

**ECOBIA 2<sup>nd</sup> Workshop  
Workshop Agenda**

**„New trends in ecological monitoring and aquatic  
bioassessment“**

**University of Tuzla, B&H**

**„Savremeni trendovi u ekološkom monitoringu i  
biološkoj procjeni kvaliteta voda“**

**Univerzitet u Tuzli, Bosna i Hercegovina**

24<sup>th</sup> June 2021- Online (via Zoom platform)

25<sup>th</sup> June 2021 - Hybrid organization: Venue - Amphitheater 010 at FTOS,  
2. oktobra 1, 75 00 Tuzla, B&H and via Zoom platform

<b>ECOBIAS 2<sup>nd</sup> Workshop</b>	
<b>Thursday 24.6.2021.</b>	<b>„New trends in ecological monitoring and aquatic bioassessment“ Workshop day 1- on line participation (Zoom platform) Moderator: Work Package Leader P8 UNTZ Prof. dr. Jasmina Kamberović Task leader P7 Zlatko Mecan</b>
<b>13.00 – 13.10</b>	<b>Participant´s registration and login</b>
<b>13.10 – 13.15</b>	<b>Welcome speech</b> Prof. dr. Vesna Bratovčić, vice rector of the University of Tuzla Prof. dr. Vedad Pašić, Dean of the Faculty of Natural Sciences and Mathematics
<b>13.15 – 13.45</b>	<b>“ECOBIAS ERASMUS + project: New master study program in ecological monitoring and aquatic bioassessment in Bosnia and Herzegovina”</b> <i>/ECOBIAS ERASMUS + projekat: Novi studijski program drugog ciklusa studija iz ekomonitoringa i bioindikacije voda u BiH /</i> Prof. dr. Jasmina Kamberović, Prof.dr. Vedad Pašić, University of Tuzla
<b>13.45 – 14.00</b>	<i>Discussion, questions</i>
<b>14.00 – 14.45</b>	<b>“Monitoring of aquatic ecosystems using Environmental DNA”</b> <i>/Monitoring akvatičnih ekosistema primjenom okolišne DNK/</i> Prof. dr. Florian Leese, University of Duisburg – Essen
<b>14.45 – 15.00</b>	<i>Discussion, questions</i>
<b>15.00 – 16.00</b>	<b>“From water samples to DNA sequences to taxa lists and bioassessment results”</b> <i>/Od uzorka vode do DNK sekvenci, liste vrsta i biološke ocjene ekološkog statusa voda/</i> Prof. dr. Florian Leese, Dr. Martina Weiss, Dr. Arne Beermann University of Duisburg – Essen
<b>16.00 – 16.30</b>	<i>Coffee break</i>
<b>16.30 – 17.00</b>	<b>“Environmental policies in Bosnia and Herzegovina”</b> <i>/Ekološke politike u Bosni i Hercegovini/</i> Doc. dr. Nedžada Tolja, International University of Travnik
<b>17.00 – 17.30</b>	<b>“Greenhouse gas emissions from wastewater treatment plants”</b> <i>Emisije gasova sa efektom staklene bašte iz postrojenja za tretman otpadnih voda</i> Msc Iva Kolinović, University of Donja Gorica, Montenegro
<b>17.30 -18.00</b>	<i>Discussion, conclusions</i>

<b>Friday 25.6.2021</b>	<p style="text-align: center;"><b>Workshop day 2</b>  <b>ECOBIA 2<sup>nd</sup> Workshop</b>  <b>„New trends in ecological monitoring and aquatic bioassessment“</b>  <b>Hybrid organization</b>  <b>Venue: Amphitheater 010 at FTOS; 2. oktobra 1, Tuzla, University of Tuzla (B&amp;H),</b>  <b>and online participation (Zoom platform), Bosnia and Herzegovina</b>  <b>Moderator: Work Package Leader P8 UNTZ</b>  <b>Prof. dr. Jasmina Kamberović</b>  <b>Task leader P7 Zlatko Mecan</b></p>
<b>13.00 – 13.10</b>	<p style="text-align: center;"><b>Participant’s registration and login</b></p>
<b>13:10 – 13.15</b>	<p style="text-align: center;"><b>Welcome speech</b>  Prof. dr. Vedad Pašić, Dean of the Faculty of Natural Sciences and Mathematics</p>
<b>13.15 – 14.00</b>	<p style="text-align: center;"><b>“Climate change and conspiracy theories”</b>  <i>/Klimatske promjene i teorije zavjere/</i>  Prof. dr. Snežana Radulović University of Novi Sad</p>
<b>14.00 – 14.30</b>	<p style="text-align: center;"><i>Discussion and Coffee break</i></p>
<b>14.30 – 15.00</b>	<p style="text-align: center;"><b>“Alochtonous freshwater fish species in Bosnia and Herzegovina”</b>  <i>/Strane slatkovodne ribe u Bosni i Hercegovini/</i>  Prof. dr. Avdul Adrović, University of Tuzla</p>
<b>15.00 – 15.30</b>	<p style="text-align: center;"><b>“Ichthyofauna as a bioindicator in the monitoring of aquatic ecosystems of Republika Srpska (BiH), application and challenges”</b>  <i>“Ihtiofauna kao bioindikator u monitoringu akvatičnih ekosistema Republike Srpske (BiH), primjena i izazovi”</i>  Prof. dr. Dragojla Golub, University of Banja Luka, B&amp;H</p>
<b>15.30 – 16.00</b>	<p style="text-align: center;"><b>“Remote sensing in ecology”</b>  <i>/Daljinska detekcija u ekologiji/</i>  Prof. dr. Dušanka Cvijanović, Mr. sc. Maja Novković  University of Novi Sad</p>
<b>16.00 – 16.30</b>	<p style="text-align: center;"><i>Coffee break</i></p>
<b>16.30 – 17.00</b>	<p style="text-align: center;"><b>Discussion: Labour market needs relevant to ecological monitoring and aquatic bioassessment /EMAB/</b>  <i>“Tržišne potrebe za educiranim kadrom u oblasti ekološkog monitoringa i biološke ocjene kvaliteta voda”</i>  Stakeholders, bussines, NGO and educational sector  Miralem Sejdinović, dipl. Ing. Hem.tehnologije, Institut za kvalitet, standardizaciju i ekologiju, TQM, Lukavac,  Jasmina Ovčina, CISP  students, professors and all participants</p>
<b>17.00 – 18.00</b>	<p style="text-align: center;"><b>Workshop conclusions and evaluation</b></p>



ECOBAS Radionica u okviru 26. Ljetnog Univerziteta u Tuzli, 2021



## Savremeni trendovi u ekološkom monitoringu i biološkoj procjeni kvaliteta voda

Erasmus+ project:

Development of master curricula in ecological monitoring and aquatic bioassessment for Western Balkans HEIs/ECOBAS

Erasmus + projekt:

Razvoj magistarskih studija iz ekološkog monitoringa i biološke procjene slatkovodnih ekosistema u visokoškolskim institucijama Zapadnog Balkana/ECOBAS

**Četvrtak, 24. juni 2021. – online (Zoom)**

13.00 – 13.10 – Registracija

13.10 – 13.15 – Uvodna riječ prorektorice Univerziteta u Tuzli

Prof. dr. Vesna Bratović

13.15 – 13.45 – ECOBIAS ERASMUS + projekat: Novi studijski program drugog ciklusa studija Ekomonitoring i bioindikacija voda

Prof. dr. Jasmina Kamberović, Prof.dr. Vedad Pašić, Univerzitet u Tuzli

14.00 – 16.00 – Monitoring akvatičnih ekosistema primjenom okoljne DNK: od uzorka vode do DNK sekvenci, liste vrsta i biološke ocjene ekološkog statusa voda

Prof. dr. Florian Leese, Dr. Martina Weiss, Dr. Arne Beermann, Univerzitet Duisburg – Essen, Njemačka

16.30 – 17.00 – Ekološke politike u Bosni i Hercegovini

Doc. dr. Nedžada Tolja, IUT, BiH

17.00 – 17.30 – Emisije gasova sa efektom staklene bašte iz postrojenja za tretman otpadnih voda,

