

BIO-Save Project

Workshop / Bulgaria
(Partners: P1, P2, P3, P4)

Title: *Cutting Edge Research in Ecology:
Climate Change Mitigation Approaches*



Sofia, 28-29.09.2023



Organisation and Performance of the Bulgarian Partners' BIO-Save Workshop



BIO-Save project mission is dedicated to raising awareness about the negative effects of climate change on our environment and the latest innovations, application tools, and biotech approaches for mitigation and adaptation. Therefore, the BIO-Save Consortium is unified around developing, piloting, and testing innovative digital tools, training methods, and materials adapted to biotech professionals' challenges and needs and designed in a dialogue with them.



To reach more representatives of the key BIO-Save target groups (BSc students, MSc students, Ph.D. students, Research associates, Academic professionals, and Environmental health & safety Professionals) and disseminate information regarding project goals, mission and results more effectively, all the partners organise workshops in their countries.



The workshop, organised by the Bulgarian BIO-Save partners (P1: Sofia University St. Kliment Ohridski, P2: Intellect Foundation, P3: Bulgap Ltd, P4: EKO-Znanie GT Ltd.,) was performed within the framework of the annual International Seminar of Ecology-2023: Cutting Edge Research of Ecology (<https://seminarofecology.wixsite.com/2023>). The representatives of the project's target groups were invited to participate in the workshop. As a part of the workshop's organisation strategy, the BG partners elaborated supporting materials such as an Invitation, List of Participants, workshop Programme, info sheet, and promotional/advertising projects' materials (see below).




The Seminar of Ecology was organised by the Institute of Biodiversity and Ecosystem Research –Bulgarian Academy of Sciences and the Section “Biology” – Union of Scientists in Bulgaria, Sofia, in collaboration with the BIO-Save project. Well-known scholars, young scientists, researchers, and academic professionals (around 65 persons) from various institutes and universities throughout the country and abroad participated in the Seminar.

INTERNATIONAL SEMINAR OF ECOLOGY-2023
Cutting Edge Research of Ecology
28-29 September 2023, Hybrid event




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SPONSORS

The International Seminar of Ecology – 2023,
"Cutting Edge Research of Ecology" was partially funded by the Agreement
between Bulg. Acad. Sci. and Bulg. Ministry of Education and Science as well as:





Important dates

Abstract and registration form submission:
EXTENDED JUNE 20th 2023


Fee payment (After abstract acceptance):
June 16th 2023

Second announcement General Programme:
September 4th 2023

Full text submission:
18th November 2023

Program:
25-26 September 2023
09:00 a.m. REGISTRATION
09:30 a.m. WELCOME
07:30 p.m. DINNER (optional payment of 20 BGN during the registration)

Downloads

-  First Invitation
-  Second Announcement
-  Scientific Program and Book of Abstracts

INTERNATIONAL SEMINAR OF ECOLOGY – 2023
"CUTTING EDGE RESEARCH OF ECOLOGY"

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The seminar's program included a special session dedicated to climate change mitigation approaches. The BIO-Save project coordinator moderated it and lead a discussion about the latest innovations in the field of climate change mitigation. Great attention was paid to the comprehensive presentation of the BIO-Save project – its goals, concept, training opportunities, and project team.

The main aims of the presentation were:

- To share with the BIO-Save invited targets the innovative project's results and their positive impact on improving competence and supporting career development.
- To raise awareness about the project and create new partnership opportunities.

The Bulgarian BIO-Save Partners shared with the scientific community the innovative results of the BIO-Save project and their positive impact on the HE learning experience. This scientific forum enabled all participants to exchange experience and knowledge in the BIO-Save project subject area. Thus, the event was an opportunity for increase the perception of the project deliverables and to receive feedback data on BIO-Save training acceptance and applicability was created.



A lecture focused on climate signals from fossil plants and a discussion on the other project topics were held with the participants. They also participated in the organised Round Table at the end of the Seminar. Thematically, it was oriented towards encouraging and strengthening the application of digital technologies in the bio-economy through the BIO-Save project. The opportunities for future implementation of the project results and acquired knowledge and skills in the target users' work were discussed. At the end of the session, the participants in the project workshop had the opportunity to complete an info sheet with questions aimed at obtaining feedback on the presented BIO-Save Project Results.

