: URCA - TalTech - ULiège



I am Ethiopian. I have an MSc degree in chemical Engineering from Politecnico di Milano, Italy. I am interested in renewable raw materials, energy and processes. I am a thriving person who enjoys exploring new cultures, languages and ways of living. I like playing tennis, chess and pool.



DISCOVER INTAKE 4



FRANCE

Agathe HELLICH

University College London, United Kingdom

Track 2: URCA - TalTech - ULiège



My name is Agathe. I grew up in France and in the Netherlands. I have studied at UCL in London, with a year abroad at NUS in Singapore. It was a BSc degree (BA and BSc) : my major was in biochemical and environmental engineering, while my minor was in philosophy (ethics of emerging technologies). I love theater, be it acting in plays, improv, or comedy. I also enjoy outdoor sports like hiking, cycling, swimming, sailing, skiing, or paragliding.



INDIA

Sandra BABU

Kalasalingam Academy of Research and Education, India

Track 2: URCA - TalTech - ULiège



Namaste, my name is Sandra and I recently graduated with a bachelor's degree in Biotechnology Engineering from Kalasalingam University. I'm from the beautiful state of Kerala in South India. I'm equally passionate about science & exploring new places to meet people and listening to their distinct stories. Being surrounded by nature truly makes me feel alive and rejuvenated. In my free time, I enjoy reading, football, and listening to music. I truly believe that Bioceb is the perfect opportunity for me to combine my passion and professional goals. I am eager to see the world through the lens of Bioceb & create meaningful connections along the way.



DISCOVER INTAKE 4



INDIA

Madhubala CHAVALI

Little Flower Degree College / Osmania University, India

Track 5: URCA - AgroParisTech - Aalto



My name is Madhubala Chavali. I am from India. I have a bachelor's degree in Biotechnology, Microbiology and Chemistry. Understanding and learning how biological systems work and how we can integrate and implement that in human lives has always fascinated me which is why I chose BIOCEB. My hobbies include reading, it opens doors towards imagination and innovation, I also love to paint, write, and meet new people, and immerse myself in new communities. I also do some beginner Yoga and Vipassana meditation from time to time to consciously inculcate focus, perspective and clarity in my life. Above all, learning is something I enjoy. Speaking of, I am also currently learning an Indian classical dance form called "kuchipudi".



INDIA

Mahin PATEL

University of Debrecen, Hungary

Track 3: URCA - TalTech - Aalto



I am Mahin from India. I completed bachelor's in biology from University of Debrecen, Hungary. Currently I am working on bio-composites in Clermont-Ferrand, France. I am an evening person who love to travel and eat, I am open to learn about distinct cultures and traditions. I am looking forward to meeting new people and a joyful experience which is full of adventures and learning.



DISCOVER INTAKE 4



IRAN

Sajjad MALEKZADEH

Amirkabir University of Technology, Iran

Track 4: URCA - AgroParisTech - ULiège



Hi! I'm Sajjad, and I come from Iran. I hold a degree in Chemical Engineering and have gained valuable experience in bioprocesses as a research assistant. My passion lies in developing new processes and technologies that promote both economic and environmental sustainability. When I'm not working, I love to travel, play board games and meet new people, and I find joy in every activity. I'm looking forward to meeting all of you and embarking on this exciting journey together.



MEXICO

Daniela ESQUIVEL ROMERO

Yonsei University, South Korea

Track 3: URCA - TalTech - Aalto



Hello! My name is Daniela Victoria, but everybody calls me Vic. I'm from Mexico. I lived for 5 years in South Korea while I learned Korean and then studied Bioengineering & Biotechnology at Yonsei University. I love reading, especially high-fantasy novels, watching movies, and walking around the city while listening to music. I usually spend my free time visiting cafés for studying, reading, or just enjoying a cup of coffee. Café-hopping is one of my favorite activities to do!