Msc Iva Kolinović, Univerzitet Donja Gorica, Crna Gora

17.30 -18.00 – Zaključci

**Petak, 25. juni 2021. Amfiteatar 010 na FTOS-u, Univerzitet u Tuzli /Ulica 2. oktobra 1/ i online (Zoom)**

13.00 – 13.10 – Registracija

13.10 – 13.15 – Uvodna riječ dekana PMF-a

Prof.dr. Vedad Pašić

13.15 – 14.00 – Klimatske promjene i teorije zavjere

Prof. dr. Snežana Radulović, Univerzitet u Novom Sadu

14.30 – 15.00 – Strane slatkovodne ribe u Bosni i Hercegovini

Prof. dr. Avdul Adrović, Univerzitet u Tuzli

15.00 – 15.30 – Ihtiofauna kao bioindikator u monitoringu akvatičnih ekosistema Republike Srpske (BiH), primjena i izazovi

Prof. dr. Dragojla Golub, Univerzitet u Banjoj Luci

15.30 – 16.00 – Daljinska detekcija u ekologiji

Prof. dr. Dušanka Cvijanović, Mr. sc. Maja Novković, Univerzitet Novi Sad

16.30 – 17.00 – Tržišne potrebe za educiranim kadrom u oblasti ekološkog monitoringa i biološke ocjene kvaliteta voda

Miralem Sejdinović, dipl.Ling. TQM, Lukavac, Jasmina Ovcina, CISP, Tuzla

17.00 – 18.00 – Diskusija i zaključci

Registracija: <http://pmf.untz.ba/registracija-ecobias-tuzla-2021/>

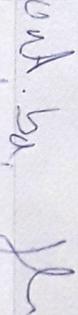
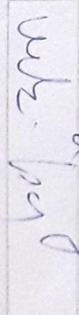


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of the European Union

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## Attendance List

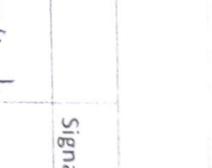
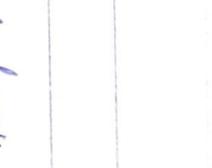
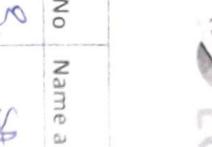
Event	ECOBIAS 2 <sup>nd</sup> Workshop: New trends in ecological monitoring and aquatic bioassessment		
Venue	Hybrid organization: University of Tuzla, Tuzla, Bosnia and Herzegovina, FTOS, 2. oktobra 1, 75 00 Tuzla + Online participation via Zoom <a href="https://us02web.zoom.us/j/82287202651?pwd=anFpdzhmOGlyVWU0MlRTSU11d1lQ3QT09">https://us02web.zoom.us/j/82287202651?pwd=anFpdzhmOGlyVWU0MlRTSU11d1lQ3QT09</a>		
Date	24/06/2021		
Organiser(s)	Prof. dr. Jasmina Kamberović, Prof. dr Vedad Pašić		

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Development of master curricula in ecological monitoring and aquatic bioassessment for Western Balkans HEIs



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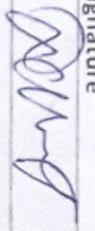
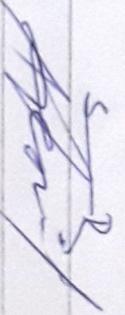
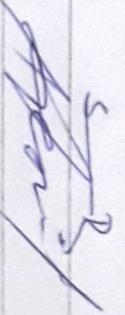
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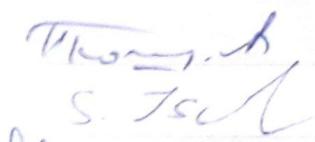
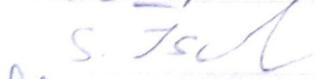
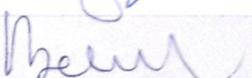
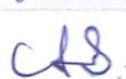
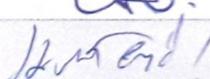
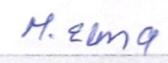
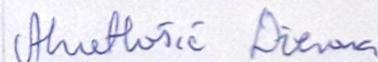
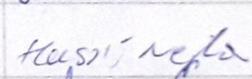
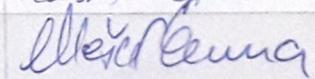
# Attendance List

Event	ECOBIAS 2 <sup>nd</sup> Workshop: New trends in ecological monitoring and aquatic bioassessment		
Venue	Hybrid organization: University of Tuzla, Tuzla, Bosnia and Herzegovina, Lecture Hall 010 at FTOS, 2. oktobra 1, 75 00 Tuzla + Online participation via Zoom <a href="https://us02web.zoom.us/j/82287202651?pwd=anFpdzhmOGlyVU0MjRlSU11d1Q3Q109">https://us02web.zoom.us/j/82287202651?pwd=anFpdzhmOGlyVU0MjRlSU11d1Q3Q109</a>		
Date	25/06/2021		
Organiser(s)	Prof. dr. Jasmina Kamberović, Prof. dr. Vedad Pašić		

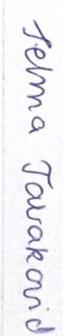
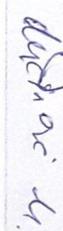
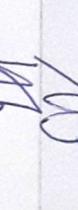
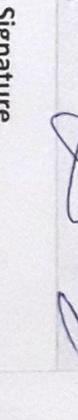
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# Annex 10. EVENT REPORT

<b>Title of document</b>	<b>Event report of the 2<sup>nd</sup> ECOBIAS Workshop</b> <b>“New trends in ecological monitoring and aquatic bioassessment”</b>
<b>Work Package</b>	Dissemination WP5
<b>Last version date</b>	25.06.2021.
<b>Status</b>	Final
<b>Document version</b>	v.01
<b>File name</b>	Event report of the 2 <sup>nd</sup> ECOBIAS Workshop
<b>Number of pages</b>	5
<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>	25/06/21	First draft	UNTZ P8

## LIST OF ABBREVIATION

### Purpose, objectives and elements of event

The Ecobias project aims to develop master's degrees in ecological monitoring and biological assessment of freshwater ecosystems in higher education institutions in the Western Balkans. The Balkan countries are rich in water resources, but their preservation requires a quality monitoring system, institutional cooperation and capacity building in higher education. At the ECOBIAS workshop, participants will be introduced to innovative methodologies applied in ecological water monitoring and the factors that directly affect the reduction of species and ecosystem diversity.

## LIST OF PARTICIPANTS

### Date of the 1<sup>st</sup> day 24/06/2021

**Attendees at UNTZ (16):** Jasmina Kamberović (JK), PMF UNTZ; Sanida Bektić (SB), PMF UNTZ; Vesna Bratovčić (VB), UNTZ; Vedad Pašić (VP) UNTZ; Elvira Hadžiahmetović Jurida (EHJ), PMF UNTZ; Samir Đug (SĐ), UNSA; Adi Vesnić (AV), UNSA; Nusret Drašković (ND), UNSA; Predrag Košutić (PK), UNS; Maja Novković (MN), PMF UNS; Samela Selimović (SS), PMF UNTZ; Samira Huseinović (SH), PMF UNTZ; Avdul Adrović (AA), PMF UNTZ; Snežana Radulović (SR), PMF UNS; Edina Hajdarević (EH), PMF UNTZ; Zlatko Mecan (ZM), IUT Travnik