The representatives of the project target groups provided their feedback assessment on:

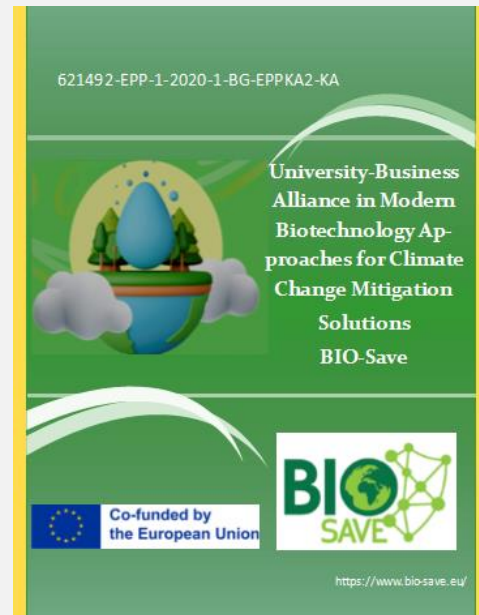
- the BIO-Save project website functionality, content, and vision,
- the content, structure, and practical applicability of the training content
- the opportunity of the BIO-Save training programme to gain a qualification
- the importance of the elaborated BIO-Save Results for increasing the quality of higher education in the modern biotechnologies for climate change mitigation in Bulgaria.
- the importance of the BIO-Save project for raising public awareness about climate change and the development of modern biotechnological approaches to mitigate it.

Most of them showed satisfaction with the presented BIO-Save project's website (<http://bio-save.eu>) and rated its design and functionality as excellent. The access through the project website to the training courses, prepared in five different languages (EN, BG, GR, IT, and TR), facilitates target users in their learning process in modern biotechnology for climate change mitigation. They were interested in the presented BIO-Save LO-based educational curriculum, supported by interactive elements and describing the applied modern biotechnological approaches and technologies for climate change mitigation. The interactive elements integrated into the training process let the participants get more acquainted with the BIO-Save training content and enhance the opportunities for acquiring knowledge and skills in the project-subject field.

DISSEMINATION OF BIO-SAVE PROJECT INFORMATION

The performed workshop contributed to sharing and disseminating project information materials to researchers, students, and professors in biotechnology, ecology, and environmental protection, expressing their willingness to enhance their knowledge in the project subject area. The BIO-Save partners' workshops played an essential role from one side as a presentation of the project results and from the other side in involving potential targets in the project's subject area and promoting future networking activities. The Bulgarian partners, Sofia University, Intellect Foundation, Bulgap Ltd, and EKO-Znanie GT Ltd., organising this workshop, interviewed around 60 persons studying and working in biotechnology, ecology, and environment protection.

During the workshop, the BIO-Save Brochure (EN and BG version), elaborated to highlight the aim and benefits of the project results, was distributed among the participants.



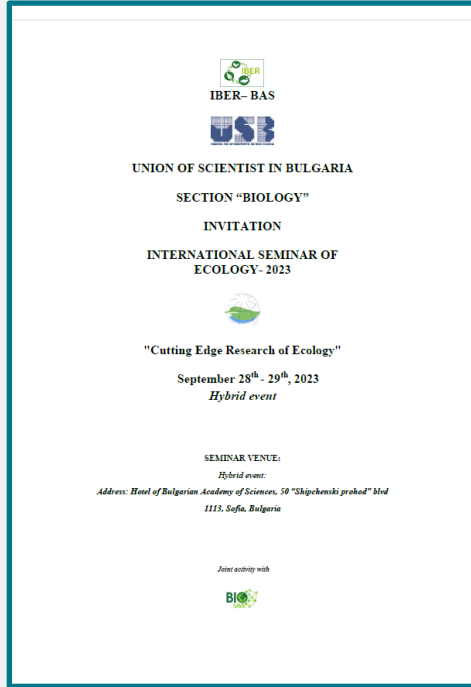
CONCLUSIONS

The described BIO-Save BG Workshop was held in Sofia, Bulgaria, on 28th – 29th September 2023. It can be considered a positive one in terms of efficiency and usefulness. It fully corresponds to its initial goals. The workshop attendees expressed interest and were satisfied with the presented training content, available through the BIO-Save Multilingual Cloud-based Platform, and the accompanying tool and guiding materials. Most of them were interested in testing the training opportunities of the blended learning platform.

