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



ECAMPUZ European World Talent Camp for Uzbekistan Scientists in Food Science and Technology — ERASMUS-EDU-2022-CBHE” EU funded project

CAMPs and Trainings



Tashkent Institute of Chemical Technology

UNIVERSITY OF COPENHAGEN



UNIVERSIDAD DE EXTREMADURA



CENTER FOR ADVANCED TECHNOLOGIES

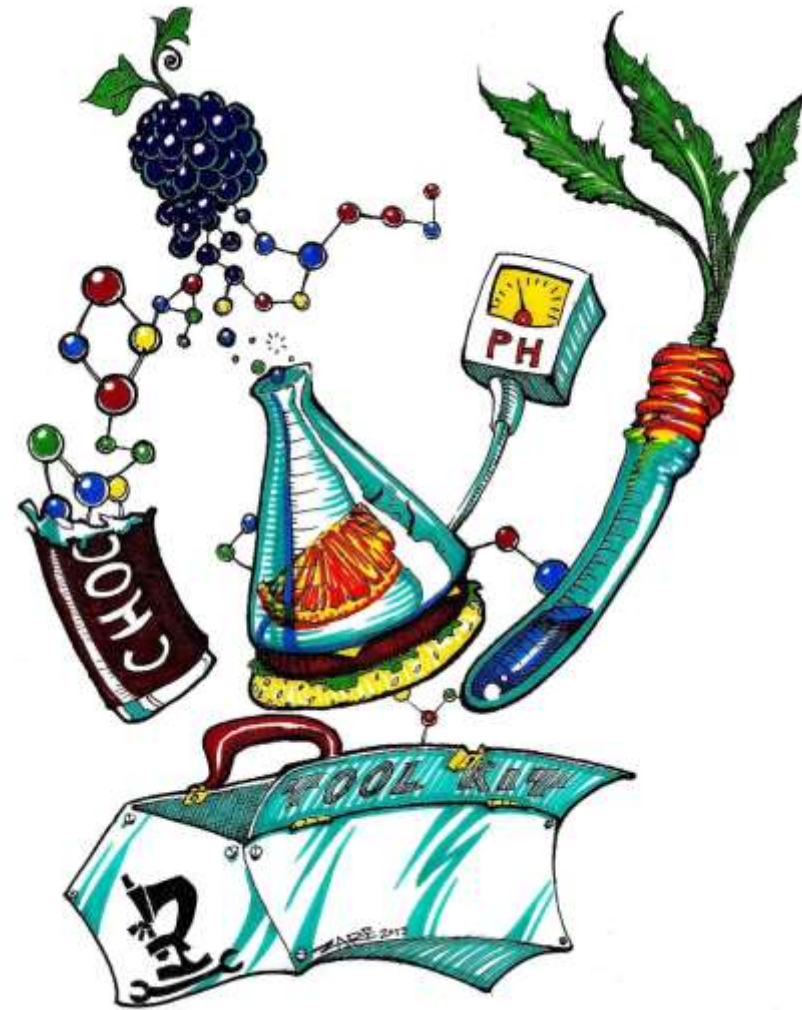
- ***One CAMP in each year of project (1st and 3rd CAMP in Uzbekistan; 2nd CAMP in Spain). Total number of participants – 75 students. Duration – 2 weeks.***
- ***Training of 7 researchers, 6 teachers, 10 PhD students in EU universities: University of Copenhagen, Denmark and University of Extremadura, Spain. Total number of participants – 23. Duration – up to 3 month (1st - 3rd year).***
- ***Plan for student internship program at local industries (3rd year).***
- ***Course materials for highly specialized food science and technology courses for research and technical staff in food companies “Cluster of Advanced Topics in Food Science and Technology” (2nd year).***
- ***A preliminary Charter of a new Uzbek Society of Food Science and Technology (2nd year).***
- ***Science acceleration program for start-ups (2nd year).***
- ***Intra-project conference in Urgench (2nd year).***
- ***The final “Le Grand Finale” conference in Food Science and Technology in Bukhara (3rd year).***

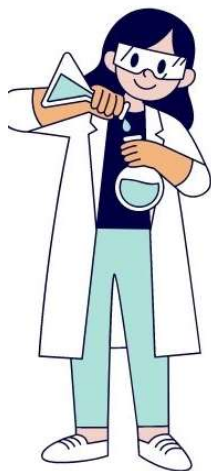
CAMP 1 (related to Food chemistry, molecular gastronomy and food analytics) in Month 9 will be hosted in Tashkent and designed to give an **intensive two-week crash course**.