**Online (33):** Belma Kalamujić Stroil (BKS), INGEB Sarajevo; Iva Kolinovic (IK), Univerzitet Donja Gorica (UDG); Anita Dedic (AD), Sveučilište u Mostaru (SUM); Eldar Razić (ER), student, Univerzitet u Tuzli (UNTZ), Adisa Ahmić (AA) Prirodno-matematički fakultet Tuzla (PMF TZ); Josipa Krezić (JK), Elektroprivreda HZHB; Lejla Čaluk Klačar (LČK), INGEB, Sarajevo; Amela Hercegovac, (AH), UNTZ; Ermin Mašić (EM), Univerzitet u Sarajevu (UNSA), Prirodno-matematički fakultet (PMF), Odsjek za biologiju; Ana Crnkovic (AC), PMF Banja Luka; Alma Čavalić, UNTZ; Aida Sulejmanović (AS), Agencija za vodno područje rijeke Save, Sarajevo (AVPRS); Emina Tvrtković-Husejnović (ETH), AVPRS, Sarajevo; Samra Husaković, UNTZ; Alena Šljuka (AŠ), AVPRS, Sarajevo; Martina Weiss (MW), University of Duisburg-Essen, Germany (UDEG); Florian Leese (FL), UDEG; Arne Beermann (AB) UDEG; Selma Tabaković (ST), PMF UNTZ, Dženeta Klepić (DŽK), PMF Tuzla; Amra Vehab (AV), UNTZ; Denis Žiško (DŽ), Centar za ekologiju i energiju, Tuzla (CEE TZ); Aldina Kesić (AK), UNTZ, Odsjek za hemiju; Emina Mešić (EM), PMF UNTZ; Isat Skenderović (IS), PMF UNTZ; Tamara Četković (TĆ), INGEB Sarajevo; Sabina Hamidović (SH) PMF UNTZ; Maja Palangetić (MP), Tehnološki fakultet Zvornik (TF ZV), Univerzitet u Istočnom Sarajevu (UIS); Sanita Šogolj (SŠ), UNTZ; Anela Pejzić (AP), PMF UNTZ; Emina Dizdarević (ED), AVPRS Sarajevo; Nedžada Tolja (NT), IUT Travnik

### Date of the 2<sup>nd</sup> day 25/6/2021

**Attendees at UNTZ (34):** Adi Vesnić (AV), UNSA; Samir Đug (SĐ), UNSA; Nusret Drešković (ND), PMF UNSA, Predrag Košutić (PK), UNS, Isat Skenderović (IS), PMF UNTZ; Maja Novković (MN), PMF UNS; Samela Selimović (SS), PMF UNTZ; Vesna Bratovčić (VB), UNTZ; Samira Huseinović (SH, PMF UNTZ; Avdul Adrović (AA), PMF UNTZ; Sanida Bektić (SB), PMF UNTZ; Adna Saliharević (AS), PMF UNTZ; Irma Ibrišević (II), PMF UNTZ; Elma Mehmedbegović (EM), PMF UNTZ; Dženan Ahmetbašić (DŽA), PMF UNTZ; Nejla Hasić (NH), PMF UNTZ; Emina Mešić (EM), PMF UNTZ; Snežana Radulović (SR), PMF UNS; Edina Hajdarević (EH), PMF UNTZ; Zlatko Mecan (ZM), IUT Travnik; Miranda Dedić (MD), PMF UNTZ, Selma Tabaković (ST), PMF UNTZ; Jasmina Ovčina (JO), CISP Tuzla, Melisa Mujčinović (MM), PMF UNTZ; Selma Mešić (SM), PMF UNTZ; Nermina Omerbegović (NO), PMF UNTZ; Selma Škrbo (SŠ), PMF UNTZ; Vedad Pašić (VP),

PMF UNTZ; Semir Ahmetbegović (SA), PMF UNTZ; Dževad Mešanović (DŽM), PMF UNTZ; Edin Hadžimustafić (EH), PMF UNTZ; Jasmina Kamberović (JK), PMF UNTZ; Elvira Hadžiahmetović Jurida (EHJ), PMF UNTZ, Alena Bajrić (AB), PMF UNTZ

**Online (14):** Ana Crnković (AC), PMF Banja Luka; Zorana Lukić (ZL), Institut za kvalitet, standardizaciju i ekologiju – TQM; Alena Šljuka (AŠ), AVPRS, Sarajevo; Dragojla Golub, PMF UN Banja Luka; Iva Kolinovic (IK), UDG, Podgorica; Emina Dizdarević (ED), AVPRS, Sarajevo; Alma Čavalić (AČ), UNTZ; Emina Tvrtković-Husejnović (ETH), AVPRS,, Sarajevo; Sabina Hamidović (SH), UNTZ; Amela Hercegovac (AH), PMF UNTZ; Aida Sulejmanovic (AS), AVPRS, Sarajevo; Lejla Malkić (LM), UNTZ; Mirela Šušnjara (MŠ), PMF Zagreb; Belma Kalamujic Stroil (BKS), INGEB, Sarajevo

## Complete list of the participants

Avdul Adrović	UNTZ - PMF
Dragojla Golub	PMF UNIBL
Florian Leese	Essen Duisburg Njemačka
Iva Kolinovic	Univerzitet Donja Gorica
Jasmina Kamberović	UNTZ -PMF
Jasmina Ovčina	CISP
Maja Novković	UNS- PMF
Maja Novković	UNS- PMF
Martina Weiss	University of Duisburg-Essen, Germany
Snežana Radulović	UNS-PMF
Vedad Pašić	UNTZ -PMF
Vesna Bratovčić	UNTZ
Sanida Bektić	UNTZ - PMF
Edina Hajdarevic	UNTZ -PMF
Edina Hajdarević	PMF, Univerzitet u Tuzli
Elvira Hadžiahmetović	
Jurida	PMF Tuzla
Samira Huseinović	UNTZ-PMF
Samira Huseinović	UNTZ-PMF
Zlatko Mecan	IUT Travnik
Adi Vesnić	UNSA
Adna Saliharević	UNTZ -PMF
Ahmić Adisa	PMF Tuzla
Aida Sulejmanović	Agencija za vodno područje rijeke Save, Sarajevo
Aldina Kesić	Univerzitet u Tuzli
Alena Šljuka	Agencija za vodno područje rijeke Save, Sarajevo
Alma Čavalić	Univerzitet u Tuzli
Amela Hercegovac	Univerzitet u Tuzli
Amra Vehab	Univerzitet u Tuzli
Ana Crnkovic	PMF Banja Luka
Anela Pejzić	PMF, Univezitet u Tuzli

Anita Dedic	Sveučilište u Mostaru
Belma Kalamujić Stroil	INGEB Sarajevo
Denis Žiško	Centar za ekologiju i energiju, Tuzla
Dženana Ahmetbašić	UNTZ -PMF
Dženeta Klepić	PMF Tuzla
Eldar Razić	Univerzitet u Tuzli
Elma Mehmedbegović	UNTZ -PMF
Emina Dizdarević	Agencija za vodno područje rijeke Save
Emina Mešić	Univerzitet u Tuzli, Prirodno-matematički fakultet Tuzla.
Emina Tvrtković- Husejnović	Agencija vodno područje rijeke Save, Sarajevo Univerzitet u Sarajevu, Prirodno-matematički fakultet, Odsjek za biologiju.
Ermin Mašić	Univerzitet u Tuzli, Prirodno-matematički fakultet
Hamidović Sabina	UNTZ -PMF
Irma Ibrišević	Univerzitet u Tuzli, Prirodno-matematički fakultet Tuzla.
Isat Skenderović	Elektroprivreda HZHB
Josipa Krezić	INGEB, Sarajevo
Lejla Čaluk Klačar	Univerzitet u Tuzli
Lejla Malkić	Tehnološki fakultet Zvornik, Univerzitet u Istočnom Sarajevu
Maja Palangetić	UNTZ -PMF
Melisa Mujčinović	UNTZ -PMF
Miranda Dedić	PMF Zagreb
Mirela Šušnjara	UNTZ -PMF
Nejla Hasić	UNTZ -PMF
Omerbegović Nermina	UNS - PMF
Predrag Košutić	UNTZ-PMF
Samela Selimović	UNSA
Samir Đug	Univerzitet u Tuzli
Samra Husaković	Univerzitet u Tuzli
Sanita Šogolj	UNTZ -PMF
Selma Mešić	UNTZ -PMF
Selma Škrbo	Univerzitet u Tuzli, Prirodno - matematički fakultet Tuzla
Selma Tabaković	Institut za genetičko inženjerstvo i biotehnologiju, Univerzitet u Sarajevu
Tamara Četković	Institut za kvalitet, standardizaciju i ekologiju – TQM
Zorana Lukić	

## CONCLUSION

The Ecobias workshop, according to the quality assessment, achieved the goal of educating participants about new trends in monitoring.

A total of 63 participants participated in the ECOBIAS workshop. In addition to the students who were the most numerous, the workshops were attended by professors, representatives of agencies, institutes and civil society organizations. The workshop was attended by representatives from B&H, Serbia, Montenegro, Croatia and Germany. Special attention is paid to curriculum analysis, market needs and the promotion of the new EMAB master.

