



Major changes in the WACOMA modules as a result of the COVID-19 state of alarm:

Module title:

Sensitive tools for environmental risk assessment and human risk

Lecturer(s) full name(s):

Miriam Hampel

MLaura Martín

Chosen online teaching method(s):

Skype. Virtual teaching following the prearranged timetable.

Major changes in the evaluation method with respect to official planning as a direct consequence of the state of alarm (*):

Evaluation Method:

Students will need to select an anthropogenic source of contamination in the environment and a research article where biomarkers had been selected for monitoring of this source of contamination. They will have to analyse the research work:

- Describing the state of research of the selected source of contamination and the possible adverse effects. Justify and define your main aims.
- Explaining the research work. Defining the areas of study and the methodology chosen: species (depending on what you want to assess sediment, water), biomarkers (exposure, effects depending on the source of contaminants: metals, organic compounds).
- Discussing the particular input the biomarkers selected and the information that they could provide in the environment risk assessment.
- Analysing the research answering these questions: Would you use another battery of biomarkers? Is the study performed in a proper way taking into consideration the variability of biomarkers? Would you use other species?

Mayor changes: This approach was presented by the student in a 5 min oral presentation. It is changed to a written assignment submission.

[\(https://ccmaryambientales.uca.es/modules-description/\)](https://ccmaryambientales.uca.es/modules-description/)

Signed by:

M Laura Martín Díaz



(*) NOTE: If you have not introduced major changes in the evaluation method, simply write “none”.