Total number of participants – 25.

Here the student will be divided in groups and will be assigned a specific contemporary problem present in the food industry. Then, each group will work on their problems under the supervision of the EU trainers and prepare a report with their own solution to the problem based on the learned knowledge and obtained skills during the CAMP.

The CAMP will finish with a miniconference in which the groups present their innovative solution to the problems in a plenary session for an audience which include participation of members of the food industry.





CAMP 2 (related to food microbiology and safety, fermentation processes and microtoxins in food) will be hosted in a small village of a rural **southern European area near Cáceres (Spain)** and will focus on how foods affect our metabolome and in turn our daily well-being and health.

Duration of the training – 2 weeks.

Total number of participants – 25.

This CAMP will include the **latest knowledge about food bioactive substances, the effect of prebiotics on gut health as well as how deleterious compounds can be measured and avoided.**

During this CAMP, the students will be assigned to a specific case and encouraged to discuss how new innovative and modern methodologies could be implemented in UZB to boost healthy food production in UZB.





CAMP 3 (related to Data analysis, PAT and food analytics) will be hosted in an urban area of UZB that has a well-developed food industry.

Duration of the training – 2 weeks.

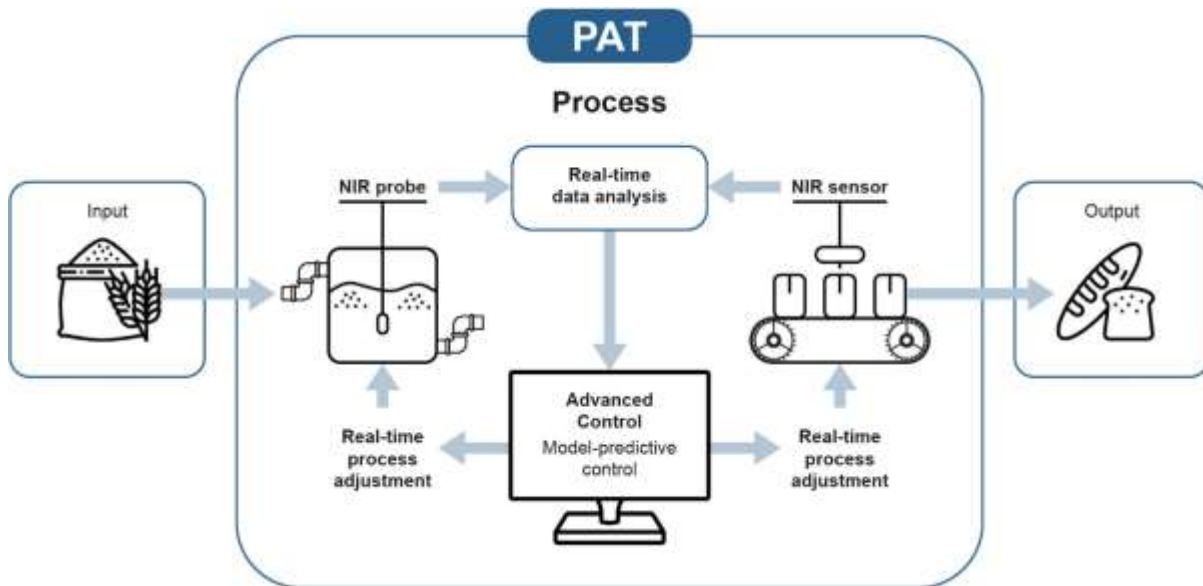
Total number of participants – 25.

This CAMP will have emphasis on **food safety** which is the cornerstone of food production and export.



Again, the students will meet the EU food industry and be exposed to cases of current interest and challenges faced by the EU experts in the food industry and food safety area.

