

FBSS
23rd - 26th
of October **2025**

FACULTY OF BIOLOGY SCIENTIFIC SESSION

TRENDS IN BIOLOGY
from molecules to complex systems

Program

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Facultatea de Biologie



Grădina Botanică



Muzeul de Istorie Naturală



Academia Română
Filiala Iași



Asociația Studenților
Biologi din Iași

EVENTS

Friday, 24th of October 2025

- POLLUTION AND ITS EFFECTS ON ORGANISMS
- THE ROLE OF INVERTEBRATES IN ECOSYSTEMS
- ROMANIAN NATURALISTS ON THE MERIDIANS OF THE EARTH

Saturday, 25th of October 2025

- AUTUMN FLOWERS 2025 – EXHIBITION OF FLOWERS, FRUITS AND SEEDS, XLIX-TH EDITION - „ANASTASIE FĂTU” BOTANICAL GARDEN

SCIENTIFIC COMMITTEE

Professor Dr. habil. Dragoş Lucian GORGAN, Dean of the Faculty of Biology

Professor Dr. Cătălin TĂNASE, c. m. of the Romanian Academy, Director of the Botanical Garden

Professor Dr. habil. Luminița BEJENARU, Director of the Doctoral School of Biology

Professor Dr. Ștefan Remus ZAMFIRESCU, Director of the Natural History Museum

ORGANISING COMMITTEE

Lecturer. dr. Ciprian Mânzu – Vice-dean of the Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, Romania

Lecturer. dr. Elena Todirașcu-Ciornea, Head of Biology Department, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, Romania

Asist dr. Ozana Petraru-Ciorpac, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, Romania

Asist. dr. Alexandru Bogdan Stache, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, Romania

Biolog Drd. Ștefan Mihăiță Olaru, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, Romania

Master Student Eusebiu Roșca, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, Romania

ASSNSS 2025

Annual Scientific Session of Natural Science Students

Thursday, 23 th of October 2025 B2 Amphitheater	
	Mihaela Aurelia DANU, PhD
SESSION CHAIR	Constantin ION, PhD Ștefan Răzvan BOIANGIU, PhD
10.00-10.15	Opening ceremony
10.15-10.30	COMPARATIVE ASSESSMENT OF MICROPLATES FOR <i>ESCHERICHIA COLI</i> GROWTH MONITORING Petruța-Maria BĂDELIȚĂ, Marius MIHĂȘAN
10.30-10.45	INITIAL STEPS IN DEVELOPING A PAENARTHROBACTER NICOTINOVORANS-BASED METHOD FOR THE BIOCONVERSION OF NICOTINE TO 6-HYDROXY-L-NICOTINE Ana HUȘLEAG, Marius MIHĂȘAN
10.45-11.00	ANATOMICAL - COMPARATIVE STUDY OF SOME FAUNAL REMAINS DISCOVERED IN THE ROMAN-BYZANTINE FORTRESS OF ULMETUM (CONSTANȚA COUNTY) Eldira-Gabriela HUGEANU, Margareta-Simina STANC
11.00-11.15	GENOMIC INSIGHTS INTO THE PLANT GROWTH-PROMOTING POTENTIAL OF <i>BACILLUS VELEZENSIS</i> P3.3S Simona ENIȘOR, Loredana-Elena MANTEA, Amada EL-SABEH, Marius MIHĂȘAN, Marius ȘTEFAN
11.15-11.30	ARTIFICIAL INTELLIGENCE FOR SPECIES IDENTIFICATION IN PARASITOID WASPS: A CASE STUDY ON SCELIONIDAE Cristina VASILIȚA, Christian PYLATIUK, Lorenz WÜHRL, Hossein SHIRALI, Ovidiu-Alin POPOVICI, Lars KROGMANN, Ecaterina PÎRVU
11.30-11.45	OPTIMIZATION OF 6-HYDROXY-L-NICOTINE EXTRACTION FROM <i>PAENARTHROBACTER NICOTINOVORANS</i> CULTURES Daniel-Florin GAȚU, Răzvan Ștefan BOIANGIU
11.45-12.15	Coffee break
12.15-12.30	AN INVESTIGATION OF THE EFFECTS OF MANSORIN ON MEMORY PROCESSES IN A ZEBRAFISH (<i>DANIO RERIO</i>) ANIMAL MODEL Maria Crina ISAC, Lucian HRIȚCU
12.30-12.45	CONTRIBUTIONS TO THE STUDY OF DIURNAL LEPIDOPTERA (INSECTA: LEPIDOPTERA) IN THE SIMINICEA AREA (SUCEAVA COUNTY) IN 2024 Roxana PENCIUC, Alin-Ovidiu POPOVICI

