

7<sup>th</sup> Conference on Horticulture and Landscape Architecture in Transylvania  
May 12, 2023, Târgu Mureș, Romania

**The Regional Committee of the MTA in Cluj (KAB) and the Sapientia Hungarian University of Transylvania  
Department of Horticulture at the Faculty of Târgu Mureș**

**In collaboration with the co-organizers:**

Hungarian University of Agriculture and Life Sciences, Institute of Landscape Architecture, Urban Planning  
and Garden Art, Budapest, Hungary

Ferenc Rákóczi II. Transcarpathian Hungarian Institute, Department of Biology and Chemistry, Beregszász,  
Ukraine

Botanical Garden of the "George Emil Palade" University of Medicine, Pharmacy, Science, and Technology of  
Târgu Mureș, Romania

## **7<sup>th</sup> Conference on Horticulture and Landscape Architecture in Transylvania**

### **The Anniversary Symposium of the Horticultural Engineering and Landscape Architecture Study Programs**



Târgu Mureș, Romania  
May 11-13, 2023  
Târgu Mureș, Romania



UNIVERSITATEA DE MEDICINĂ,  
FARMACIE, ȘTIINȚE ȘI TEHNOLOGIE  
„GEORGE EMIL PALADE”  
DIN TÂRGU MUREȘ



***President of the conference:***

Prof. Dr. Balog Adalbert, Sapientia Hungarian University of Transylvania

***Scientific Committee:***

Dr. Abod Éva, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Bálint János, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Balla Géza, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Balog Adalbert, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Bandi Attila, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Bartha Csaba, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Benedek Klára, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Biró-Janka Béla, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Căbuz Andrea, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Csiszér Levente, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Domokos Erzsébet, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Farkas Attila, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Fazakas Csaba, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Fekete Albert, University of Agriculture and Life Sciences, Institute of Landscape Architecture, Urban Planning and Garden Art  
Dr. Fodorpatáki László, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. arh. Hegedűs Noémi Melitta, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Henning Imola, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Kentelky Endre, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. arh. Kovács Kázmér, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Kohut Erzsébet, Ferenc Rákóczi II. Transcarpathian Hungarian Institute, Department of Biology and Chemistry  
Dr. Kovács Gábor, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Moldován Csaba, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Molnár Gábor, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Szabó Károly Attila, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Székely-Varga Zsolt, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. Tanase Corneliu, "George Emil Palade" University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș, University Botanical Garden and Discipline of Pharmaceutical Botany  
Dr. Nyárádi Imre István, Sapientia Hungarian University of Transylvania, Department of Horticulture  
Dr. arh. Ványolós Endre, Sapientia Hungarian University of Transylvania, Department of Horticulture

**Organizing Committee:**

Dr. Domokos Erzsébet, Sapientia Hungarian University of Transylvania, Department of Horticulture (chief organizer)

Dr. arh. Ványolós Endre, Sapientia Hungarian University of Transylvania, Department of Horticulture (chief organizer)

Dr. Benedek Klára, Sapientia Hungarian University of Transylvania, Department of Horticulture (chief organizer)

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Boldizsár Zeyk Zsuzsa, Regional Committee in Cluj of the MTA, Secretariat

Dr. Căbuz Andrea, Sapientia Hungarian University of Transylvania, Department of Horticulture

Dr. Csiszér Levente, Sapientia Hungarian University of Transylvania, Department of Horticulture

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Dr. Fazakas Noémi, Sapientia Hungarian University of Transylvania, Department of Applied Linguistics

Dr. Fekete Albert, University of Agriculture and Life Sciences, Institute of Landscape Architecture, Urban Planning and Garden Art

Dr. Fodorpatáki László, Sapientia Hungarian University of Transylvania, Department of Horticulture, Regional Committee in Cluj of the MTA, Chairman of the Committee on Biology and Ecology

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Dr. Moldován Csaba, Sapientia Hungarian University of Transylvania, Department of Horticulture

Dr. Molnár Gábor, Sapientia Hungarian University of Transylvania, Department of Horticulture

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Dr. Székely-Varga Zsolt, Sapientia Hungarian University of Transylvania, Department of Horticulture

Dr. Szikszai Mária - Regional Committee in Cluj of the MTA, Head of Secretariat

Dr. Nyárádi Imre István, Sapientia Hungarian University of Transylvania, Department of Horticulture

