ECOBIAS training in ALGOLOGY (Algologija)

Agenda

07th to 06th June 2021, University of Sarajevo, On-line

Task Leader: Marija Gligora Udovič, P3 UNIZG for P09 UNS

Monday 07.06.2021.	**ECOBIAS online trainings - Algology, 07-08.06.2021. University of Sarajevo, Sarajevo, Bosnia and Herzegovina** Task Leader P3 for P9
09:00-09:15	Trainings Day 1 participants registration and login
09:15-10:00	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytoplankton - introduction, succession, ecological theories.** Algologija- Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitoplanktona- uvod o algama, definicija jezera, sukcesijom te ekološke teorije vezane za sukcesiju fitoplanktona.
10:00-10:45	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytoplankton-Phytoplankton functional classification** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitoplanktona- Funkcionalana klasifikacija fitoplanktona
11:00-11.15	Coffee break
11:15-13:00	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytoplankton-Phytoplankton as biological quality element** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitoplanktona -fitoplankton kao biološki element kakvoće, indeksi i metodologija određivanja ekološkog stanja na osnovi fitoplanktona kao biološkog elementa kakvoće sklopu ODVa te primjeri.
13:00-15:00	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytoplankton- Assignments and materials for the students and Textbook part one.** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitoplanktona- radni materijal za studente u radu u nastavi i prvi dio pripremljenog Textbooka.

Tuesday 07.06.2021.	**ECOBIAS online trainings Algology 07-08.06.2021. University of Sarajevo, Sarajevo, Bosnia and Herzegovina** Task Leader P3 for P9
10:00-10:15	Trainings Day 2 participants registration and login
10:15-11:00	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytobenthos- Introduction, periphyton and colonization processes.** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitobentosa- uvod, definiranje staništa perifitona i tipova obraštaja, kolonizacijski procesi.
11:00-11:45	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytobenthos- Diatoms** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitobentosa- Dijatomeje u zajednicama fitobentosa.
11:45-12:15	Coffee break
12:15-13:00	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytobenthos- Phytobenthos as biological quality element** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitobentosa- Fitobentos kao biološki element kakvoće i njegovo korištenje u ocijeni stanja tekućica prema ODVu.
13:00-14:00	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Ecology of phytobenthos- Assignments and materials for the students and Textbook part two.** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Ekologija fitobentosa- radni materijal za studente, simulacija rada u nastavi te drugi dio pripremljenog Textbooka.
14.00-15.00	**Algology- Ecology of phytoplankton and phytobenthos in freshwater ecosystems. Discussion- „Protist ecology in omics era “.** Algologija-Ekologija fitoplanktona i fitobentosa u slatkovodnim ekosustavima Diskusija-„Ekologiju protista u omics eri".

Annex 4. Summary of the Participant Feedback Form for Training (to be filled by host institution)

Part 1: Training Information

Date 07.-09.06.2021

Place On line Zoom Meeting – Host University of Sarajevo

Training objective Algology (Task Leader P3; other partners involved: P1), (Develop for: P9)

Evaluator name Adi Vesnić

Signature

Evaluator affiliation University of Sarajevo

Part 2: Organization

Organizational feature	3 Strongly Agree	2 Agree	1 Disagree	0 Strongly Disagree
The training course textbook was delivered on time	3*2	2*1		
The timeframe was well used	3*3			
Program strengths evident	3*3			
				Total: 26

Part 3: Structure

Structure features	3 Strongly Agree	2 Agree	1 Disagree	0 Strongly Disagree
The textbook meets my expectation	3*3			
The lecturer was well prepared	3*3			
I would recommend the textbook to my colleagues	3*3			
The presentation meets my expectation	3*3			
Opportunities for participant questions provided	3*3			
Skill practice sessions were included	3*2		1*1	
Information given were accurate & current	3*3			
Real life examples were given	3*3			
Other (please specify)	3*3			
				Total: 79

The information in this section helps us know more about the people we reach with our programs. This section is completely voluntary and anonymous.

What is your gender? Female 1 Male 2

Annex 10. EVENT REPORT

Title of document	**Event report of the training in Algology**
Work Package	WP2
Last version date	(15/06/21)
Status	X Draft Final
Document version	v.03
File name	Event report of the training in Algology
Number of pages	2
Dissemination Level	Internal

VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Revision Description	Partner Responsibile
v.01	15/06/21	First draft	P9 University of Sarajevo
v.02		Second draft	
v.03		Third draft	

LIST OF ABBREVIATIONS

Purpose, objectives and elements of event

Course Objective: Course provides a comprehensive overview of classical and contemporary aspects of the freshwater algal ecology and takes full advantage of the excellent range of aquatic habitats to provide a sound introduction to community succession and species interactions in plankton and benthos. Course Outcome: Students will develop knowledge of algal community monitoring methods at different spatial and temporal scales in a diversity of freshwater habitats. Students will be able to apply ecological principles in describing relationships between algal community and habitats and explain the environmental controls of the algal distribution in plankton and benthos. Students will acquire a foundation for understanding complex ecological processes in freshwaters and will be able to apply it in biomonitoring and next generation biomonitoring.

LIST OF PARTICIPANTS

Samir Đug, Sabina Trakić, Mašić Ermin.

Date of the 1st day

07.08.2021.

1. Phytoplankton ecology. Introduction to phycology; Lakes – definitions, deep and shallow lakes; Succession in lake ecosystems, ecological theories on phytoplankton succession. Functional classifications of phytoplankton. Phytoplankton as biological element of quality; Indices and methodologies in Water Framework Directive and examples. Presentation of work materials for students and the first part of the textbook.

Date of the 2nd day

08.08.2021.

2. Phytobenthos ecology. Definition of habitats and periphyton; Colonisation processes; Diatoms as the most abundant group in phytobenthos; Utilisation of diatomes in definition of indices in methodologies for assessment of the state of waterflows according to Water Framework Directive. Simulation of work with students and presentation of the second part of the textbook.

Date of the 3rd day

09.08.2021.

3. Discussion on topic: Is there any space for protists ecology in "Omics era"

CONCLUSIONS

The training was successful, extremely helpful and provided a lot of information with an understandable approach and logical sequence. The lecturers were really well prepared. All participants were extremely satisfied

05. ALGOLOGY: Photos from trainings