

Bioindication and biomonitoring

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Subjects code: BB

Year of Study: 1. or 2.

Lectures: 20

Exercises: 30

ECTS: 6

Contents subjects

- Definition and concept of bioindication and biomonitoring
 - Purpose, strategy, principles, advantages and weaknesses
 - Environmental stress, pollution of environment and bioindication
 - Meaning of bioindication for environmental law

- Ways and methods, levels of bioindication/biomonitoring
 - Accumulative and response biomonitoring
 - Active and passive bioindication

- Characteristics and possibilities of use of various bioindicator organisms and cases of good practises in Slovenia.
 - Lichen and moss as bioindicators of air pollution
 - Fungi as bioindicators of soil contamination
 - Higher plants as bioindicators of environmental pollution
 - Invertebrates as bioindicators of environmental pollution
 - Vertebrates (birds, mammals) as bioindicators.