*The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, the Commission cannot be held responsible for any use which may be made of the information contained*

# Annex 5. Summary of the Participant Feedback Form for Workshop

## ECOBIAS 2<sup>nd</sup> Workshop „New trends in ecological monitoring and aquatic bioassessment“

### Part 1: Workshop

Date 24/06/2021.

25/06/2021.

Place University of Tuzla, Tuzla, Bosnia and Herzegovina, Lecture Hall 010 at FTOS; 2. oktobra 1, 75 000 Tuzla,

Event objective The Ecobias project aims to develop master's degrees in ecological monitoring and biological assessment of freshwater ecosystems in higher education institutions in the Western Balkans. The Balkan countries are rich in water resources, but their preservation requires a quality monitoring system, institutional cooperation and capacity building in higher education. At the ECOBIAS workshop, participants will be introduced to innovative methodologies applied in ecological water monitoring and the factors that directly affect the reduction of species and ecosystem diversity.

Evaluator name Prof. dr. Sanida Bektić

Signature 

Evaluator affiliation: Univerzitet u Tuzli

## Part 2: Organization and Structure

Organizational feature	3 Strongly Agree	2 Agree	1 Disagree	0 Strongly Disagree
The objectives of the event were clearly defined	39x3=117	1x2=2		
Information related to each item prepared well in advance of the event	40x3=120			
The material distributed were helpful and on time	39x3=117	1x2=2		
The presentations met my expectation	39x3=117	1x2=2		
Participation and interactions were encouraged by moderator	38x3=114	2x2=4		
The event objectives were met	38x3=114	2x2=4		
I will be able to apply the event's content in my future work	34x3=102	6x2=4		
The event content was challenging enough	36x3=108	3x2=6		
The timeframe was adequate	34x3=102	6x2=12		
The facilities were adequate	34x3=102	6x2=12		
Skill practice sessions were included	36x3=108	4x2=8		
Suggestion and criticism box (please specify)				
	1221	64		Total:1285  Average: 1285/40 participants/11 questions= 2,92

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## WORKSHOP MINUTES

### Erasmus + Project No ECOBIAS\_609967-EPP-1-2019-1-RS-EPPKA2-CBHE-JP

#### Development of master curricula in ecological monitoring and aquatic bioassessment for Western Balkans HEIs/ECOBIAS

**Workshop:** ECOBIAS 2<sup>nd</sup> Workshop “New trends in ecological monitoring and aquatic bioassessment”

**Location:** University of Tuzla (UNTZ), Tuzla, and on-line participation (Zoom platform), Bosnia and Herzegovina (BiH)

24 June 2021- Online (via Zoom platform)

25 June 2021 - Hybrid organization: Venue-Lecture Theatre 010 at the Faculty of Physical Education and Sports (FTOS, UNTZ)), 2. oktobra 1, 75000 Tuzla, BiH, and via Zoom platform

**Date and time:** 24 and 25 June 2021

**Workshop organized by:** Dr. Jasmina Kamberović (JK), WP5 Leader, Vedad Pašić (VP), UNTZ and Vesna Bratovčić (VB) UNTZ

**Minutes written by:** Dr. Elvira Hadžiahmetović Jurida (EHJ, PMF UNTZ)

#### Agenda:

<b>ECOBIAS 2<sup>nd</sup> Workshop</b>	
<b>Thursday 24.6.2021.</b>	<b>„New trends in ecological monitoring and aquatic bioassessment“ Workshop day 1- on line participation (Zoom platform) Moderator: Work Package Leader P8 UNTZ Prof. dr. Jasmina Kamberović Task leader P7 Zlatko Mekan</b>
<b>13.00– 13.10</b>	<b>Participant’s registration and login</b>
<b>13.10–13.15</b>	<b>Welcome speech</b> Prof. dr. Vesna Bratovčić, vice rector of the University of Tuzla Prof. dr. Vedad Pašić, Dean of the Faculty of Natural Sciences and Mathematics
<b>13.15 –13. 45</b>	<b>“ECOBIAS ERASMUS + project: New master study program in ecological monitoring and aquatic bioassessment in Bosnia and Herzegovina“</b> <i>/ECOBIAS ERASMUS + projekat: Novi studijski program drugog ciklusa studija iz ekomonitoringa i bioindikacije voda u BiH /</i>

	Prof.dr. Jasmina Kamberović, Prof.dr. Vedad Pašić, University of Tuzla
<b>13.45 – 14.00</b>	<i>Discussion, questions</i>
<b>14.00 – 14.45</b>	<b>“Monitoring of aquatic ecosystems using Environmental DNA”</b> <i>/Monitoring akvatičnih ekosistema primjenom okolišne DNK/</i> Prof. dr. Florian Leese, University of Duisburg – Essen
<b>14.45 – 15.00</b>	<i>Discussion, questions</i>
<b>15.00 – 16.00</b>	<b>“From water samples to DNA sequences to taxa lists and bioassessment results”</b> <i>/Od uzorka vode do DNK sekvenci, liste vrsta i biološke ocjene ekološkog statusa voda/</i> Prof. dr. Florian Leese, Dr. Martina Weiss, Dr. Arne Beermann University of Duisburg – Essen
<b>16.00– 16.30</b>	<i>Coffee break</i>
<b>16.30 – 17.00</b>	<b>“Environmental policies in Bosnia and Herzegovina”</b> <i>/Ekološke politike u Bosni i Hercegovini/</i> Doc.dr. Nedžada Tolja, International University of Travnik
<b>17.00 – 17.30</b>	<b>“Greenhouse gas emissions from wastewater treatment plants”</b> <i>Emisije gasova sa efektom staklene bašte iz postrojenja za tretman otpadnih voda</i> Msc Iva Kolinović, University of Donja Gorica, Montenegro
<b>17.30 -18. 00</b>	<i>Discussion, conclusions</i>

**Minutes:** **Thursday, 24.6.2021.**

**Attendees at UNTZ (16):** Jasmina Kamberović (JK), PMF UNTZ; Sanida Bektić (SB), PMF UNTZ; Vesna Bratovčić (VB), UNTZ; Vedad Pašić (VP) UNTZ; Elvira Hadžiahmetović Jurida (EHJ), PMF UNTZ; Samir Đug (SĐ), UNSA; Adi Vesnić (AV), UNSA; Nusret Drašković (ND), UNSA; Predrag Košutić (PK), UNS; Maja Novković (MN), PMF UNS; Samela Selimović (SS), PMF UNTZ; Samira Huseinović (SH), PMF UNTZ; Avdul Adrović (AA), PMF UNTZ; Snežana Radulović (SR), PMF UNS; Edina Hajdarević (EH), PMF UNTZ; Zlatko Mecan (ZM), IUT Travnik

**Online (33):** Belma Kalamujić Stroil (BKS), INGEB Sarajevo; Iva Kolinovic (IK), Univerzitet Donja Gorica (UDG); Anita Dedic (AD), Sveučilište u Mostaru (SUM); Eldar Razić (ER), student, Univerzitet u Tuzli (UNTZ), Adisa Ahmić (AA) Prirodno-matematički fakultet Tuzla (PMF TZ); Josipa Krezić (JK), Elektroprivreda HZHB; Lejla Čaluk Klačar (LČK), INGEB, Sarajevo; Amela Hercegovac, (AH), UNTZ; Ermin Mašić (EM), Univerzitet u Sarajevu (UNSA), Prirodno-matematički fakultet (PMF), Odsjek za biologiju; Ana Crnkovic (AC), PMF Banja Luka; Alma Čavalić, UNTZ; Aida Sulejmanović (AS), Agencija za vodno područje rijeke Save, Sarajevo (AVPRS); Emina Tvrtković-Husejnović (ETH), AVPRS, Sarajevo; Samra Husaković, UNTZ; Alena Šljuka (AŠ), AVPRS, Sarajevo; Martina Weiss (MW), University of Duisburg-Essen, Germany (UDEG); Florian Leese (FL), UDEG; Arne Beermann (AB) UDEG; Selma Tabaković (ST), PMF UNTZ, Dženeta Klepić (DŽK), PMF Tuzla; Amra Vehab (AV), UNTZ; Denis Žiško (DŽ), Centar za ekologiju i energiju, Tuzla (CEE TZ); Aldina Kesić (AK), UNTZ, Odsjek za hemiju; Emina Mešić (EM), PMF UNTZ; Isat Skenderović (IS), PMF UNTZ; Tamara Četković (TĆ), INGEB Sarajevo; Sabina Hamidović (SH) PMF UNTZ; Maja Palangetić (MP), Tehnološki fakultet Zvornik (TF ZV), Univerzitet u Istočnom Sarajevu (UIS); Sanita Šogolj (SŠ), UNTZ; Anela Pejzić (AP), PMF UNTZ; Emina Dizdarević (ED), AVPRS Sarajevo; Nedžada Tolja (NT), IUT Travnik

The meeting was opened at 13:00h by Vesna Bratovčić (VB) who welcomed all attendees and wished them a successful follow-up to the great work carried out so far. Workshop was organized in the frame of the 26<sup>th</sup> Summer University of Tuzla, and VB as the main organizer of the LJUT welcomed all participants to this traditional university event.