12.45-13.00	ARCHAEOZOOLOGICAL AND ARCHAEOBOTANICAL EVIDENCES FOR THE USE OF ANIMAL AND PLANT RESOURCES IN THE FOOD ECONOMY OF THE 4TH-6TH CENTURY A.D. SETTLEMENT AT ULMETUM (CONSTANȚA COUNTY) Florentina-Rebeca MARCU, Mihaela DANU, Margareta-Simina STANC
13.00-13.15	NEST PLACEMENT IN PONTIC STEPPE POPULATION OF WHITE-TAILED EAGLE Mihail GHILAN, Emanuel Ștefan BALTAG
13.30-13.45	PHYTOPATHOGENIC FUNGI IDENTIFIED IN THE CITY OF FĂLTICENI (SUCEAVA COUNTY) Alexandra SPÂNU, Vasilică-Claudiu CHINAN
13.45-14.00	EVIDENCE OF DENTAL PATHOLOGIES IN A HUMAN SKELETAL SERIES DISCOVERED IN THE NECROPOLIS OF 15TH-19TH CENTURIES AT “ST. ATHANASIUȘ” CHURCH OF NICULITEL, TULCEA – A PRELIMINARY STUDY George-Ioan MERLUȘCĂ, Paul-Iulian DONCIU, Ozana - Maria CIORPAC-PETRARU
14.00-14.15	CONTRIBUTIONS TO THE STUDY OF MICROHYMENOPTERANS (INSECTA: HYMENOPTERA) FROM CEHLĂU NATIONAL PARK IN 2024 Antonia Elena BEREȘ, Ovidiu-Alin POPOVICI
14.15-14.30	EFFICIENCY OF COLORED TRAPS AND THE MALAISE TRAP ACROSS DIFFERENT HABITATS IN ONEȘTI (BACĂU COUNTY), IN 2024 Ana-Maria CHIOSA, Ovidiu-Alin POPOVICI
14.30-15.00	Coffee break
15.00-15.15	OCCURRENCE AND ECOLOGICAL CHARACTERISTICS OF FIRE-BELLIED TOADS (<i>BOMBINA BOMBINA</i> AND <i>BOMBINA VARIEGATA</i>) IN THE BÂRNOVA FOREST, IAȘI COUNTY Mădălina-Iuliana FRANC, Iulian GHERGHEL, Ștefan Remus ZAMFIRESCU
15.15-15.30	PARTICULARITIES REGARDING THE GROWTH, ADAPTATION, AND PATHOLOGY OBSERVED IN THE LEOPARD GECKO (<i>EUBLEPHARIS MACULARIUS</i>) Gabriel MANOLE, Irina-Oana TANASE
15.30-15.45	SNAKEBIT: DEFENSIVE BEHAVIOURS OF NIKOLSKY’S VIPER (<i>VIPERA BERUS NIKOLSKII</i>) - PRELIMINARY DATA Ionuț-Cătălin PETREANU, Alexandru STRUGARIU, Ștefan Remus ZAMFIRESCU
15.45-16.00	BIRD FAUNA PRESENCE AROUND CONFLUENCE AREA OF SIRET AND MOLDOVA RIVERS (ROMANIA) Matei FLOREA, Liviu OLARIU, Carmen GACHE

