Innovative Postgraduate Education in the Field of Environment Protection: Methods and Tools

FOOD SAFETY RISK ASSESSMENT

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Modernized Course Objectives and Tasks

Course goal: *Familiarize* with the fundamentals of *food safety* and defense, modern standards and principles of food safety and **risk assessment**

Quality and safety

Biological and chemical hazards

Acute and chronic risks

Food safety approaches

Food safety management systems

ENV PRO

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Course Prerequisites

- ✓ Environmental toxicology
- ✓ Environmental monitoring and measuring devices.

Course Comparative Analysis

the most relevant and similar course was "Food safety risk assessment" at Wageningen University & Research (WUR)

Criterion/Details	EU Example: WUR	Course Modernized in RA
Classic or applied:	Applied (Research and education combined)	Both (Academic)
Program/discipline profile:	Food safety risk assessment is one of the thesis track-related subjects and it is compulsory	Food safety risk assessment is one of the compulsory courses
Course type:	Master	Only for master level
Relations to other courses in the program: Outcome courses:	Food safety risk management	Thesis

Course Outcomes

TO know the peculiarities of food contamination at different stages of the food supply chain, as well as the potential hazards and risks associated with food consumption.

BE able to apply food safety standards, distinguish adulterated and potentially hazardous food products

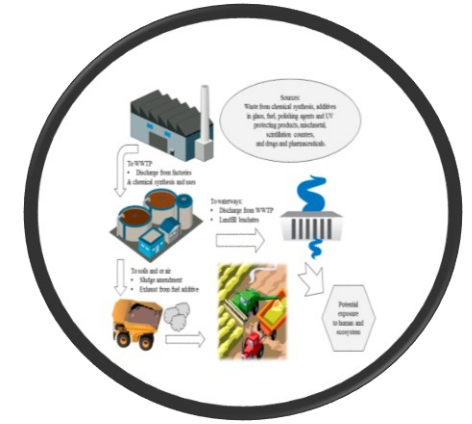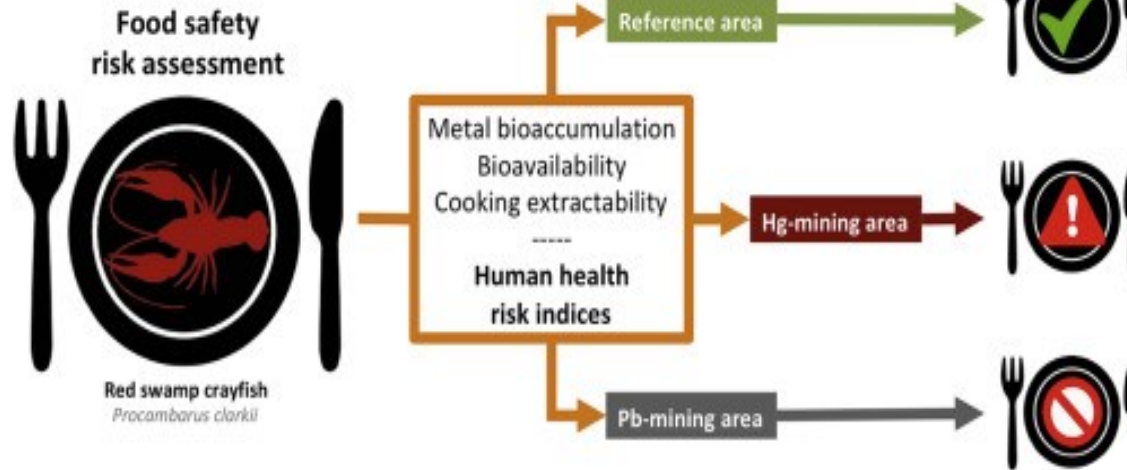**TO** master qualitative and quantitative methods for assessing the acute and chronic risks of food safety

Interdisciplinary Connections With Other Courses

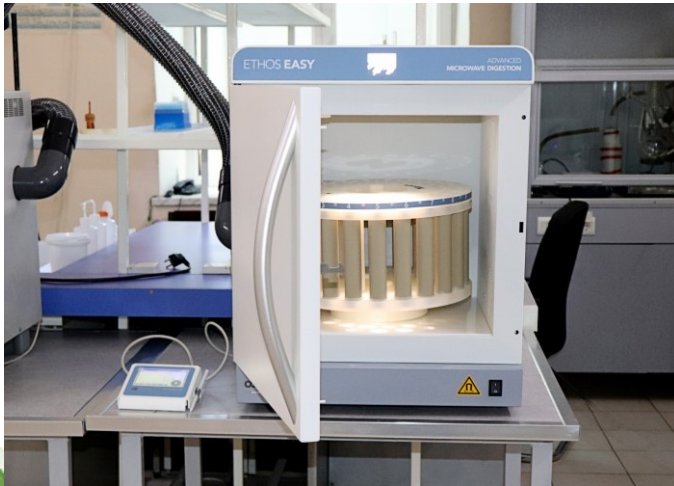Soil quality monitoring

Environmental Toxicology

Environmental radiation protection

Environmental geochemistry

Environmental monitoring and measuring devices

ERLEP Laboratory Involvement in the Course Curricula

✓ Research-based curriculum based on ERLEP capacity
✓ Case studies with involvement of HPLC and other devices
✓ Thesis conducted with the usage of ERLEP infrastructure

THANK YOU !

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