### **AGENDA ITEM 1 – “ECOBIA ERASMUS + project: New master study program in ecological monitoring and aquatic bioassessment in Bosnia and Herzegovina”**

JK welcomed the attendees, introduced VP who addressed the meeting and greeted the guests from Germany, highlighting the importance of ECOBIAS and the introduction of a new study programme at the masters level, and regional networking.

JK provided a more detailed overview of ECOBIAS (ppt).

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### **AGENDA ITEM 2 – “Monitoring of aquatic ecosystems using Environmental DNA”**



FL was introduced by JK as a partner working on DNA methodology. FL gave a presentation on the monitoring of aquatic ecosystems using environmental DNA.

**AGENDA ITEM 3 – “From water samples to DNA sequences to taxa lists and bioassessment results”**

FL presented his second topic of the day by sharing a ppt, which was followed by a practical DNA-related task, which was followed by a discussion. BK and JK enquired about sample prices and their availability.

**AGENDA ITEM 4 - “Environmental policies in Bosnia and Herzegovina”**

NT gave a presentation concerning environmental policies in BiH, underlining waste management issues and inadequate protection measures. AA asked about what to do given the current state of affairs. NT replied it was up to the relevant authorities to act or wait for the EU response.

**AGENDA ITEM 5 - “Greenhouse gas emissions from wastewater treatment plants”**

IK presented on the topic of greenhouse gas emissions with a particular focus on wastewater treatment (ppt to be shared).

The meeting was closed at 18:00 hrs.

**Agenda:**

<b>Friday 25.6.2021.</b>	<b>Workshop day 2 ECOBIAS 2<sup>nd</sup> Workshop „New trends in ecological monitoring and aquatic bioassessment“ Hybrid organization Venue: Amphitheater010 at FTOS; 2. oktobra 1, Tuzla, University of Tuzla (B&amp;H), and online participation (Zoom platform), Bosnia and Herzegovina Moderator: Work Package Leader P8 UNTZ Prof. dr. Jasmina Kamberović Task leader P7 Zlatko Mecan</b>
<b>13.00 – 13.10</b>	<b>Participant's registration and login</b>
<b>13:10 – 13.15</b>	<b>Welcome speech</b> Prof. dr. Vedad Pašić, Dean of the Faculty of Natural Sciences and Mathematics
<b>13.15 –14.00</b>	<b>“Climate change and conspiracy theories”</b> <i>/Klimatskepromjeneiteorijezavjere/</i> Prof. dr.SnežanaRadulović University of Novi Sad
<b>14.00 – 14.30</b>	<i>Discussion and Coffee break</i>
<b>14.30 – 15.00</b>	<b>“Alochtonous freshwater fish species in Bosnia and Herzegovina”</b> <i>/Strane slatkovodne ribe u Bosni i Hercegovini/</i> Prof. dr. Avdul Adrović, University of Tuzla
<b>15.00 – 15.30</b>	<b>“Ichthyofauna as a bioindicator in the monitoring of aquatic ecosystems of Republika Srpska (BiH), application and challenges”</b> <i>“Ihtiofauna kao bioindikator u monitoring akvatičnih ekosistema Republike Srpske (BiH), primjena i izazovi”</i> Prof. dr.Dragojla Golub, University of Banja Luka, B&H
<b>15.30 – 16.00</b>	<b>“Remote sensing in ecology”</b> <i>/Daljinska detekcija u ekologiji/</i> Prof. dr. Dušanka Cvijanović, Mr. sc. Maja Novković University of Novi Sad
<b>16.00 – 16.30</b>	<i>Coffee break</i>
<b>16.30 – 17.00</b>	<b>Discussion: Labour market needs relevant to ecological monitoring and aquatic bioassessment /EMAB/</b> <i>“Tržišne potrebe za educiranim kadrom u oblasti ekološkog monitoringa i biološke ocjene kvaliteta voda”</i> Stakeholders, bussines, NGO and educational sector Miralem Sejdinović, dipl. Ing. Hem.tehnologije, Institut za kvalitet, standardizaciju i ekologiju, TQM, Lukavac, Jasmina Ovčina, CISP students, professors and all participants
<b>17.00 – 18.00</b>	<b>Workshop conclusions and evaluation</b>

**Minutes:      Friday, 25.6.2021.**

**Attendees at UNTZ (34):** Adi Vesnić (AV), UNSA; Samir Đug (SĐ), UNSA; Nusret Drešković (ND), PMF UNSA, Predrag Košutić (PK), UNS, Isat Skenderović (IS), PMF UNTZ; Maja Novković (MN), PMF UNS; Samela Selimović (SS), PMF UNTZ; Vesna Bratovčić (VB), UNTZ; Samira Huseinović (SH, PMF UNTZ; Avdul Adrović (AA), PMF UNTZ; Sanida Bektić (SB), PMF UNTZ; Adna Saliharević (AS), PMF UNTZ; Irma Ibrišević (II), PMF UNTZ; Elma Mehmedbegović (EM), PMF UNTZ; Dženan Ahmetbašić (DŽA), PMF UNTZ; Nejla Hasić (NH), PMF UNTZ; Emina Mešić (EM), PMF UNTZ; Snežana Radulović (SR), PMF UNS; Edina Hajdarević (EH), PMF UNTZ; Zlatko Mecan (ZM), IUT Travnik; Miranda Dedić (MD), PMF UNTZ, Selma Tabaković (ST), PMF UNTZ; Jasmina Ovčina (JO), CISP Tuzla, Melisa Mujčinović (MM), PMF UNTZ; Selma Mešić (SM), PMF UNTZ; Nermina Omerbegović (NO), PMF UNTZ; Selma Škrbo (SŠ), PMF UNTZ; Vedad Pašić (VP), PMF UNTZ; Semir Ahmetbegović (SA), PMF UNTZ; Dževad Mešanović (DŽM), PMF UNTZ; Edin Hadžimustafić (EH), PMF UNTZ; Jasmina Kamberović (JK), PMF UNTZ; Elvira Hadžiahmetović Jurida (EHJ), PMF UNTZ, Alena Bajrić (AB), PMF UNTZ

**Online (14):** Ana Crnković (AC), PMF Banja Luka; Zorana Lukić (ZL), Institut za kvalitet, standardizaciju i ekologiju – TQM; Alena Šljuka (AŠ), AVPRS, Sarajevo; Dragojla Golub, PMF UN Banja Luka; Iva Kolinovic (IK), UDG, Podgorica; Emina Dizdarević (ED), AVPRS, Sarajevo; Alma Čavalić (AČ), UNTZ; Emina Tvrtković-Husejnović (ETH), AVPRS,, Sarajevo; Sabina Hamidović (SH), UNTZ; Amela Hercegovac (AH), PMF UNTZ; Aida Sulejmanovic (AS), AVPRS, Sarajevo; Lejla Malkić (LM), UNTZ; Mirela Šušnjara (MŠ), PMF Zagreb; Belma Kalamujic Stroil (BKS), INGEB, Sarajevo

On the second day of the Workshop, the meeting was opened by JK at 13:00, by giving the floor to VP, who welcomed all in attendance and introduced the 2<sup>nd</sup> day event within Tuzla Summer University. In addition, ND (PMF Sarajevo, Dean) addressed the meeting by explaining the mobility character of the project.

### **AGENDA ITEM 1 –“Climate change and conspiracy theories”**

SR gave a presentation on climate changes and conspiracy theories, which was followed by an interesting discussion and dialogue with students in particular.