16.00-16.15	CONTRIBUTIONS TO THE STUDY OF LONGHORN BEETLES (INSECTA: COLEOPTERA) FROM ROSCIO176 TĂTĂRUȘI FOREST, IN THE YEAR 2024 Andreea OPĂRIUC, Alin-Ovidiu POPOVICI
16.15-16.30	PEEK-A-BOO PREDATORS: PATTERNS OF FLOWER SELECTION IN <i>THOMISUS ONUSTUS</i> AND <i>MISUMENA VATIA</i> (ARANEAE: THOMISIDAE) IN ROMANIA, BASED ON CITIZEN-SCIENCE DATA Antonio-Marian DONCEA, Teodora COZMA
16.30-16.45	THE EFFECT OF THE ESSENTIAL OIL OF <i>MENTHA SPICATA</i> L. IN IMPROVING MEMORY DEFICIT IN THE AMNESTIC ZEBRAFISH MODEL Vasile ROMAN, Gabriela DUMITRU, Elena TODIRAȘCU-CIORNEA, Lucian HRIȚCU
16.45-17.00	CONTRIBUTIONS TO THE MACRO-FUNGI REASEARCH IN GALATA FOREST, IASI COUNTY Emanuele-Mihai LECA, Tiberius BALAEȘ
17.00-17.15	COMPARATIVE ASPECTS OF <i>PINUS MUGO</i> STANDS IN THE EASTERN CARPATHIANS Adina-Camelia POPOVICI, Ciprian-Claudiu MÂNZU
17.15-17.30	VALORIZATION OF FOOD INDUSTRY BY-PRODUCTS ON PLANT GROWTH UNDER IN VITRO CONDITIONS Elisa FERENȚ, Daniela NICUȚĂ
17.30-17.45	FREEZING TEMPERATURE EXPERIMENT - IS THERE A TEMPERATURE THAT IS BEST SUITED FOR MEASURING THE FROST RESISTANCE OF PLANTS USING THE ELECTROLYTE LEAKAGE METHOD? Adina-Camelia POPOVICI, Solveig Franziska BUCHER, Antonia Therese ZIEGLER

FBSS 2025

FACULTY OF BIOLOGY SCIENTIFIC SESSION

Friday, 24th of October 2025
B2 Amphitheater

9:00-10:00 Participant registration – 1st floor of the Faculty of Biology

10:00-10:15 ***Opening ceremony of the Scientific Session of the Faculty of Biology – Trends in Biology: from molecules to complex systems***

10:15-10:45 **THE POWER OF DIGITAL PCR – ADVANCING SCIENCE, SAVING LIVES**
Alexandra LIVESCU, Sales Director Life Science, Food Safety and Veterinary Diagnostics - Dialab Solutions

10:45-11:15 **3DP-JMOL: EASY CONVERSION OF STRUCTURAL DATA INTO CLASSROOM-READY 3D PRINTABLE MOLECULAR MODELS**
Marius MIHĂȘAN, Prof. dr. habil., Faculty of Biology, „Alexandru Ioan Cuza” University of Iași

11:15-11:30 **Coffee break**

11:30-13:00 **Poster session**

13:00-17:30 **Oral presentations**

- **POLLUTION AND ITS EFFECTS ON ORGANISMS**

24.10.2025, 12:00 PM, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, building B, room B465

- **THE ROLE OF INVERTEBRATES IN ECOSYSTEMS**

24.10.2025, 12:00 PM, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, building B, room B373

- **ROMANIAN NATURALISTS ON THE MERIDIANS OF THE EARTH**

24.10.2025, 14:00 PM, Faculty of Biology, „Alexandru Ioan Cuza” University of Iași, building B, room B373

Friday, 24th of October 2025

Oral presentations

B2 Amphitheater

SESSION CHAIR: Adrian RUICĂNESCU, PhD

13:00-13:15 **ANOTHER NUGGET FROM THE HYMENOPTERISTS` GOLD MINE - THE MARINE DUNES NATURAL RESERVE FROM AGIGEA -ROMANIA: A NEW SPECIES OF GLYPHOMERUS (HYM. TORYMIDAE) DEDICATED TO EMERITUS PROFESSOR MIHAI I. CONSTANTINEANU FROM THE FACULTY OF BIOLOGY, „ALEXANDRU IOAN CUZA” UNIVERSITY OF IAȘI, IAȘI, ROMANIA (online)**

Ionel ANDRIESCU

13:15-13:30 **THE FINE STRUCTURE OF THE ANTENNAE IN *CAPNODIS CARIOSA* (COLEOPTERA: BUPRESTIDAE) AND THEIR ROLE IN POPULATIONAL DISTRIBUTION.**