DISCOVER INTAKE 4



NIGERIA

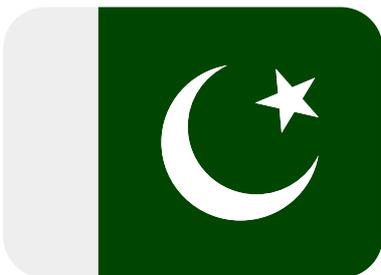
Uchechukwu ORJI

University of Nigeria, Nigeria

Track 4: URCA - AgroParisTech - ULiège



My name is ORJI UCHECHUKWU SUNNY. I'm from Abia State - south-eastern Nigeria. I have a background in Biochemistry with particular interest in microbial biotechnology. I also have another degree in Environmental management science; the use of biomass and how it impacts the environment is the reason why I choose BIOCEB. I like to describe myself as a lifestyle enthusiast with a naturally kind and positive disposition to life. My favorite past-time hobbies will include: listening to my favorite "on-air radio shows", swimming, driving long distances and reading (just about any book). I hope to become a full-time industrial researcher and I'm super pumped for the entire BIOCEB experience.



PAKISTAN

Javeria IBRAHIM

**International Islamic University Islamabad,
Pakistan**

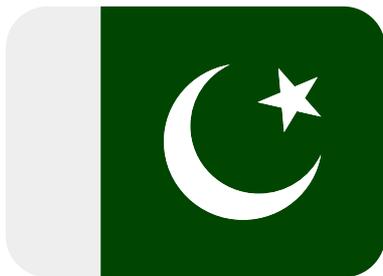
Track 1: URCA - TalTech - AgroParisTech



Hello, I'm Javeria and I'm from Rawalpindi, a bustling city with widely known market places. I've done my Bachelor's in Biotechnology from International Islamic university, a beautiful institute located at the heart of Islamabad, from where one can have a breathtaking view of Margalla Hills. As for me, I find joy in the simplest yet priceless things; the scent of rain, coffee, good food and lovely company. I enjoy cooking, reading and you'll often find me fawning over animals, particularly my cat. I aspire to work with intellectual minds from all over the world and also learn about diverse cultures, languages, food etc. for which, Bioceb is a perfect choice. Excited to meet everyone!



DISCOVER INTAKE 4



PAKISTAN

Ahsan NASIR

**Institute of Chemical Engineering &
Technology, Pakistan**

Track 2: URCA - TalTech - ULiège



I am Ahsan. I am from the historical city of Lahore in Pakistan, having beautiful exposure to different walks of life, from the tiny streets to the skyscrapers. I describe myself as a creative individual, I fuel my research and awareness endeavors through empathy and curiosity. I have a great eye for art and aesthetic. I enjoy prayer, meditation, volunteering, and traveling for fun. I started my journey to become a chemical engineer in 2018, throughout my degree, I became aware of the challenging circumstances of the world and worked in hopes of utilizing my knowledge for an impactful cause. I had the opportunity to work at one of the top companies in my field but decided to pursue my childhood dream of becoming a scientist and started out as a voluntary researcher and a tutor. I am very excited to be part of the fourth cohort of Bioceb and meet all of you!



PARAGUAY

Yanisse BOGADO

**Universidad Católica "Nuestra Señora de la
Asunción", Paraguay**

Track 3: URCA - TalTech - Aalto



Greetings! My name is Yanisse, I am 24 years old. I am Paraguayan, from the city of Villarrica, born and bred! Here, I obtained a degree in chemical engineering, in 2021. I work as a university teacher, in the subjects of design and analysis of experiments, biochemical engineering, and as a final project tutor. I especially enjoy reading novels and writing some sketches of stories. As well, I love being surrounded by nature and going walking in parks and hills. A curious thing about me is that, well, I do not really like spending much money, so instead, I use to learn subjects or skills by myself, for example, doing small house fixings or learning languages. I am starting with some French now. And I am eager to meet you all, à bientôt!