Drd. Csorba Artúr Botond, Sapientia Hungarian University of Transylvania, Department of Horticulture

Drd. Iakab Martin, Sapientia Hungarian University of Transylvania, Department of Horticulture

Drd. Lihai Ildikó, Sapientia Hungarian University of Transylvania, Department of Horticulture

Drd. Molnár Katalin, Sapientia Hungarian University of Transylvania, Department of Horticulture

Drd. Putnoky Csicsó Barna, Sapientia Hungarian University of Transylvania, Department of Horticulture

**Contact:**

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## CONFERENCE PROGRAMME

Friday: May 12. 2023; Time zone (UTC+02:00) Bucharest

### Horticultural Sciences - C06 Lecture Hall

8.00 – 9.00

**Registration of the participants (listeners inclusive) - C06 Lecture Hall**

9.00 – 9.30

**Opening speeches**

9.30 – 10.40

**PLENARY COMMUNICATIONS - ENVIRONMENTALLY FRIENDLY FARMING: CROP PRODUCTION USING SUSTAINABLE TECHNOLOGIES**

10.40 – 11.00

**Coffee break**

11.00 – 12.45

**PLENARY COMMUNICATIONS - THE NECESSARY INTERDISCIPLINARITY: SCIENCES FOR THE RESPONSIBLE SHAPING OF THE NATURAL AND MAN-MADE ENVIRONMENT**

12.45 – 13.00

**Coffee break**

13.00 – 14.00

**SECTION COMMUNICATIONS - ENVIRONMENTALLY FRIENDLY FARMING: CROP PRODUCTION USING SUSTAINABLE TECHNOLOGIES  
SENIOR**

14.00 – 15.00

**Lunch break**

15.00 – 15.45

**SECTION COMMUNICATIONS – JUNIOR**

15.45-16.30

**SECTION COMMUNICATIONS - POSTER**

**19.00 – Dinner**

## CONFERENCE PROGRAMME

**Friday: May 12, 2023; Time zone (UTC+02:00) Bucharest**

### **Landscape Sciences - C07 Lecture Hall**

8.00 – 9.00

**Registration of the participants (listeners inclusive) - C07 Lecture Hall**

9.00 – 9.30

**Opening speeches**

9.30 – 10.20

**PLENARY COMMUNICATIONS - LANDSCAPE DESIGN AND PLANNING, AS CONTEMPORARY INSTRUMENTS OF SUSTAINABILITY**

10.20 – 11.20

**SECTION COMMUNICATIONS - LANDSCAPE DESIGN AND PLANNING, AS CONTEMPORARY INSTRUMENTS OF SUSTAINABILITY**

11.20 – 11.30

**Coffee break**

11.30 – 12.45

**PLENARY COMMUNICATIONS – REDISCOVERING THE HISTORICAL LANDSCAPE**

12.45 – 14.00

**SECTION COMMUNICATIONS – REDISCOVERING THE HISTORICAL LANDSCAPE**

14.00 – 15.00

**Lunch break**

15.00 – 15.25

**PLENARY COMMUNICATIONS - + SYMPOSIUM ON LANDSCAPE ARCHITECTURE EDUCATION**

15.25 – 16.10

**SECTION COMMUNICATIONS - + SYMPOSIUM ON LANDSCAPE ARCHITECTURE EDUCATION**

16.10 – 16.20

**Coffee break**

16.20 – 16.35

**PRESENTATION OF THE STUDENT WORKSHOP**

16.35 – 18.00

**ROUND TABLE DISCUSSION**

18.00 – 18.45

**POSTERS PRESENTATIONS**

**19.00 – Dinner**

## CONFERENCE PROGRAMME

Saturday: May 13. 2023; Time zone (UTC+02:00) Bucharest

**THE ANNIVERSARY SYMPOSIUM OF THE HORTICULTURAL ENGINEERING AND LANDSCAPE ARCHITECTURE STUDY PROGRAMS - Lecture Hall C07 (in Hungarian language)**