Different dissemination tools were used/distributed among the participants:

- BIO-Save project website: <https://bio-save.eu/>
- PowerPoint presentation (EN)
- BIO-Save Brochure (BG, EN)
- Feedback gathering Info-sheet (EN)

APPENDIX: REPORT MATERIALS FOR THE WORKSHOP




Invitation to the workshop

THEMATIC SESSION II

CLIMATE CHANGE MITIGATION APPROACHES

Chairpersons: Corr. member Dimitar Ivanov, DSc and Assoc. prof. Ventsislava Petrova, PhD
Technical support: Teodora Todorova and Radka Fikova

Plenary presentation
14⁰⁰-14³⁰ CLIMATE SIGNALS FROM FOSSIL PLANTS – AN OVERVIEW OF METHODS AND PROXIES. *Dimitar Ivanov PL02_01*


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14³⁰-14⁴⁵ THE CLIMATE CHANGE: NUMBERS BEHIND AND GLOBAL IMPACT ON ECOSYSTEM. *Ventsislava Tankova Petrova PL02_02*

14⁴⁵-15⁰⁰ GLOBAL WARMING OPENS THE WAY TO THE MOUNTAINS AND TO BACTERIA SPECIATION. *Victoria Korzonedina, V. Arakelyan, A. Chilingaryan, R. Danielyan, I. Gordonov, M. Gustova, S. Kaplino, G. Khachatryan, G. Melik-Andreasyan PL02_03, Online*

Oral presentation
15⁰⁰-15³⁰ UNIVERSITY – BUSINESS ALLIANCE IN MODERN BIOTECHNOLOGY APPROACHES FOR CLIMATE CHANGE MITIGATION SOLUTIONS – BIO-SAVE. *Ventsislava Petrova, Trayana Nedeva, Anna Kujumdzieva, Kliment Petrov, Alexander Savov, Samantzis Babis, Zoi Georgiou, Diana Di Goya, Branko Kaucic, Gamze Yücel Işildar, Deniz İyildar L02_01*

15³⁰-15³⁰ Discussion

Workshop's Programme

Info-sheet

Personal information:

Name, surname, e-mail

Age

Education
 secondary
 BSc
 MSc
 PhD

Place of work

1. How do you evaluate the functionality, content, and vision of the BIO-Save project website?
 excellent very good good satisfactory bad

2. In your opinion, does the BIO-Save training program provide good qualification opportunities and helps for future professional realization?
 • Yes, because.....
 • No, because.....

3. How would you rate the benefits of participating in the event?
 (1- positive, 2- mostly positive, 3- good enough, 4- seemingly negative, 5- negative)
 1 2 3 4 5

Info-sheet

List of Participants

BIO-SAVE		Co-funded by the European Union	
LIST OF PARTICIPANTS			
BIO-Save - 621492-EPP-1-2020-1-BG-EPPKA2-K4			
University - business alliance in modern biotechnology approaches for climate change mitigation solutions - BIO-Save			
UNDER THE ERASMUS + PROGRAMME			
International Seminar of Ecology - 2023			
Cutting Edge Research in Ecology: Climate Change Mitigation Approaches			
Sofia University "St. Kliment Ohridski" Sofia, Bulgaria			
28.09.2023 - 29.09.2023			
No	NAME	Organisation	Signature
1	Prof. Stephen Chauvaud	Institute of Biodiversity and Ecosystem Research	[Signature]
2	George Raskov	Institute of Biophysics and Biomedical Optics	[Signature]
3	Tezka Baranova	Institute of Biodiversity and Ecosystem Research	[Signature]
4	Radenka Fikova	Institute of Biodiversity and Ecosystem Research	[Signature]
5	Petar Lopez	Financia	[Signature]
6	Stankislava Kulekova	IBER - BAS	[Signature]
7	Asya Kachibarov	IBER - BAS	[Signature]
8	Izodon Todorova	IBER - BAS	[Signature]
9	Madezhda Ivanova	Sofia University	[Signature]
10	Trayana Nedelva	Sofia University	[Signature]
11	Ahmed Youssou Ibrahim	National Research Centre, Egypt	[Signature]
12	Sahar Hany Hassan		[Signature]

53	Detelina Petrova	Sofia University	[Signature]
54	Mazina Stanilova	IBER - BAS	[Signature]
55	Petko Bozhkov	Sofia University	[Signature]
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60	Simeon Borissov	IBER - BAS	[Signature]
61	Nedelka Katsira	IBER - BAS	[Signature]
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