

# AGENDA

## ECOBIAS training in PRACTICUM IN ECOLOGY/ZOOLOGY (Zoološki praktikum)

24<sup>th</sup> and 25<sup>th</sup> May 2021, University of Tuzla

Task Leader: Marija Ivković, P3 UNIZG for P07 IUT and P08 UTZ

Cilj ovog predmeta je razviti vještine analiziranja stanja na različitim vrstama vodenih ekosistema koristeći različite životinjske skupine (makroinvertebrati, ribe, vodozemci).

<b>Monday 24.05.2021.</b>	<b>ECOBIAS online trainings 24-25.05.2021. University of Tuzla, Tuzla, Bosnia and Herzegovina Task Leader P3 for P07 and P8</b>
<b>9:30-10:00</b>	<b>Trainings Day 1 participants registration and login</b>
10:00-13:00	<b>Jezero Modrac - uzimanje uzoraka planktona i pokazno uzimanje uzoraka makrozoobentosa, Ugljikov dioksid - Određivanje vezanog CO<sub>2</sub> u vodi (Alkalinitet), Ugljikov dioksid - Slobodni CO<sub>2</sub> u vodi, Određivanje tvrdoće vode</b>
<b>13:00-14:30</b>	<b>Lunch break</b>
14:30-17:00	<b>PRAKTIKUM: Prostorni raspored organizama, Određivanje gustoće populacije planktonskih rakova, Određivanje gustoće populacije vrste <i>Gammarus balcanicus</i>, Procjena veličine zatvorene populacije pomoću Peterson-ove metode s različitim lovnim naporom, Procjena veličine zatvorene populacije pomoću Schnabelove metode</b>
<b>Tuesday 25.05.2021.</b>	<b>ECOBIAS online trainings 24-25.05.2021. University of Tuzla, Tuzla, Bosnia and Herzegovina Task Leader P3 for P07 and P8</b>
<b>9:30-10:00</b>	<b>Trainings Day 2 participants registration and login</b>
10:00-13:00	<b>Određivanje indeksa raznolikosti - Simpsonov indeks (D), Određivanje indeksa raznolikosti - Shannon-Wienerov indeks (H') i Berger-Parkerov indeks, Određivanje indeksa sličnosti - Jaccardov indeks i Sørensonov indeks, Određivanje indeksa sličnosti - Bray-Curtis indeks sličnosti</b>
<b>13:00-14:30</b>	<b>Lunch break</b>
14:30-17:00	<b>PRAKTIKUM: Prilagodbe makroskopskih beskralježnjaka na brzinu strujanja vode, Prilagodbe na planktonski način života, Prilagodbe na život u kopnenim i vodenim podzemnim staništima</b>







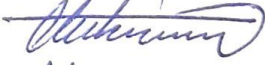

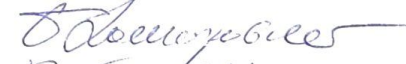

# Annex1. Attendance List

Event **Training Course: Practicum in Ecology/Zoology**

Venue **Faculty of Natural Sciences and Mathematics, University of Tuzla,**  
**Bosnia and Herzegovina, 211**

Date **25<sup>th</sup> May 2021**

Organiser(s) **P8 University of Tuzla; Jasmina Kamberović**

No	Name and Surname	Institution	Signature
1	NATALIJA VUČKOVIĆ	PMF-ZAGREB	
2	ZLATKO MIHALJEVIĆ	PMF ZAGREB	
3	MARIJA IVUOVIĆ	PMF-ZAGREB	
4	VALENTINA ĐORIĆ	PMF-ZAGREB	Đorić
5	Lupić Mirana	IUT	
6	(E-mail)	PMF-TUZLA	
7	Selma Hojđević	PMF, Tuzla	
8	Ren Bojrić	University of Tuzla	
9	Jasmina Kamberović	PMF, TUZLA	
10	ISAT SKENDEROVIĆ	PMF Tuzla	S. Isak
11	BOJAN DAMJANOVIĆ	IUT TRAVNIK	
12	Avdul Ahović	UNTZ.	
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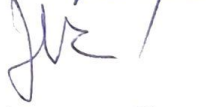

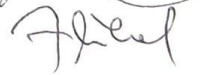
# Annex1. Attendance List

Event **Training Course: Practicum in Ecology/Zoology**

Venue **Faculty of Natural Sciences and Mathematics, University of Tuzla,**  
**Bosnia and Herzegovina, 211**