9.00 – 9.20

**Opening speeches**

9.20 – 11.20

**Eulogies and Commemorations**

11.20 – 11.30

**Coffee break**

11.30 – 13.00

**Student memories and life paths after university**

13.00 – 13.20

**Boróka Folk Dance Ensemble - Marosvásárhely (Târgu Mureş)**

13.20 – 14.30

**Lunch break**

14.30 – 16.00

**Presentation of the Horticultural Engineering and Landscape Architecture Study Programs**

From 16.00

**Goulash cooking**

## **DETAILED CONFERENCE PROGRAMME - Horticultural Sciences**

### **Friday: May 12. 2023, C06 Lecture Hall**

9.00 – 9.30

**Opening speeches**

### **ENVIRONMENTALLY FRIENDLY FARMING: CROP PRODUCTION USING SUSTAINABLE TECHNOLOGIES**

#### **PLENARY COMMUNICATIONS (9.30 – 10.40)**

##### **Moderators:**

Associate Professor László Fodorpatáki PhD; Assistant Professor Csaba Fazakas PhD

9.30 – 10.05

#### **"RESEARCH TOPICS OF ÖMKI HORTICULTURAL TEAM FOR A MORE SUSTAINABLE ORGANIC VEGETABLE, GRAPE AND APPLE PRODUCTION"**

*Ferenc Tóth*<sup>1</sup>

<sup>1</sup> Research Institute of Organic Agriculture (ÖMKi), Hungary; E-mail: ferenc.toth@biokutatas.hu

10.05 – 10.40

#### **"WATER DEMAND OF FRUIT TREES AND METHODS SUITABLE FOR DETERMINATION OF ACTUAL WATER NEEDS"**

*Tamás Lakatos*<sup>1</sup>

<sup>1</sup> Research Centre for Fruit Growing, Institute of Horticultural Sciences, Hungarian University of Agriculture and Life Sciences, Budapest, Hungary; E-mail: lakatos.tamas@uni-mate.hu

**10.40 – 11.00**

**Coffee break**

### **THE NECESSARY INTERDISCIPLINARITY: SCIENCES FOR THE RESPONSIBLE SHAPING OF THE NATURAL AND MAN-MADE ENVIRONMENT**

#### **PLENARY COMMUNICATIONS (11.00 – 12.45)**

##### **Moderators:**

Assistant Professor Klára Benedek PhD; Associate Professor Erzsébet Domokos PhD

11.00 – 11.35

#### **"THE BARK BEETLES OF THE CONIFERS: PESTS OR KEY SPECIES."**

*Ciprian G. Fora*<sup>1</sup>

<sup>1</sup> Faculty of Engineering and Applied Technology, University of Applied Sciences "King Michael I" from Timisoara, Timisoara, Romania; E-mail: ciprian.fora@usab-tm.ro

11.35 – 12.10

**"THERMOGRAPHY-BASED ASSESSMENT TO CONFIRM GENOTYPIC VARIATION FOR ABIOTIC STRESS RESPONSE IN CYCLAMEN"**

*Mihaela Cornea-Cipcigan<sup>1</sup>*

<sup>1</sup> Department of Horticulture and Landscape, Faculty of Horticulture and Business in Rural Development, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania; E-mail: mihaela.cornea@usamvcluj.ro

12.10 – 12.45

**"MECHANISMS OF ADAPTATION TO THE MAIN ABIOTIC STRESS FACTORS FOR SOME ROMANIAN PROVENANCES OF ABIES ALBA"**

*Irina Maria Morar<sup>1</sup>*

<sup>1</sup> Department of Forestry, Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania; E-mail: irina.todea@usamvcluj.ro

**12.45 – 13.00**

**Coffee break**

**SECTION COMMUNICATIONS (13.00 – 14.00; 15.00 – 15.45)**

**Moderators:**

Associate Professor László Fodorpatáki PhD; Assistant Professor Csaba Fazakas PhD

**SENIOR**

13.00 – 13.15

**"CONSERVATION VALUE OF ORTHOPTERA ASSEMBLAGES OF A HISTORICALLY INTENSIVELY USED AGRICULTURAL LANDSCAPE: A CASE STUDY IN THE CARPATHIAN LOWLAND (EAST HUNGARY)"**

*Dóra Arnóczkyné Jakab<sup>1</sup>, Antal Nagy<sup>2</sup>*

<sup>1</sup> University of Debrecen Faculty of Agriculture and Food Sciences and Environmental Management, Institute of Plant Protection, Debrecen, Hungary; E-mail: jakidori6@gmail.com

<sup>2</sup> University of Debrecen Faculty of Agriculture and Food Sciences and Environmental Management, Institute of Plant Protection, Debrecen, Hungary

