

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)**

**15-16 October 2025**

**Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



**12th International Plant Protection  
Symposium at University of Debrecen, -  
12<sup>th</sup> IPPS  
(= 30. Tiszántúli Növényvédelmi Fórum,  
30. TNF)**

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)**

**15-16 October 2025**

**Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **Conference call**

The Foundation for Improvements on Education of Plant Protection (Debrecen), in cooperation with the Institute of Plant Protection, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen (Debrecen, Hungary), and the Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences, Department of Horticulture, (Târgu-Mureş – Corunca, Romania), will organize the 30th Trans-Tisza Plant Protection Conference **on October 15-16, 2025**, which is also the 12th International Plant Protection Symposium at the University of Debrecen.

The location of the conference this year will not be Debrecen; unusually, we will travel to Transylvania, to Târgu Mureş, together with the participants, and the event **will be held at the Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences, Department of Horticulture (Târgu-Mureş – Corunca, Romania).**

The two university faculties: the University of Debrecen, Faculty of Agricultural and Food Sciences and Environmental Management (Debrecen, Hungary), and the Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences (Târgu-Mureş – Corunca, Romania) have maintained an excellent cooperation in the field of agricultural education and research for a long time. The Institute of Plant Protection in Debrecen and the Department of Horticultural Engineering in Târgu-Mureş – Corunca are particularly involved in this cooperation. As part of this cooperation and as a further strengthening of it, the organizers decided to hold this year's jubilee (30th) Trans-Tisza Plant Protection Forum in the heart of Transylvania, in Târgu-Mureş – Corunca, symbolizing the importance of plant protection without borders, the close cooperation between the two universities, the unity of Hungarian people, colleagues, university lecturers, researchers anywhere in the world.

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)**

**15-16 October 2025**

**Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



On behalf of the organizers, we cordially invite you to the 30th Trans-Tisza Plant Protection Forum - 12th International Plant Protection Symposium at the University of Debrecen, in Târgu-Mureş – Corunca!

You can find more information about the conference on the other pages of our website.

Debrecen, Hungary 2025

the conference organizers

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **Targets of Conference:**

Discussion and analysis of new challenges arising from global and local environmental and social changes in the fields of plant protection and food safety. Analysis of the effects of intensive geographical distribution of pests without regard to national borders, presentation of new, modern, sustainable plant protection opportunities.

Presentation of the research results of eminent domestic and foreign researchers, teachers, plant protection companies, and university students.

Promote the practical application and widest dissemination of the latest plant protection research results.

## **Fields of Conference:**

- Results of recent plant pathological, entomological, and weed research
- Effects of global and local environmental and social changes on plant protection.
- With or without chemical pesticides? Would the efforts of the international "green lobby" really create a healthier, greener, more abundant, and more livable world?
  - Results of recent pests research on arable, horticultural, and forestry crops (plant pathology, entomology, herbology).
- Plant hygienic and food safety risks during global trade (increased spread of invasive species)
- Global effects of general and economic policy on the food supply of mankind.

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



- Changes in pest management techniques (trends for decreasing pesticide usage, IPM, developing alternative strategies).
- Opportunities and obstacles in the application of modern techniques (nanotechnology, drone technology, artificial intelligence, etc.) in crop protection.
- What should be preferable, either local food production or global food treatment in reflection of ecological footprint? Challenges and future.

## **The official languages:**

- English and Hungarian (we are also working on providing simultaneous interpretation as an option)

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **ORGANIZERS:**

- **Institute of Plant Protection (IPP), Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen (UD), Debrecen**
- **Sapientia Hungarian University of Transylvania, Faculty of Technical and Human Sciences, Department of Horticulture, Târgu-Mureş – Corunca**
- **The Foundation for Improvements on Education of Plant Protection (NOFA), Debrecen**
- **Hajdú-Bihar County Organization of Professional Chamber of Hungarian Plant Doctors, Debrecen**
- **Antal Gulyás Plant Protection Group of Plant Doctor Students, Debrecen**
- **Plant Protection Committee of Hungarian Academy of Sciences (MTA-DAB), Debrecen**



# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **ORGANIZING COMMITTEE:**

**Dr. Gábor Tarcali** (UD, Debrecen) – President

**Dr. Antal Nagy** (UD, Debrecen) – Co-president

**Prof. Dr. Adalbert Balog** (SEMTE, Târgu Mureş) – Co-president

**Dr. Imre-István Nyárádi** (SEMTE, Târgu Mureş) – Co-president

**Prof emeritus György J. Kövics** (UD, Debrecen) – Honorary co-president

**Dr. László Kiss** (Chamber of Plant Doctors, Debrecen) – Honorary co-president

**Prof emeritus István Szarukán** (UD, Debrecen) – Honorary co-president

**Györgyi Biró** (Mrs) (UD, Debrecen) – Organizing secretary

**Dr. Arnold Szilágyi** (UD, Debrecen) – Organizing secretary

**Dr. Kálmán Szanyi** (UD, Debrecen) – Organizing secretary

**Dr. Artúr Botond Csorba** (SEMTE, Târgu Mureş) - Organizing secretary

**Dr. János Bálint** (SEMTE, Târgu Mureş) - Organizing secretary

**Dr. Klára Benedek** (Mrs) (SEMTE, Târgu Mureş) - Organizing secretary

**Dr. Béla Biró-Janka** (SEMTE, Târgu Mureş) - Organizing secretary

**Dr. Katalin Molnár** (SEMTE, Sfântu Gheorghe) - Organizing secretary

## **ORGANIZING COMMITTEE MEMBERS:**

**Dr. László Radócz** (UD, Debrecen)

**Viktória Nánási** (Miss) (Chamber of Plant Doctors, Debrecen)

**Dr. Szabolcs Szanyi** (UD, Debrecen)

**Dr. Kitti Csüllög** (Miss) (UD, Debrecen)

**Dr. András Csótó** (UD, Debrecen)

**Csenge Lelle Kovács** (Miss) (UD, Debrecen)

**Rabbi Hoque** (UD, Debrecen)

**Nikoletta Kiss** (UD, Debrecen)

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)**

**15-16 October 2025**

**Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



**Conference Programs** (draft - detailed program will be available later)

## **15 October 2025 (Wednesday)**

**8.00 – 9.00 Registration**

### **Draft Overview Programme:**

8.45 – 9.05 Welcome speeches

9.05 – 10.40 Plenary Session, Part 1

*10.40 – 11.00 Coffee break*

11.00 – 12.15 Plenary Session, Part 2

12.15 – 12.35 Taking conference photograph with all participants

***12.40 – 13.50 Lunch - venue (University Restaurant)***

13.50 – 15.00 Plenary Session, Part 3

15.00 – 15.20 Poster Session

*15.20 – 15.40 Coffee break*

15.40 – 18.00 Parallel Scientific Sessions

(Please note that for each presentation available 10 mins for introduction and 5 mins for discussion.)

A. Plant Pathology and Weed Management Session (language – Hungarian and English)

B. Applied Entomology and Integrated Pest Management Session (language – Hungarian and English)

C. Session of Global Plant Protection Issues (language - English)

**18.30 – Gala dinner**



# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **Registration**

For registration details, please visit the conference website:

<https://konferencia.unideb.hu/hu/TNF>

<https://konferencia.unideb.hu/en/conference-call-international-plant-protection-symposium>

**Registration deadline: 30 September 2025**

## **Accommodation**

For accommodation options, please visit the conference website:

<https://konferencia.unideb.hu/hu/TNF>

<https://konferencia.unideb.hu/en/conference-call-international-plant-protection-symposium>

## **Travel**

Travel to the conference venue can take place in two ways:

- The organizers provide the possibility of traveling by bus from Debrecen from the Agricultural Campus of the University of Debrecen (Debrecen, Böszörményi u. 138.) to the conference venue, Târgu Mureş-Corunca, with an early morning departure on October 14, 2025. Return on October 16, 2025. The round trip lasts all day and includes cultural and tourist programs, which are also part of the conference study trip program. Details will be finalized later.