Date **24<sup>th</sup> May 2021**

Organiser(s) **P8 University of Tuzla; Jasmina Kamberović**

No	Name and Surname	Institution	Signature
1	Arnel Adrović	Univerzitet u Tuzli	
2	BOJAN DAMJANOVIĆ	INTERNACIONALNI UNIVERZITET TRAVNIK	
3	Isak Skenderović	univerzitet u Tuzli	S. Isak
4	Jupić Miran	IUT-TRAVNIK	
5	Ken Bajrić	University of Tuzla	
6	Valentina Dorić	Sveučilište u Zagrebu	Dorić
7	Manija Ikhović	Sveučilište u Zagrebu	
8	Elma Hodžević	Univerzitet u Tuzli	
9	Edina Stajderenić	PMF-Tuzla	
10	Jasmina Kamberović	PMF Tuzla	
11	Nataleja Vučković	PMF-Zagreb	
12	ZLATKO MIHALJEVIĆ	PMF Zagreb	
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## Annex 10. EVENT REPORT

<b>Title of document</b>	<b>Event report of the training in <u>Practicum in Ecology/Zoology</u></b>
<b>Work Package</b>	WP2
<b>Last version date</b>	(26/05/21)
<b>Status</b>	X Draft          Final
<b>Document version</b>	v.01
<b>File name</b>	Event report of the training <u>Practicum in Ecology/Zoology</u>
<b>Number of pages</b>	
<b>Dissemination Level</b>	Internal

### VERSIONING AND CONTRIBUTION HISTORY

<b>Version</b>	<b>Date</b>	<b>Revision Description</b>	<b>Partner Responsible</b>
<b>v.01</b>	26/05/21	First draft	P8 University of Tuzla

### LIST OF ABBREVIATIONS

Xxxxxxxxxx

## **Purpose, objectives and elements of event**

Purpose and objectives of this event were transfer of the knowledge and skills to participants of the the course Practicum in Ecology/Zoology. The aims of this training are to develop skills of analyzing the conditions at various types of aquatic ecosystems using different animal groups (macroinvertebrates, fishes, amphibians). Structure of the training involved balance of classroom-style lectures, field-based instruction, field and laboratory exercises and integrated group projects, with an aim to provide knowledge about the final assessment tool, including complete aquatic ecosystem assessment based on the zoological part of the biocenosis. Fieldtrips are designed to expose participants to the different types of aquatic ecosystems, management objectives and practices.

## **LIST OF PARTICIPANTS**

### **Lecturers (The University of Zagreb):**

PhD Zlatko Mihaljević, full professor

PhD Marija Ivković, assistant professor

### **Participants:**

PhD Edina Hajdarević, associate professor, The University of Tuzla

PhD Isat Skenderović, associate professor, The University of Tuzla

PhD Elvira Hadžiahmetović Jurida, associate professor, The University of Tuzla

PhD Alen Bajrić, assistant professor, The University of Tuzla

PhD Avdul Adrović, full professor, The University of Tuzla

PhD Jasmina Kamberović, associate professor, The University of Tuzla

PhD Mirano Jupić, assistant professor, International University of Travnik

PhD Bojan Damnjanović, assistant professor, International University of Travnik

PhD Natalija Vučković, The University of Zagreb

Valentina Dorić, mag. biol. exp., The University of Zagreb

## **Date of the 1<sup>st</sup> day**

24<sup>th</sup> May 2021

## **Date of the 2<sup>nd</sup> day**

25<sup>th</sup> May 2021

## **CONCLUSIONS**

According to the answers of the participants, training in Practicum in Ecology/Zoology was very successful and useful.

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

## Part 1: Training Information

Date: 24<sup>th</sup> and 25<sup>th</sup> May 2021

Place: Faculty of Natural Sciences and Mathematics, University of Tuzla, Bosnia and Herzegovina, laboratory of zoology and Modrac Lake

Training: Practicum in Ecology/Zoology (Task Leader P3; other partners involved: P1, P2), develop for: P7, P8)

Lecturers: PhD Zlatko Mihaljević, full professor, PhD Marija Ivković, assistant professor

Training objective: The aims of this training are to develop skills of analyzing the conditions at various types of aquatic ecosystems using different animal groups (macroinvertebrates, fishes, amphibians).

Evaluator name: PhD Edina Hajdarević, associate professor

Signature Edina Hajdarević

Evaluator affiliation: Faculty of Natural Sciences and Mathematics, University of Tuzla, Bosnia and Herzegovina, 211

## Part 2: Organization and Structure

Organizational feature	3 Strongly Agree	2 Agree	1 Disagree	0 Strongly Disagree
The objectives of the training were clearly defined	10 x 3			
Information related to each item prepared well in advance of the training	10 x 3			
The material distributed were helpful and on time	10 x 3			
The presentations met my expectation	10 x 3			
Participation and interactions were encouraged by moderator	10 x 3			
The training objectives were met	10 x 3			
I will be able to apply the training's content in my future work	10 x 3			
The training content was challenging enough	10 x 3			
The timeframe was adequate	10 x 3			
The facilities were adequate	10 x 3			
Skill practice sessions were included	10 x 3			
Suggestion and criticism box (please specify)				

**Total: 330**

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09PRACTICUM IN ECOLOGY-ZOOLOGY: Photos from trainings