13.15 – 13.30

**"EFFECT OF TANNINS ON FEEDING BEHAVIOUR AND FOOD PREFERENCE OF COLORADO POTATO BEETLE (*LEPTINOTARSA DECEMLINEATA* SAY)"**

*Antal Nagy<sup>1</sup>, Lilla Almási<sup>1</sup>, Judit Reményik<sup>2</sup>, Eszter Szilágyi<sup>1</sup>*

<sup>1</sup> Doctoral School of Earth Sciences, University of Debrecen, Debrecen, Hungary;  
E-mail: sandorgabor87@gmail.com

<sup>2</sup> Department of Landscape Protection and Environmental Geography, University of Debrecen, Debrecen, Hungary



13.30 – 13.45

**"CORN LEAF APHIDS SYMBIONTS - FIRST RESULTS AND FURTHER CHALLENGES"**

*Adalbert Balog<sup>1</sup>, Artúr Botond Csorba<sup>1,2</sup>, Sorina Dinesc<sup>3</sup>, Gratiela Pircalabioru<sup>4</sup>*

<sup>1</sup>Department of Horticulture, Faculty of Technical and Human Sciences Târgu Mureș, Târgu Mureș, Romania;  
E-mail: adalbert.balog@gmail.com

<sup>2</sup> Doctoral School of Biology and Sport Biology, University of Pécs, Faculty of Sciences, Ifjúság útja 6. Hungary

<sup>3</sup> Department of Biochemistry and Molecular Biology, University of Bucharest,

<sup>4</sup> Department of Microbiology and Immunology, Faculty of Biology, University of Bucharest, Bucharest, Romania; Research Institute of University of Bucharest (ICUB), 050095 Bucharest, Romania; Academy of Romanian Scientists, 050045 Bucharest, Romania

14.00 – 15.00

**Lunch break**

**JUNIOR**

15.00 – 15.15

**"ENDOPHYTIC *TRICHODERMA* STRAINS WITH BIOCONTROL AND BIOSTIMULANT EFFECTS"**

*András Csótó<sup>1</sup>, Csilla Kovács<sup>2</sup>, Antal Nagy<sup>1</sup>, Erzsébet Sándor<sup>3</sup>*

<sup>1</sup> Institute of Plant Protection, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Debrecen, Hungary and Kálmán Kerpely Doctoral School, University of Debrecen, Hungary; E-mail: csoto.andras@agr.unideb.hu

<sup>2</sup> Research Institute Újfehértó, Agricultural Research and Educational Farm, University of Debrecen, Újfehértó, Hungary

<sup>3</sup> Institute of Food Science, Faculty of Agricultural and Food Science and Environmental Management, University of Debrecen, Debrecen, Hungary

15.15 – 15.30

**"FOOD WASTE COMPOST IN HORTICULTURE"**

*Rozália Tóth<sup>1</sup>, Ferenc Tóth<sup>2</sup>*

<sup>1</sup> Argiope Bt., OS Pelso Kft., Hungary; E-mail: tothrozalia17@freemail.hu

<sup>2</sup> Research Institute of Organic Agriculture (ÖMKi), Hungary

15.30 – 15.45

**"STUDY OF PHYSICAL, CHEMICAL AND BIOLOGICAL SOIL PARAMETERS IN RELATION TO THE DISTRIBUTION OF THE SOUTHERN ROOT-KNOT NEMATODE (*MELOIDOGYNE INCOGNITA*) DAMAGE IN CUCUMBER"**

*Dóra Selmeczi<sup>1</sup>, Ferenc Tóth<sup>2</sup>, Barbara Simon<sup>3</sup>*

<sup>1</sup> Department of Integrated Plant Protection, Institute of Plant Protection, Hungarian University of Agriculture and Life Sciences (MATE), Gödöllő, Hungary; E-mail: nightingale27.99@gmail.com

<sup>2</sup> Research Institute of Organic Agriculture, Budapest, Hungary

<sup>3</sup> Department of Soil Science, Institute of Environmental Science, Hungarian University of Agriculture and Life Sciences (MATE), Gödöllő, Hungary

## 15.45-16.30 - POSTER PRESENTATIONS, Room C227

### Moderators:

Assistant Professor Klára Benedek PhD; Associate Professor Erzsébet Domokos PhD

### POSTER PRESENTATION - SENIOR

#### **"INFLUENCE OF NITRATE AND PHOSPHATE CONCENTRATIONS COMBINED WITH DIFFERENT WATER SUPPLIES ON GROWTH AND PRODUCTION CHARACTERISTICS OF SEED HEMP (*CANNABIS SATIVA* L.)"**