### **AGENDA ITEM 2 –“Alochtonous freshwater fish species in Bosnia and Herzegovina”**

AA presented the situation concerning alochtonous freshwater fish species in BiH. There were questions from JK and JO which received adequate replies.

### **AGENDA ITEM 3 – “Ichthyofauna as a bioindicator in the monitoring of aquatic ecosystems of Republika Srpska (BiH), application and challenges”**

DG gave a presentation on the ichthyofauna as a bioindicator in the monitoring of aquatic ecosystems of Republika Srpska (BiH), its application and challenges. JK enquired about the biological status index. AA asked about the EFI index and standardisation of indexes.

**AGENDA ITEM 4 – “Remote sensing in ecology”**

MN address the meeting by presenting on the issue of remote sensing in ecology, the usage of various types of satellites in ecology, and recording, with a reference to georeferencing.

**AGENDA ITEM 5 - Discussion: Labour market needs relevant to ecological monitoring and aquatic bioassessment /EMAB/**

JO addressed the meeting from the CISP aspect, with a particular focus on the students in attendance.

At the end of the session, EH and DŽM presented the assembly of a drone and video recording by using a drone, as a practical exercise for the attendees.

The meeting was closed at 18:00 hrs after evaluation process.

# PROGRAM

## 26. Ljetnog Univerziteta Tuzla - 21.-25. 06. 2021. godine

### PONEDELJAK 21.06.2021. GODINE

13.30-14.00

#### OTVARENJE LJETNOG UNIVERZITETA U TUZLI - LJUT 2021

Pozdravna riječ organizatora LJUT 2021

- Prof.dr.sci. Nermina Hadžigrahić, Rektor
- Prof.dr.sci. Nermin Sarajlić, Prorektor za naučno-istraživački rad
- Prof.dr.sci. Vesna Bratovčić, Prorektor za međuniverzitetsku saradnju u zemlji i inostranstvu
- Prof.dr.sci. Jasmin Suljagić, Prorektor za nastavu i studentska pitanja
- Prof.dr.sci. Damir Zenunović, Voditelj Centra za osiguranje kvaliteta

#### Fakultet za tjelesni odgoj i sport (FTOS) - Amfiteatar

ZOOM LINK: <https://us02web.zoom.us/j/85464373102?pwd=NWtUdThrUGJrS1RRdDdPS2dGaUJHZA09>

14.00 - 16.00

#### PANEL DISKUSIJA - INTERNACIONALNE PERSPEKTIVE UNIVERZITETA U TUZLI

14.00-14.10 Uvodna riječ moderatora

14.10-15.10 Prezentacije panelista

- Prof.dr.sci. Mirsad Đonlagić, Prorektor za međunarodnu saradnju Univerziteta u Tuzli u periodu 1998 - 2010
- Prof.dr.sci. Ahmed Kovačević, The City University, London, U.K.
- Prof.dr.sci. Edhem Čustović, La Trobe University, Australia
- Dalila Suhonjić, Specialist, Education and Employability Advisory, IFC, Canada
- Suad Muhibić, National Erasmus+ Office in BiH

15.10-15.20 Pauza

15.20-16.00 Diskusija

#### Fakultet za tjelesni odgoj i sport (FTOS) - Amfiteatar

ZOOM LINK: <https://us02web.zoom.us/j/85464373102?pwd=NWtUdThrUGJrS1RRdDdPS2dGaUJHZA09>

REGISTRACIJA: <https://forms.gle/tHy8p6vdZAwoF4pC6>

16.00-16.30 Prozračivanje i dezinfekcija prostorija

16.30 - 18.30

#### RADIONICA-PREPOZNAVANJE, PREVENCIJA I SUZBIJANJE SEKSUALNOG UZNEMIRAVANJA

Voditeljica radionice: Selma Mustačević, BA ekonomije, Amica Educa Tuzla

16.30-16.40 Uvodna riječ moderatora

16.40-17.30 Mapiranje aktuelne situacije

17.30-17.40 Pauza

17.40-18.30 Definisane narednih koraka

#### Fakultet za tjelesni odgoj i sport (FTOS) - Amfiteatar

ZOOM LINK: <https://us02web.zoom.us/j/86334160658?pwd=bzJkdTBvdXI1TWlcmPnFOlwaWZvZz09>

REGISTRACIJA: <https://forms.gle/cctxnRSpdBpztFDZ8>

18.00-19.00

RADIONICA "Osnovi glumačke tehnike po metodu Lee Strasberg-a iz vizure glumca"

Voditelj radionice: Almir Kurtić, diplomirani glumac

I dio: Upoznavanje i predstavljanje diplomiranog studenta ADU polaznika The Lee Strasberg Theatre & Film Institute-u, u New York-u.

II dio: Uvodno izlaganje o glumačkom metodu Lee Strasberg-a.

III dio: Prezentacija vježbi iz procesa rada na metodu glume Lee Strasberg -a.

IV dio: Razmjena iskustva učesnika kroz formu pitanja i odgovora na temu radionice i školovanja.

#### Akademija dramskih usmjernosti—Vježbaonica br. 3

ZOOM LINK: <https://us02web.zoom.us/j/84287135096?pwd=WEs2N1htL3hSTngvL3N3UkJSEpUdz09>

REGISTRACIJA: <https://forms.gle/wmr8KapRnflD96fQ7>

### UTORAK 22.06.2021.

9.00-17.00

INTERNATIONAL ONLINE PODIUM IOP 2021 - Exploring ideas for the professional management of selected social problems and challenges in Bosnia & Herzegovina and Switzerland

DAY 1- Reflection & Discourse' for professional development

08.45-09.00 Arrival Introduction platform & online tools

09.00-09.40 Welcome Introduction into conference agenda

09.40-10.15 Group Session 1

Getting to know each other and reflexive approach to the topics

10.15-10.45 Podium Discussion 1

International, inter- and transdisciplinary cooperation Opportunities and challenges

10.45-11.15 Coffee break

11.15-12.45 Input 1

Understanding of reflection and working on cases Introducing the model of 'key situations'

12.45-14.15 Lunch break

14.15-15.45 Workshop Part 1

Making the 'key situation' model tangible

Work on specific cases from the Bosnian and Swiss field of practice

15.45-16.00 Coffee break

16.00-16.45 Workshop Part 2

Experience and results sharing CH and BiH perspective on 'reflection'

16.45-17.00 Conclusions

ZOOM LINK: <https://us02web.zoom.us/j/81925401149?pwd=aXQ2eStrYUx5ZnpseidmVTdORXlnQT09>

10.00 - 13.00

#### ONLINE RADIONICA: SCOPUS PLATFORMA—KRITERIJI I PROCEDURE ODABIRA ČASOPISA

Voditeljica radionice: Kate Patyrak, Elsevier Research Intelligence

10.00-10.10 Uvodna riječ modertora

10.10-11.00 Upoznavanje s platformom Scopus

11.00-11.10 Pauza

11.10-11.30 Diskusija

11.30-12.30 Kriteriji i postupak odabira

12.30-13.00 Diskusija

ZOOM LINK: <https://us02web.zoom.us/j/82374524467?pwd=TVpabkV1d2VIRDQxVzFPbVJ3ekNzUT09>

REGISTRACIJA: <https://forms.gle/XGCrFjY2GYFV966a8>

14.00-16.00

#### PREDAVANJE—TOP STRATEGIJE ZA ONLINE NASTAVU

Predavač: Nedim Slijepčević, Ed.D., Eastern Kentucky University (EKU)

14.00-14.10 Uvodna riječ moderatora

14.10-14.50 Različite instrukciono-dizajnerske i pedagoške metode za poboljšanje kvaliteta online nastave

14.50-15.00 Pauza

15.00-16.00 Diskusija

#### Fakultet za tjelesni odgoj i sport (FTOS) - Amfiteatar

ZOOM LINK: <https://us02web.zoom.us/j/83798531918?pwd=VmNtTDFaTzQwT2p6MGQwVUhdN1N2UT09>

REGISTRACIJA: <https://forms.gle/u23hSCiaCpMgAr56>

### SRIJEDA 23.06.2021.

9.00-17.00

INTERNATIONAL ONLINE PODIUM IOP 2021 - Exploring ideas for the professional management of selected social problems and challenges in Bosnia & Herzegovina and Switzerland