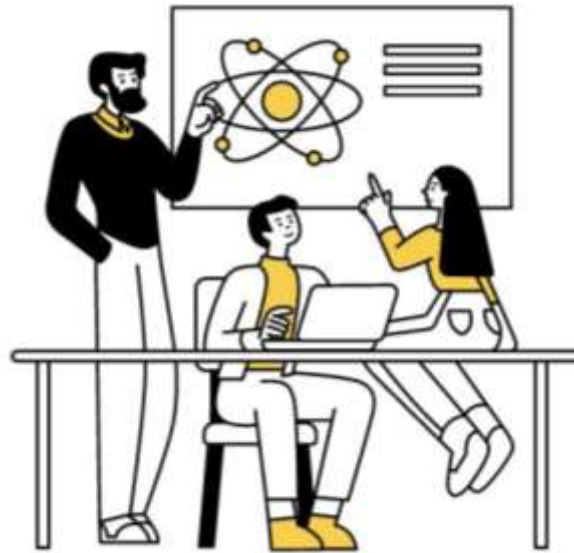
During the industrial visits the students will be assigned different cases and back at the CAMP, the students will prepare a report and give a presentation at a final seminar that includes participants from the food industries.





Training of teaching staff, research staff and PhD students from UZB partners using a train-the-trainer strategy conducted at the EU HEIs. The goal is to host UZB young professionals in the EU HEIs, where they will be familiarized with innovative and modern food science education, good laboratory practice and innovative approaches to strengthen the link between research, education and the food industry.

The candidates will be selected carefully according to their research plan, expertise, and analytical as well as communicative and English language skills.



Train-the-trainers activities include:

- 1) the establishment of a committee for selection of the best young and promising candidates,
- 2) a roadmap for each trainee based on the detailed mapping conducted in WP2,
- 3) identification of a training scheme for each trainee and ensuring that bilateral agreements are reached between the EU and UZB partners,
- 4) training of researchers in state-of-the-art research methods used at EU HEI's,
- 5) training of teachers in modern teaching techniques used in the EU HEIs,
- 6) training of UZB food science PhD students in the area of their PhD topic.

Trainees will have the opportunity to take comprehensive training and gain valuable experience in partner EU HEIs. Participants from UZB will go through pre-defined training and work on a subject of their interest under the supervision of and in collaboration with EU partners.

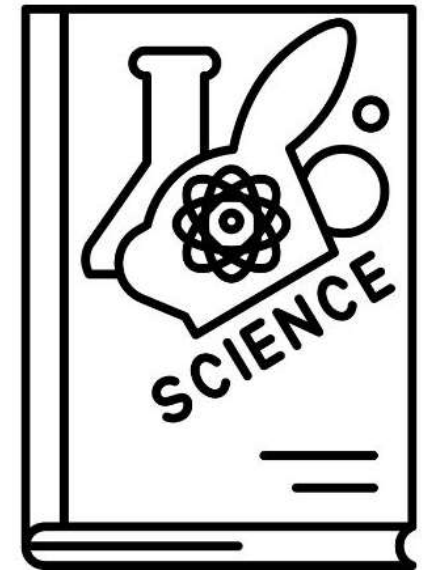
Upon completion of each training course, **training materials will be distributed among consortium members.**

The new methodologies learned will be implemented in UZB partners HEI using the existing infrastructure.

On the basis of the knowledge acquired, trainees will develop and adapt new methodologies in their home institutions.

Each trained teacher will prepare the report with concrete proposals for improving the educational courses of UZB partner universities.

Approximately 2 months after they return to their home institutions, they will conduct workshops for other food science and technology teachers from other HEIs in UZB and share their knowledge and start collaborations prior to further improving courses.



Researchers will have full access to the existing laboratory facilities in the programme country HEIs and will be supervised and have **assistance from members of the P2 and P3 partners**. It is expected that a researcher who wishes to visit an EU partner will present a purpose of a stay, including what skills they want to obtain and what kind of research they would like to conduct, to the selection committee which then makes a decision.



Train-the-trainer for PhD students will be for PhD students who are in their second or third year and wish to conduct part of their experimental work in the EU HEIs.

PhD students will have to **find a contact person from the EU partners** and develop a roadmap for their whole stay period of 3 months and present it to the selection committee. These PhD students are expected to work in the lab under the supervision of the contact person from EU partners, take a short PhD course (if available) and write a scientific paper and/or a final report on their results obtained from the experiments they perform.