*László Fodorpataki<sup>1</sup>, Imre-István Nyárádi<sup>1</sup>, Béla Biró-Janka<sup>1</sup>, Tekla Amália Lunka<sup>1</sup>, Katalin Molnár<sup>1</sup>*

<sup>1</sup> Department of Horticulture, Faculty of Technical and Human Sciences, Târgu Mureş, Sapientia Hungarian University of Transylvania, Cluj-Napoca, Romania; E-mail: lfodorp@gmail.com

#### **"PROPAGATION OF ROSE VARIETIES BY CUTTINGS UNDER EFFECT OF DIFFERENT ROOTING HORMONES"**

*Zsolt Székely-Varga<sup>1</sup>, Endre Kentelky<sup>1</sup>, Géza Balla<sup>1</sup>*

<sup>1</sup> Department of Horticulture, Faculty of Technical and Human Sciences, Târgu Mureş, Sapientia Hungarian University of Transylvania, Cluj-Napoca, Romania; E-mail: zsolt.szekely-varga@ms.sapientia.ro

#### **"HORTICULTURE 4.0 Vocational Education for Digital Transformation in Horticulture"**

*Imre-István Nyárádi<sup>1</sup>, Gyöngyvér Márton<sup>2</sup>, Sándor Papp<sup>3</sup>, László Zsolt Túrós<sup>3</sup>, Katalin Molnár<sup>1</sup>, Béla Biró-Janka<sup>1</sup>, János Bálint<sup>1</sup>*

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<sup>2</sup> Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences Târgu-Mureş, Department of Mathematics-Informatics, Târgu Mureş, Romania

<sup>3</sup> Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences Târgu-Mureş, Department of Electrical Engineering, Târgu Mureş, Romania; Email: nyaradi@ms.sapientia.ro

### POSTER PRESENTATION - JUNIOR

#### **"METHODOLOGY OF COMPLEX AGROBOTANICAL ASSESSMENT OF WILD PEAR"**

*Adrienn Gyurkó<sup>1</sup>, Borbála Baktay<sup>1</sup>, Anna Varga<sup>2</sup>, Zsolt Szani<sup>3</sup>*

<sup>1</sup> National Centre for Biodiversity and Gene Conservation, Hungarian University of Agriculture and Life Sciences, Institute of Genetics and Biotechnology, Hungary; E-mail: gyurko.adrienn@nbgk.hu

<sup>2</sup> University of Pécs, Faculty of Humanities and Social Sciences Department of Cultural Anthropology, Pécs, Hungary

<sup>3</sup> ECPGR Malus/Pyrus Working Group Hungary

## DETAILED PROGRAMME - Landscape Sciences

### Friday: May 12. 2023, C07 Lecture Hall

#### LANDSCAPE DESIGN AND PLANNING, AS CONTEMPORARY INSTRUMENTS OF SUSTAINABILITY

##### PLENARY COMMUNICATIONS (9.30 – 10.20)

###### Moderators:

Professor Kázmér Kovács PhD. Arh.; Associate Professor Endre Ványolós PhD. Eng.

9.30 – 9.55

###### **"LANDSCAPE SPACE AND REGENERATION: ECOLOGICAL, SOCIAL, AND CULTURAL CONSIDERATIONS FOR SUSTAINABLE DEVELOPMENT"**

*Daixin Dai<sup>1</sup>, Yuxian Chen*

<sup>1</sup>Tongji University; E-mail: daidaixin@tongji.edu.cn

9.55 – 10.20

###### **"TREES PLANT THEMSELVES - ESTABLISHMENTS OF TREES IN URBAN AREAS BY NATURAL SUCCESSION"**

*Frieder Luz<sup>1</sup>*

<sup>1</sup> Dublin University; E-mail: frieder.luz@hswt.de

#### LANDSCAPE DESIGN AND PLANNING, AS CONTEMPORARY INSTRUMENTS OF SUSTAINABILITY

##### SECTION COMMUNICATIONS (10.20 – 11.20)

###### Moderators:

Professor Kázmér Kovács PhD. Arh.; Associate Professor Endre Ványolós PhD. Eng.