DAY 2 - 'Flight &Trauma' as a societal and professional challenge

08.45-09.00 Arrival

09.00-10.15 Workshop 'Photovoice' method for sharing meanings Introduction of method and practical application

09.40-10.15 Group Session 1 Getting to know each other and reflexive approach to the topics

10.15-10.45 Input 2 Theoretical basis for exploration project 'Flight & Trauma' Connections to Social Work/ Social Pedagogy

10.45-11.15 Coffee break

11.15-12.45 Input 3 Exploration project 'Flight & Trauma'

Methodological approach and results

Group Session 2 Discussion of findings and critical reflection

Exchange on methodological approach, findings and perception

12.45-14.15 Lunch break

14.15-15.45 Input 4 – 6 Spotlight on the refugee situation and trauma

Various perspectives

Podium Discussion 2

Bosnian and Swiss experts in discussion about experiences, challenges and insights concerning 'Flight & Trauma'

15.45-16.00 Coffee break

16.00-16.45 Group Session 3

Lessons learned

Evaluation

16.45-17.00 Review and farewell

ZOOM LINK: <https://us02web.zoom.us/j/81925401149?pwd=aXQ2eStrYUx5ZnpseidmVTdORXlnQT09>

11.00-13.00

#### ERASMUS+ PARTY - PROMOCIJA ERASMUS+ MOBILNOSTI

#### KAMPUS UNIVERZITETA U TUZLI

Promocija mobilnosti studenata i osoblja

Dj Vanja

#### RED BULL PROGRAM

#### ISKLUČIVO OFFLINE!

13.00-16.00

#### RACIONALIZACIJA POSTUPAKA AKREDITACIJE STUDIJSKIH PROGRAMA (KLASTERI STUDIJSKIH PROGRAMA)

13.00-13.05 Pozdravna riječ organizatora

13.05-13.10 Prezentacija prijedloga klastera studijskih programa Univerziteta u Tuzli - Moderator

13.10-13.20 Prof.dr.sci. Sonja Vila, Sveučilište Josipa Jurja Strossmayera, Osijek

13.20-13.30 Prof.dr.sci. Renata Baličević, Sveučilište Josipa Jurja Strossmayera, Osijek

13.30-13.40 Prof.dr.sci. Jasna Adamov, Univerzitet u Novom Sadu

13.40-13.50 Prof.dr.sci. Sanja Peković, Univerzitet Crne Gore

13.50-14.00 Prof.dr.sci. Atanas Kočov, Agencija za kvalitet visokog obrazovanja Republike Sjeverne Makedonije

14.00-14.10 Prof.dr.sci. Meri Cvetkovska, Nacionalno telo za akreditaciju i proveru kvaliteta u visokom obrazovanju Republike Srbije

14.10-14.20 Prof.dr.sci. Malik Čabaravdić, Univerzitet u Zenici

14.20-14.30 mr.sci. Enes Dedić, Univerzitet u Bihaću

14.30-14.40 Marina Cicović, stručna savjetnica za osiguranje kvaliteta i Maja Macan, viša stručna saradnica, Sektor za osiguranje kvaliteta Agencije za razvoj visokog obrazovanja i osiguranje kvaliteta Bosne i Hercegovine

**PROGRAM**  
**26. Ljetnog Univerziteta Tuzla - 21.-25. 06. 2021. godine**

- 14.40-14.50 Pauza i prijava diskutanata za drugi dio panel diskusije  
14.50-15.55 Diskusija  
15.55-16.00 Formulisanje zaključka panel diskusije

**Fakultet za tjelesni odgoj i sport (FTOS) - Amfiteatar**

ZOOM LINK: <https://us02web.zoom.us/j/85639785330?pwd=alFBLzBSWVd1YWp2cXlTT25CenBwdz09>  
REGISTRACIJA: <https://forms.gle/aWGm6EPIV5jBJLM6>

**ČETVRTAK 24.06.2021.**

14.00-16.00  
**PERSPEKTIVE RAZVOJA VANREDNIH STUDIJA I KRATKIH CIKLUSA UČENJA U VISOKOM OBRAZOVANJU BOSNE I HERCEGOVINE**

- 14:00-14:10 Riječi dobrodošlice  
14:00-14:20 Izjave za medije  
14:20-15:00 Prezentacija projekta Razvoj vanrednih studija i kratkih ciklusa učenja u visokom obrazovanju Bosne i Hercegovine - Development of part-time and short cycle studies in higher education in Bosnia and Herzegovina (PARTISH)  
• Prof. dr. Mirko Savić, Univerzitet u Novom Sadu, Ekonomski fakultet u Subotici, Republika Srbija  
• Doc. dr. Nemanja Berber, Univerzitet u Novom Sadu, Ekonomski fakultet u Subotici, Republika Srbija  
15:00-16:00 Diskusija  
Zakonski okvir  
• Resor za visoko obrazovanje – Ministarstvo za naučnotehnološki razvoj, visoko obrazovanje i informaciono društvo Republike Srpske  
• Ministarstvo za nauku, visoko obrazovanje i mlade Kantona Sarajevo  
• Ministarstvo obrazovanja i nauke Tuzlanskog kantona  
Kvalifikacioni okvir  
• Centar za informiranje i priznavanje dokumenata iz oblasti visokog obrazovanja Visok-školske institucije  
• Univerzitet u Istočnom Sarajevu  
• Sveučilište u Mostaru  
• Univerzitet u Tuzli  
Poslodavci  
• Privredna komora FBiH  
• Kantonalna privredna komora Tuzla

**Fakultet za tjelesni odgoj i sport (FTOS) - Amfiteatar**

ZOOM LINK: <https://us02web.zoom.us/j/87117882828?pwd=SjM1MEp1NDRmQjc4OFQzbVFQbk55QT09>  
REGISTRACIJA: <https://forms.gle/ZsPKzs9Vu1ff6X3z6>

13.00-18.00  
**„NEW TRENDS IN ECOLOGICAL MONITORING AND AQUATIC BIOASSESSMENT“ WORKSHOP DAY 1**  
- Online participation (Zoom platform)

- 13.00-13.10 Participant's registration and login  
13.10-13.15 Welcome speech  
Prof. dr. Vesna Bratovčić, vice rector of the University of Tuzla  
Prof. dr. Vedad Pašić, Dean of the Faculty of Natural Sciences and Mathematics  
13.15-13.45 "ECOBIA ERASMUS + project: New master study program in ecological monitoring and aquatic bioassessment in Bosnia and Herzegovina"  
/ECOBIA ERASMUS + projekat: Novi studijski program drugog ciklusa studija iz ekomonitoringa i bioindikacije voda u BiH /  
Prof. dr. Jasmina Kamberović,  
Prof. dr. Vedad Pašić, University of Tuzla

13.45-14.00 Discussion, questions

- 14.00-14.45 "Monitoring of aquatic ecosystems using Environmental DNA"/Monitoring akvatičnih ekosistema primjenom okolišne DNK/  
Prof. dr. Florian Leese, University of Duisburg – Essen  
14.45-15.00 Discussion, questions  
15.00-16.00 "From water samples to DNA sequences to taxa lists and bioassessment results"  
/Od uzorka vode do DNK sekvenci, liste vrsta i biološke ocjene ekološkog statusa voda/  
Prof. dr. Florian Leese, Dr. Martina Weiss, Dr. Arne Beermann  
University of Duisburg – Essen  
16.00-16.30 Coffee break  
16.30-17.00 "Environmental policies in Bosnia and Herzegovina"  
/Ekološke politike u Bosni i Hercegovini/  
Doc. dr. Nedžada Tolja, International University of Travnik  
17.00-17.30 "Greenhouse gas emissions from wastewater treatment plants"  
Emisije gasova sa efektom staklene bašte iz postrojenja za tretman otpadnih voda  
Msc Iva Kolinović, University of Donja Gorica, Montenegro  
17.30 -18.00 Discussion, conclusions

ZOOM LINK: <https://us02web.zoom.us/j/82287202651?pwd=anFpdzhmOGlyVUU0MjRTSU11d1Q3QT09>  
REGISTRACIJA: <http://pmf.untz.ba/registracija-ecobias-tuzla-2021/>

