



**Faculty of Horticulture
Mendel University in Brno**

hosted by
scientific conference

Trends in Horticulture and Landscape Architecture 2023

which will take place

21 November 2023

at the Faculty of Horticulture in Lednice

2. Circular

Scientific Committee:

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Ing. Barbora Dohnalová, Ph.D.
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The Circular is also available on the website

<https://zf.mendelu.cz/veda-a-vyzkum/konference/?psn=3000>

Aim and focus of the conference

The aim of the conference is to present the current results of dissertation theses of students of doctoral programmes of the Faculty of Horticulture in Lednice, including increasing the general awareness of the problems solved at individual departments of the Faculty of Horticulture. **The results will be presented by students of the 3rd and 4th years, passive participation of students of lower years at the conference is mandatory.**

The best papers presented at the plenary session will be selected and the presenters will be financially rewarded. The abstract book will be published at the same time as the conference.

Scientific Sessions:

1. Horticulture (D-ZAHR, D-EUHO)
2. Landscape architecture (D-KA)

Venue:

Lecture hall Aula of the Faculty of Horticulture in Lednice, foreign participants can present online (in case of unfavourable epidemiological situation, the conference will be held online)

Language of the meeting: English

Acknowledgments: The "Trends in Horticulture and Landscape Architecture 2023" conference is organized with the support of the IGA project, designated IGA-ZF/2023-KONF-002.

Programme of the conference

- 09:00–09:10 ***Opening in the Auditorium***
- 09:15–14:15 ***Plenary session***
- 09:15–09:30 *THE IMPACT OF TOURISM ON LANDSCAPE CHARACTER AND SUSTAINABLE DEVELOPMENT*
Kohoutková, K.
- 09:30–09:45 *OPTIMIZATION OF THE LANDSCAPE STRUCTURE OF THE CZECH REPUBLIC IN THE CONTEXT OF CLIMATE CHANGE*
Urban, V.
- 09:45–10:00 ***Discussion on the presented topics***
- 10:00–10:15 *THE EFFECT OF LIGHT SPECTRAL COMPOSITION ON COMPOUND IN VEGETABLE SPECIES*
Botek, P.
- 10:15–10:30 *SUBSTANCE COMPONENTS AND ORGANOLEPTIC PROPERTIES OF ABSINTHE*
Dočekalová, H.
- 10:30–10:45 *USABILITY OF ALTERNATIVE SUBSTRATES IN THE HYDROPONIC SYSTEM OF VEGETABLE PRODUCTION*
Ferby, V.
- 10:45–11:00 *COMPARISON OF A SELECTED ASSORTMENT OF ASIAN PEAR VARIETIES AND PEAR HYBRIDS*
Fiala, J.
- 11:00–11:15 *USE OF BIOSTIMULATION ALGAE TO SUPPORT PLANT GROWTH IN THE HYDROPONIC SYSTEM*
Franková, Š.
- 11:15–11:30 *INCREASING THE EFFICIENCY OF GRAPEVINE BREEDING BY USING DNA MARKERS LINKED TO GENES FOR RESISTANCE TO FUNGAL DISEASES*
Hádlik, M..
- 11:30–11:45 *STUDY OF FERMENTATION GASES DURING THE FERMENTATION OF GRAPE MUST*
Humaj, J.
- 11:45–12:00 *STUDY OF THE INFLUENCE OF TECHNOLOGICAL OPERATIONS ON OXYGEN CONSUMPTION DURING WINE PRODUCTION*

Kulhánková, M.

12:00–12:45

Break for lunch

12:45–13:00

CHANGING IN WINE THE COMPOSITION DURING THE AGING ON YEAST LEES

Mikuš, J.

13:00–13:15

HYPEROXYGENATION OF GRAPE MUST IN WINEMAKING PROCESS

Řihák, Z.

13:15–13:30

EXPLOITATION OF BENEFICIAL MICROORGANISMS IN VEGETABLE CROPS

Saleem, S.

13:30–13:45

TRAINING OPERATIONS IN THE PRODUCTION OF ALCOHOLIC BEVERAGES OF THE CIDER TYPE

Seriš, D.

13:45–14:00

THE INHIBITORY EFFECT OF SACCHAROTHRIX ISOLATES AGAINST GRAPEVINE TRUNK DISEASE PATHOGENS

Štůsková, K.

14:00–14:15

EVALUATION OF TERROIR CONDITIONS AND VINEYARD MANAGEMENT DURING THE CULTIVATION OF WELSCHRIESLING

Šulík, M.

14:15–14:30

AN OVERVIEW OF THE PRODUCTION OF VEGETABLES WITH LOW OR NO PESTICIDE RESIDUES

Chikte, T.

14:30–14:45

STUDY OF THE PRIMARY AND SECONDARY METABOLITES OF STONE FRUIT TREES INFECTED WITH 'CANDIDATUS PHYTOPLASMA PRUNORUM'

Trempetic, G.

14:45–15:00

COMPOSITION OF THE MICROBIOME IN VINEYARDS AND ITS CHARACTERISATION IN RELATION TO SOIL CONDITIONS

Vavřiník, A.

15:00–15:15

EFFECT OF TEMPERATURE ON GRAPEVINE PHENOLOGICAL DEVELOPMENT IN THE 2023 YEAR

Vrána, P.

from 15:15

Discussion on the presented topics

CHANGE OF PROGRAMME IS RESERVED

Instructions for presenters

Presentation: in the form of reports with support in a PowerPoint presentation in the structure:

1. thesis title, student, supervisor, supervisor specialist (if assigned)
2. objectives of the thesis
3. methodology used
4. results
5. summary of progress and results obtained
6. next steps for completion of the work

The student is obliged to present "live" and respond to the submitted questions, at the same time it is mandatory to have a presentation in MS PowerPoint with spoken commentary recorded in the MS Teams application. Presentation footage must not exceed 8 minutes.