10.20 – 10.35

###### **"INNOVATION AND TRADITION IN THE TRANSYLVANIAN LANDSCAPE"**

*Miklós Köllő<sup>1</sup>*

<sup>1</sup> Larix Studio, Sapientia Hungarian University of Transylvania, Romania; E-mail: miklos@larix.ro

10.35 – 10.50

###### **"CANALUL MORII VERDE" - URBAN WATER CHANNEL RENATURATION AS PILOT PROJECT IN REGHIN"**

*Klaus Birthler<sup>1</sup>*

<sup>1</sup> Unda Verde Association and Faculty of Technical and Human Sciences, Târgu Mureș, Sapientia Hungarian University of Transylvania Tg. Mureș, Romania; E-mail: klausbirthler@gmail.com

10.50 – 11.05

###### **"LANDSCAPE WOUND - FOR WHICH A BANDAGE IS NOT ENOUGH"**

*Ildikó Lihát<sup>1,2</sup>*

<sup>1</sup> Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences, Department of Horticulture, Târgu Mureș, Romania; E-mail: ildiko.lihat@gmail.com

<sup>2</sup> "Ion Mincu" University of Architecture and Urban Planning, Bucharest, Romania

11.05 – 11.20

**"LANDSCAPE-BASED DESIGN AS AN INSTRUMENT FOR SUSTAINABLE DEVELOPMENT IN HERITAGE CONSERVATION"**

*Raluca R. Rusu<sup>1</sup>, Alexandru Ciobotă<sup>1</sup>*

<sup>1</sup> Studio Peisaj; E-mail: ruraluca@gmail.com

**11.20 – 11.30**

**Coffee break**

**REDISCOVERING THE HISTORICAL LANDSCAPE**

**PLENARY COMMUNICATIONS (11.30 – 12.45)**

**Moderators:**

Kázmér Kovács PhD. Arh.; Associate Professor Endre Ványolós PhD. Eng.

11.30 – 11.55

**"MASTERS FROM HERE AND BEYOND. WORKS OF FOREIGN LANDSCAPE DESIGNERS IN TRANSYLVANIA IN THE MIRROR OF THE PAST CENTURIES"**

*Albert Fekete<sup>1</sup>*

<sup>1</sup> MATE Budapest; E-mail: Fekete.Albert@uni-mate.hu

11.55 – 12.20

**"SARMIZEGETUSA REGIA BETWEEN AN ARCHEOLOGICAL SITE AND A NATURAL PROTECTED AREA. CULTURAL LANDSCAPE AS THE MISSING LINK"**

*Diana Culescu<sup>1</sup>*

<sup>1</sup> IFLA Europe, Bucharest; E-mail: dianaculescu@gmail.com, sgeneral@iflaeurope.eu.

12.20 – 12.45

**"LESSONS FROM THE PAST: AMALGAMATING ART, FUNCTION AND SUSTAINABILITY IN THE INDIAN GARDEN"**

*Shilpa Chandawarkar<sup>1</sup>*

<sup>1</sup> Indian Education Society's College of Architecture, New Delhi; E-mail: shilpa.chandawarkar@ies.edu

**REDISCOVERING THE HISTORICAL LANDSCAPE**

**SECTION COMMUNICATIONS (12.45 – 14.00)**

**Moderators:**

Professor Kázmér Kovács PhD. Arh.; Associate Professor Endre Ványolós PhD. Eng.

12.45 – 13.00

**"CASE STUDY: GELENCE, LANDSCAPE AND NATURAL HERITAGE PROTECTION"**

*Zoltan Para<sup>1</sup>, Ágnes Herczeg<sup>2</sup>, Attila Kovács<sup>2</sup>, Vivien Szpíszar<sup>2</sup>, Gergely Halász<sup>3</sup>, Luca Molnár<sup>3</sup>*

<sup>1</sup> Doctoral School of Landscape Architecture and Landscape Ecology; E-mail: zoltan.para@enviro.ro

<sup>2</sup> Pagony LTD.