Adrian RUICĂNESCU, Cristian SITAR, Lucian BARBU-TUDORAN, Amalia DUMBRAVĂ

13:30-13:45 **NEST PLACEMENT IN THE PONTIC STEPPE POPULATION OF THE WHITE-TAILED EAGLE**

Mihail GHILAN, Emanuel Ștefan BALTAG

13:45-14:00 **STRATEGII INOVATOARE, ANTICORPI MONOCLONALI IN TERAPIE TINTITA (online)**

Marcela SAVIN, Andra-Maria MANAILA, Carmen IUSTAIN

14:00-14:15 **THE IMPACT OF CLIMATE CHANGE ON THE DISTRIBUTION OF PLANT SPECIES IN ROMANIA**

Simona Dumitrița CHIRILĂ, Nicu Alexandru GÎLEA, Ana Mariana CHIRILĂ, Alexandru BĂNESCU

14:15-14:30 **FUNCTIONAL TRAIT VARIATION AND ECOLOGICAL DIFFERENTIATION IN *CENTAUREA JANKAE* POPULATIONS**

Simona Dumitrița CHIRILĂ, Mihai DOROFTEI, Pavel Dan TURTUREANU

14:30-14:45 **Coffee break**

SESSION CHAIR: Lucian FUSU, PhD

14:45-15:00 **DATA ON THE DISTRIBUTION AND STATUS OF *HIRUDO VERBANA* (ANNELIDA, HIRUDINEA) IN THE REPUBLIC OF MOLDOVA**

Victor SURUGIU, Nica MOȚPAN, Veaceslav PURCIC, Viorica PALADI, Teodor GLĂVAN

15:00-15:15 **BIOCONVERSION-BASED STRATEGY FOR ENHANCING 6-HYDROXY-L-NICOTINE PRODUCTION USING RECOMBINANT *PAENARTHROBACTER NICOTINOVORANS* STRAINS**

Iustin-Tiberius MUNTEANU, Andreea-Mihaela MLEȘNIȚA, Ana HUȘLEAG, Marius MIHAȘAN

15:15-15:30

DNA BARCODING CONFIRMS THE IDENTITY OF AN ALIEN LIZARD POPULATION IN BUCHAREST

Eusebiu ROȘCA, Lucian - Dragoș GORGAN, Ionuț-Cătălin PETREANU

15:30-15:45

MELOE GENUS IN DAVID'S VALLEY HAY NATURAL RESERVE (IAȘI COUNTY, ROMANIA) IDENTIFIED IN 2025

Vasile ILIOAIE, Irinel POPESCU

15:45-16:00

PRESENT DISTRIBUTION OF THE MELOE GENUS IN ROMANIA, BASED ON DATA FROM THE CITIZEN SCIENCE PLATFORMS

Vasile ILIOAIE, Irinel POPESCU

16:00-16:15

Coffee break

SESSION CHAIR: Victor SURUGIU, PhD

16:15-16:30

FEROPTOZA ÎN CANCERUL MAMAR TRIPLU NEGATIV VS. EPITELIU NORMAL: ROLUL TP53 ȘI TNF-A

Anca Ioana VERES, Alexandru Bogdan STACHE, Gabriela VOCHITA, Dragoș-Lucian GORGAN

16:30-16:45

PARASITOSIS RECORDED IN THE HUMAN POPULATION INVESTIGATED AT THE "TEOCLINIK" MEDICAL CENTER IN VASLUI IN 2023

Ana Maria OPREA, Irinel POPESCU

16:45-17:00

HUMAN PARASITOSIS RECORDED AT THE EMERGENCY CLINICAL HOSPITAL FOR CHILDREN "SFÂNTA MARIA" IN IAȘI IN 2023

Ana Maria IOSEP, Irinel POPESCU

17:00-17:15

PARASITOSIS RECORDED IN THE HUMAN POPULATION INVESTIGATED AT THE "S. C. PRAXIS MEDICAL INVESTIGATIONS S. R. L." IN IAȘI IN 2024

Teodora ROȘCA, Simona MĂȚIUȚ, Irinel POPESCU

17:15-17:30

USING MOLECULAR AND MORPHOMETRIC DATA TO MAP THE DISTRIBUTION OF HELIX POMATIA AND HELIX THESSALICA IN NORTHEASTERN ROMANIA

Andreea-Alexandra RACOVÎȚĂ, Lucian FUSU

Saturday, 25th of October 2025

10.00

AUTUMN FLOWERS 2025 – EXHIBITION OF FLOWERS, FRUITS AND SEEDS, XLIX-TH EDITION - „ANASTASIE FĂTU” BOTANICAL GARDEN
Moderator: Professor Dr. Cătălin TĂNASE, c. m. of the Romanian Academy, Director of the Botanical Garden