DISCOVER INTAKE 4



PHILIPPINES

Carla Angeli MENDIOLA

**University of the Philippines Diliman,
Philippines**

Track 4: URCA - AgroParisTech - ULiège



I am Carla Angeli C. Mendiola from Metro Manila, Philippines. I studied Chemical Engineering from my country's premier university, the University of the Philippines - Diliman. I like researching about energy production and bioprocesses. Aside from studying, I also like hiking with my friends and bowling. I look forward to explore Europe and its culture with new-found friends here at Bioceb!



RUSSIA

Anna LEPESHKO

Lomonosov Moscow State University, Russia

Track 4: URCA - TalTech - AgroParisTech



Hi! I was born in Siberian city, Novosibirsk. Four years ago, I moved to Moscow to study at MSU and currently finish Bachelor degree in Soil Science. I am doing research focused on phytohormonal activity of yeasts associated with crops. I see my future study as organism's modification to mitigate food crisis issue. Apart from studies, I like meditating, doing yoga outside, read before sleep and explore new things. I also truly appreciate good-quality jokes and like to laugh. Well, to be honest, Bioceb is my dream programme out of many I've applied to and I am thrilled with upcoming studies!



DISCOVER INTAKE 4



THAILAND

Rangsimatiti BINDA SAICHOMPOO
Mahidol University International College,
Thailand

Track 5: URCA - AgroParisTech - Aalto



Hi there! My name is Rangsimatiti Binda Saichompoo, but you can call me Kat. I'm from Bangkok, Thailand. My passion is sustainability and conservation, so that is one of the reasons why I applied for Bioceb Master's Program. I did my Bachelor's in general biological sciences and pursued my internship in marine conservation with ATMEC. I spent my last year on a small island diving, learning and doing research on coral reefs in the Gulf of Thailand. I discovered that the solution to many environmental problems is to adapt our products and packaging in a more sustainable way. That's why I'm very excited to be in Track 5 and to meet all my Bioceb peers! I love to read and learn. I'm head over heels in love with nature. I have tons of hobbies and things I like to do like sports, art, music, food and traveling. In fact, I did boxing and Muay Thai back in Thailand! I also love figure skating, which is weird since I discovered this in a really hot country like Thailand. Anyhow, I'm really looking forward to seeing all of you in our first semester together :)



TURKEY

Sahin BAYAR

Eskisehir Technical University, Turkey

Track 4: URCA - AgroParisTech - ULiège



Hello everybody! I'm Sahin from Tekirdag, Turkey which is located just on the west of Istanbul. I actually grew up in Istanbul until I started highschool and move out from Istanbul. After highschool I got my Bachelor's Degree in Chemical Engineering at Eskisehir Technical University. I learned beginner level of German at highschool and I was interested in Spanish in my bachelor's degree years. I had opportunity to Erasmus+ study exchange in Poland and loved it. Then again I did laboratory internship and research on agricultural wastes in Poland with Erasmus+ internship opportunity. Courses, travelling, meeting people from other cultures and disciplines developed my interests on solutions to environmental issues. Shortly, I love music, travelling, nature, cultures and language learning. My hobbies are taking photos, playing basketball and video games. My recent passion is learning French as a language and increase my knowledge in bioprocesses, bioproducts along with chemical engineering and economic perspective. I define myself as a curious, and planned person. I'm looking forward to meet with all of you.



DISCOVER INTAKE 4



UZBEKISTAN

Ulugbek MAVLONOV

National University of Uzbekistan,
Uzbekistan

Track 1: URCA - TalTech - AgroParisTech



Hi, my name is Ulugbek and I am from Tashkent, the capital of Uzbekistan. Currently, I am about to complete my bachelor's degree in biology at the National University of Uzbekistan and I have research experience in genetic engineering. I describe myself as a curious, ambitious and reliable person. When it comes to my hobbies, I like playing football and chess and, of course, I enjoy watching football matches, I am a big fan of a FC Barcelona, by the way. Also, I really like to interact with people and now I am looking forward to the Bioceb experience.



European Master in Biological
and Chemical Engineering for
a Sustainable Bioeconomy