<sup>3</sup> Human ecologist

<sup>4</sup> Ethnographic researcher<sup>1</sup> Doctoral School of Landscape Architecture and Landscape Ecology (PhD)

13.00 – 13.15

**"FORGOTTEN HISTORICAL LANDSCAPE HERITAGE IN THE BANAT AREA"**

*Noémi Melitta Hegedűs<sup>1</sup>*

<sup>1</sup>Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences, Department of Horticulture, Târgu Mureș, Romania; E-mail: hegedusnoemi@yahoo.ro

13.15 – 13.30

**"TREE VEGETATION ANALYSIS OF HISTORICAL MONUMENT GARDENS COMBINING VISUAL ASSESSMENT, LIDAR TECHNOLOGY AND SIMULTANEOUS LOCALIZATION AND MAPPING (SLAM) METHOD. CASE STUDY: CENTRAL GREEN SQUARE - CENTRAL MILITARY EMERGENCY UNIVERSITY HOSPITAL "DR. CAROL DAVILA""**

*Păunița Boanca<sup>1</sup>, Sonia Bodea<sup>1</sup>, Cătălin Sabo<sup>2</sup>, Simion Brumă<sup>2</sup>*

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<sup>2</sup>Faculty of Forestry and Cadastre, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania; BDS Topografie, Cluj-Napoca, România

13.30 – 13.45

**"RECOVERING FRAGMENTS OF THE HISTORICAL TRANSYLVANIAN LANDSCAPE"**

*Nicolas Cantoni<sup>1</sup>*

<sup>1</sup>UTCN, Facultatea de Arhitectură și Urbanism, Transylvania Labs. Reghin; E-mail: nickcantoni@yahoo.com

13.45 – 14.00

**"PROTECTING LANDSCAPE HERITAGE IN THE PRESENT HISTORICAL CONTEXT. LEGAL FRAMEWORK, PROCEDURES, RESEARCH, DILEMMAS AND CONFLICTS IN THE PRESERVATION PROCESS."**

*Alexandru Mexi<sup>1</sup>*

<sup>1</sup>Institutul Național al Patrimoniului București, USAMV București, Romania; E-mail: alx.mexi@gmail.com

14.00 – 15.00

Lunch Break

**+ SYMPOSIUM ON LANDSCAPE ARCHITECTURE EDUCATION**

**PLENARY COMMUNICATIONS (15.00 – 15.25)**

**Moderators:**

Professor Kázmér Kovács PhD. Arh.; Associate Professor Endre Ványolós PhD. Eng.

15.00 – 15.25

**"SOUNDSCAPE COMPOSITION IN A GARDEN: EXAMPLE OF A JAPANESE GARDEN (MURIN-AN, KYOTO)"**

*Catherine Szanto<sup>1</sup>*

<sup>1</sup>School of Architecture La Villette Paris; E-mail: k.szanto@wanadoo.fr

**+ SYMPOSIUM ON LANDSCAPE ARCHITECTURE EDUCATION**

**SECTION COMMUNICATIONS (15.25 – 16.10)**

**Moderators:**

Professor Kázmér Kovács PhD. Arh.; Associate Professor Endre Ványolós PhD. Eng.

15.25 – 15.40

**"GUSTAV LANGE AND THE ROLE OF DESIGN PHILOSOPHY"**

*Frank Slegers<sup>1</sup>*

<sup>1</sup> Department of Landscape Architecture and Regional Planning, University of Massachusetts Amherst, USA;  
E-mail: [slegers@larp.umass.edu](mailto:slegers@larp.umass.edu)

15.40 – 15.55

**"FROM PICTURE - TO MONTAGE", A COMPLEX VISUAL TEACHING PROGRAM OF LANDSCAPE SKETCHING AT MATE"**

*Lina Alhaddadein<sup>1</sup>*

<sup>1</sup>MLA, Department of Garden & Open Space Design, Faculty of Landscape Architecture and Urbanism, Institute of Garden Art and Landscape Design, Hungarian University of Agricultural and Life Sciences (MATE), Budapest, Hungary; E-mail: [lina\\_haddadin90@hotmail.com](mailto:lina_haddadin90@hotmail.com)

15.55 – 16.10

**"GREEN CITY PUNCTURE: BUILDING NOT ONLY FOR HUMANS- LEARNING BY DOING"**

*Lóránt Kovács<sup>1,2</sup>*

<sup>1</sup> KoLor Târgu Mureș, Doctoral School of Universitatea de Vest Timișoara, Romania;

<sup>2</sup> Department of Horticulture, Faculty of Technical and Human Sciences, Târgu Mureș, Sapientia Hungarian University of Transylvania, Romania; E-mail: [2kovacslorant@gmail.com](mailto:2kovacslorant@gmail.com)

**16.10 – 16.20**

**Coffee Break**

16.20 – 16.35

**PRESENTATION OF THE STUDENT WORKSHOP**

16.35 – 18.00

**ROUND TABLE DISCUSSION**

**18.00 – 18.45 - POSTER PRESENTATIONS, Room C230**

**Moderators:**

Professor Kázmér Kovács PhD. Arh.; Associate Professor Endre Ványolós PhD. Eng.