The price of the bus trip is included in the registration fee. For the cost of the study trip programs, see the participation fees.

- The participant can travel directly to the conference venue in their own organization.

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **Participation fee**

General participation fee:

40 EURO/person (includes lunch on 15 October)

Discounted general participation fee:

20 EURO/person, for BSc, MSc, PhD students (includes lunch on 15 October)

Evening dinner party on 15 October:

50 EURO/person

The participation fee of the study trip (with lunch, tickets, etc., October 14 and 16):

60 EURO/person

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **Abstracts of presentations**

Conference presentations can be held in 3 different sessions.

The duration of the presentations is 15 minutes (10 minutes of presentation + 5 minutes of discussion, questions).

It is possible to make a poster presentation in the poster session.

The abstract of the presentations must be prepared according to the following requirements.

**Deadline for submission of abstracts for the lecture: 15 September 2025.**

## **The formal requirement of the abstract**

Please prepare the abstract in an MS Word document (.doc or .docx format).

Font: Times New Roman, size 12 pt, single spaced, line excluded.

Title in bold, after a line is omitted, the surname and first name of the author(s) in italics, separated by a comma in the case of multiple authors.

After a line is omitted, the workplace (affiliation) of the author(s), in normal letters. In the case of several authors, the different workplaces are indicated by numbers in a superscript.

Then (only) the e-mail address of the corresponding author, in black font, without underlining.

The text of the abstract, maximum 250 words.

If necessary, indicate the supporting organization or project: after the abstract, omitting one line in the same format as the abstract.

The file size of the abstract presentation(s) must not exceed 2 MB.

# „PLANT PROTECTION WITHOUT BORDERS”



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## Abstract sample:

Please follow the format of this sample.

***Important: Please submit it by September 15 at the latest.***

### **The use of essential oils for the control of *Diabrotica virgifera virgifera* and the influence of climate on its distribution**

*Joachim Flaviana Marcel – Gábor Tarcali*

The University of Debrecen, Faculty of Agricultural, Food Sciences and Environment  
Management, Plant Protection Institute, Debrecen, Hungary  
[tarcali.gabor@gmail.com](mailto:tarcali.gabor@gmail.com)

*Diabrotica virgifera virgifera* LeConte the common name of western corn rootworm (WCR) is a beetle species found in the family of Chrysomelidae. It is native to Central America, and was introduced to Central Europe between the 1990s and 2000s from North America; however, the pathway of distribution is still unknown. The increased cultivation of maize has influenced its distribution as maize is the main host plant.

The field experiment was conducted on corn at the University of Debrecen to test the effect of different essential oils (rose, tea tree, lavender and peppermint). In the same experiment in other plots, an insecticide (lambda-cyhalothrin, Karate Zeon 5 G) and of course, a control experiment was included to compare the results. Eventually, this year their distribution declined rapidly due to drought. The number of *D. virgifera virgifera* present could not cause a significant effect on the control experiment, and hence the direct effect of the used essential oils could not be observed. However different works of literature have recorded the successful toxic effect of essential oils on *D. virgifera virgifera* in laboratory and greenhouse conditions. The results under field conditions are not satisfactory, hence further studies are needed.

The impact of essential oils on the environment is negligible. On the other hand, essential oils do not have health risks to mammals as they lack octopamine, a compound which is the site of action in insects' nervous systems.

# **„PLANT PROTECTION WITHOUT BORDERS”**



**12th International Plant Protection Symposium at  
University of Debrecen, 12<sup>th</sup> IPPS (= 30. Tiszántúli  
Növényvédelmi Fórum, 30. TNF)  
15-16 October 2025  
Debrecen, Hungary; Târgu-Mureş – Corunca, Romania**



## **Suggestion to publish full scientific papers**

The "*Acta Agraria Debreceniensis*" a peer-reviewed scientific journal published by the University of Debrecen welcomes full scientific articles. Publication frequency: 2 issues in each year (in June and December). The manuscripts submission deadline for Volume 1st is 30th November. Turn directly to the Journal's Editor: <https://ojs.lib.unideb.hu/actaagrar/about>