**PETAK, 25. 06. 2021.**

**Workshop day 2**  
**ECOBIA 2nd Workshop „NEW TRENDS IN ECOLOGICAL MONITORING AND AQUATIC BIOASSESSMENT“**  
- Hybrid organization

- 13.00-13.10 Participant's registration and login  
13.10-13.15 Welcome speech  
Prof. dr. Vedad Pašić, Dean of the Faculty of Natural Sciences and Mathematics  
13.15-14.00 "Climate change and conspiracy theories"  
/Klimatske promjene i teorije zavjere/  
Prof. dr. Snežana Radulović University of Novi Sad  
14.00-14.30 Discussion and Coffee break  
14.30-15.00 "Alocthonous freshwater fish species in Bosnia and Herzegovina"  
/Strane slatkovodne ribe u Bosni i Hercegovini/  
Prof. dr. Avdul Adrović, University of Tuzla  
15.00-15.30 "Ichthyofauna as a bioindicator in the monitoring of aquatic ecosystems of Republika Srpska (BiH), application and challenges"  
"Ihtiofauna kao bioindikator u monitoringu akvatičnih ekosistema Republike Srpske (BiH), primjena i izazovi"  
Prof. dr. Dragojla Golub, University of Banja Luka, B&H  
15.30-16.00 "Remote sensing in ecology" /Daljinska detekcija u ekologiji/  
Prof. dr. Dušanka Cvijanović, Mr. sc. Maja Novković, University of Novi Sad  
16.00-16.30 Coffee break  
16.30-17.00 Discussion: Labour market needs relevant to ecological monitoring and aquatic bioassessment /EMAB/  
"Tržišne potrebe za educiranim kadrom u oblasti ekološkog monitoringa i biološke ocjene kvaliteta voda"  
Stakeholders, bussines and educational sector  
Miralem Sejdinović, dipl. Ing. Hem. tehnologije, Institut za kvalitet, standardizaciju i ekologiju, TQM, Lukavac, students, professors and all participants  
17.00-18.00 Workshop conclusions and evaluation

Lecture Hall 010 at FTOS; 2. oktobra 1, Tuzla, University of Tuzla (B&H)

ZOOM LINK: <https://us02web.zoom.us/j/82287202651?pwd=anFpdzhmOGlyVUU0MjRTSU11d1Q3QT09>  
REGISTRACIJA: <http://pmf.untz.ba/registracija-ecobias-tuzla-2021/>



21.-25. 6. 2021.

20<sup>th</sup> international  
**tuzla summer university**



**ECOBIAS Workshop**  
**University of Tuzla**  
**Faculty of Natural Sciences and Mathematics**



## **New trends in ecological monitoring and aquatic bioassessment**

### **Where and when?**

24<sup>th</sup> June 2021, 13.00 - 18.00 - Online (via Zoom platform)

25<sup>th</sup> June 2021, 13.00 - 18.00 - Hybrid organization: Venue - Amphitheater 010 at FTOS, 2. oktobra 1, 75 000 Tuzla, B&H and online via Zoom platform

Erasmus+ project: Development of master curricula in ecological monitoring and aquatic bioassessment for Western Balkans HEIs/ECOBIAS



Co-funded by the  
Erasmus+ Programme  
of the European Union



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Iva Kufnerić

Alena Šjuka

Mirna Šušnjara



UNIVERZITET U TUZLI



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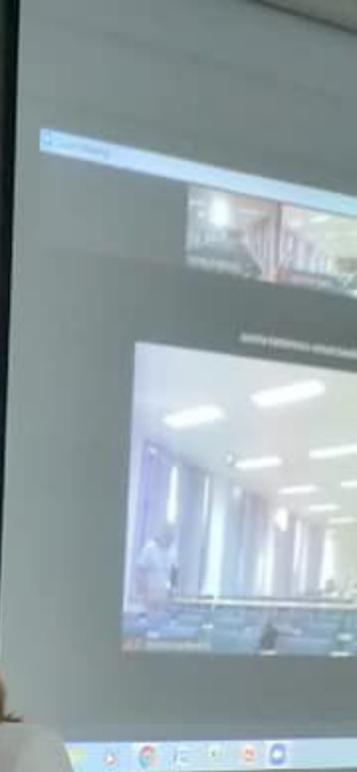


ECOBIAS

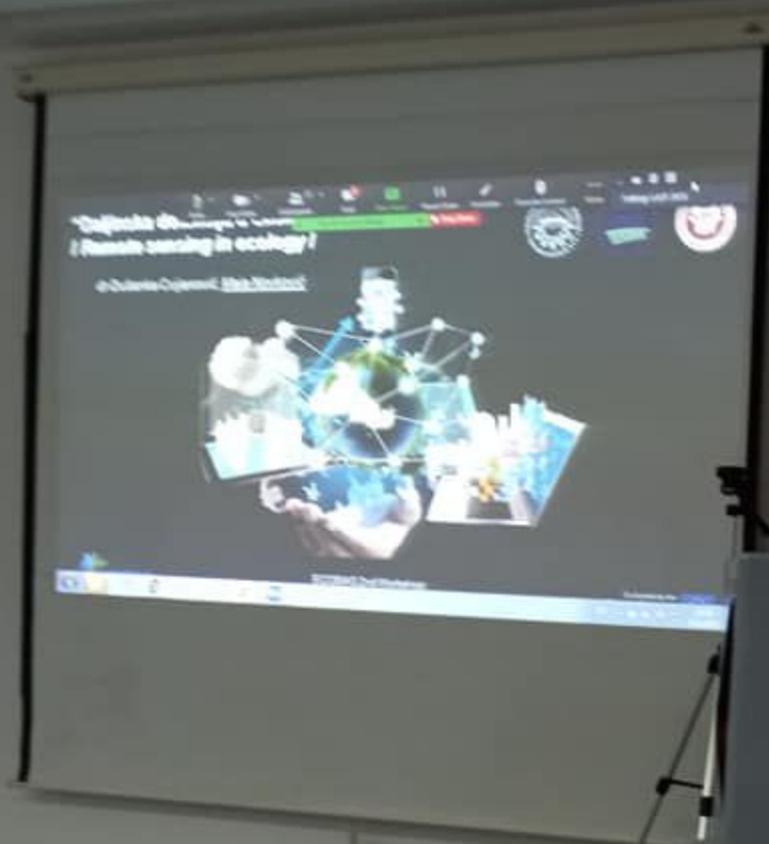
*Development of master curricula in  
ecological monitoring and aquatic  
assessment for Western Balkans HEIs*

- University of Novi Sad
- University of Nis
- University of Zagreb
- University of Duisburg-Essen
- University Donja Gorica
- University of Mostar
- International University Travnik
- University of Tuzla
- University of Sarajevo
- University of Banja Luka
- University of East Sarajevo

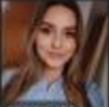
Co-funded by the  
Erasmus+ Programme  
of the European Union









 belma kalamujic	<b>Zorana Lukic</b>	 Florian Leese	 Martina Weiss	 Jasmina Kamber...
 Edina Hajdarevic	 Nedzada Tolja	<b>Ermin Mašić</b>	 Esmā Islamović	 Elvira Hadžiahme...
 Samira Huseinovic	 Avdul Adrovic	 Selma Tabaković	<b>Mirela Sušnjara</b>	<b>Isat Skenderović</b>
<b>Amra Vehab</b>	 Samela Selimovic	<b>zlatko mecan</b>	 Amela Hercegovac	<b>Anela Pejzić</b>
<b>Iva Kolinovic</b>	 Alma Cavalić	<b>Ana</b>	<b>Sabina Omerbe...</b>	<b>Samra Husakovic</b>

## Chat

From Edina Hajdarevic to Everyone:

It was very useful experience for me. I've learned something new, thank you

I agree with Jasmina :)

From Samela Selimovic to Everyone:

my question remained :(

From belma kalamujic to Everyone:

I would naively say molecular couple of years ago, until you hit the wall bioinformatically because taxonomists didn't collaborate with molecular biologists

From Edina Hajdarevic to Everyone:

It is very hard question :)

From Ermin Mašić to Everyone:

Classical taxonomy

To: **Floria...** (Direct Message) File ...

Type message here...