**“FORGOTTEN HISTORICAL GARDENS-CASE STUDIES”**

*Noémi Melitta Hegedűs<sup>1</sup>*

<sup>1</sup> Department of Horticulture, Faculty of Technical and Human Sciences, Târgu Mureș, Sapientia Hungarian University of Transylvania, Romania; E-mail: hegedusnoemi@yahoo.ro

**“URBAN WILDERNESS AND MENTAL WELL-BEING: THE BENEFITS OF NATURE EXPERIENCES IN LANDSCAPE DESIGN”**

*Miklós László Papp<sup>1</sup>*

<sup>1</sup> Department of Garden and Open Space Design, Hungarian University of Agriculture and Life Sciences, Budapest, Hungary; Email: pap.miklos.laszlo@phd.uni-mate.hu

**“DESIGNING FOR NATIONAL PARKS - THE INFLUENCE OF THE NATURAL SITE ON THE LANDSCAPE DESIGN”**

*Natalie Lafayette Sampaio<sup>1</sup>*

<sup>1</sup> PhD student, Department of Garden Art and Landscape Techniques, Faculty of Landscape Architecture, Institute of Landscape Architecture, Urban Planning and Garden Art, Hungarian University of Agricultural and Life Sciences (MATE), Budapest, Hungary; Email: natalie.lafayette@gmail.com

**“ART AND NATURE: THE STEEL SYMPOSIUM PARK AT DUNAÚJVÁROS - EXPERIENTIAL ON-SITE LEARNING FOR LANDSCAPE ARCHITECT STUDENTS”**

*Seloua Benkaid Kasbah<sup>1</sup>*

<sup>1</sup> Faculty of Landscape Architecture and urbanism, Institute of Garden Art and Landscape Design, Hungarian University of Agricultural and Life Sciences (MATE), Budapest, Hungary; Email: benkaidkasbasalwa@gmail.com

**“METHODOLOGY OF COMPLEX AGROBOTANICAL ASSESSMENT OF WILD PEAR”**

*Adrienn Gyurkó<sup>1</sup>*

<sup>1</sup> National Centre for Biodiversity and Gene Conservation, Hungarian University of Agriculture and Life Sciences, Institute of Genetics and Biotechnology; Email: gyurko.adrienn@nbgk.hu

**“FRAMEWORK AND RESULTS OF A DESIGN-BASED LEARNING EDUCATIONAL PROGRAM WITH THE LOCAL LANDSCAPE IN FOCUS IN A HUNGARIAN HIGH SCHOOL”**

*Tayana Passos Rosa<sup>1</sup>*

<sup>1</sup> Department of Landscape Protection and Reclamation, Faculty of Landscape Architecture and Urbanism, Hungarian University of Agriculture and Life Sciences, Budapest, Hungary; Email: tayanapr@gmail.com

**“DIGITAL RECONSTRUCTION OF LOST HISTORIC GARDENS. CASE STUDY: GÉZA TELEKI CASTLE PARK, PRIBILEȘTI, MARAMUREȘ”**

*Păunița Boanca<sup>1</sup>*

<sup>1</sup> Department of Horticulture and Landscape Architecture, Faculty of Horticulture and Business in Rural Development, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania; E-mail: paunita.boanca@usamvcluj.ro

**“GREEN PLANTATIONS OF THE HISTORICAL DISTRICT OF UZHGOROD (UKRAINE): A CENTURIES’ RETROSPECTIVE OF FORMATION AND PRESENT STATUS”**

*Yaroslava Hasynets*<sup>1</sup>

<sup>1</sup> Department of Botany, Faculty of Biology, Uzhhorod National University, Uzhhorod, Ukraine; Email: yaroslava.hasynets@uzhnu.edu.ua

**“HEALING URBANIZATION’S FOOTPRINT IN THE NATURAL LANDSCAPE, CONCEPT PLAN FOR THE REHABILITATION OF THE SUSENI QUARRY - STUDENT PROJECT”**

*Ildikó Lihát*<sup>1</sup>

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