



Announcement I

14. International Symposium **Microelements in agriculture and in the environment**

associated with the jubilee of Professor Zofia Spiak

mikroelementy.eu

organized by

Institute of Soil Science, Plant Nutrition and Environmental Protection,
Wrocław University of Environmental and Life Sciences



70 years
JPWr

under the patronage
of Rector of Wrocław University of Environmental and Life Sciences
Professor Jarosław Bosy

in cooperation with

Soil Science Society of Poland - Wrocław Division
and Leading Research Group AgrEn
Wrocław University of Environmental and Life Sciences

Wrocław
June 22-25, 2022

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Scientific issues

Scientific topics of the Symposium cover both the issues of micronutrient deficiencies and plant nutrition, as well as the wide range of problems related to biogeochemistry of trace elements in the environment, soil and plant contamination with potentially toxic trace elements, and related aspects of ecotoxicity, ecological risk, and remediation of polluted sites. The main conference language will be English.

Topics

1. The importance of micronutrients for plants and their phytoavailability
2. Agrotechnical aspects of micronutrient fertilization (including precision agriculture and foliar plant nutrition)
3. Micronutrient fertilizers – production and properties
4. Biogeochemistry of trace elements, their mobility, phyto- and ecotoxicity, environmental risk assessment
5. Remediation of soils contaminated with potentially toxic elements
6. Micronutrients and potentially toxic elements in feed and food - deficiencies and excesses

Keynote lectures

- Ismail Cakmak: Hidden hunger still persists worldwide in human populations: now is the time for a micronutrient fertilizer strategy
- Malcolm Hawkesford: Genetics and physiology of micronutrient capture by crops
- Thomas Eichert: Foliar uptake of micronutrients
- Beata Rutkowska: Agrotechnical biofortification as a method to increase selenium content in cultivated plants
- Łukasz Skoczylas: Biofortification of plants with iodine, plant homologues of thyroid hormones. Processing of iodine enriched vegetables
- Ewelina Klem-Marciniak: Chelate micronutrient fertilizers- current problems and prospects for new technologies of their production
- Filip Tack: Controlling the uptake of Cd in leafy vegetables
- Vladislav Chrastný: Stable metal isotopes as a tool to trace soil contamination
- Michel Mench: Phytomanagement of metal(loid)-contaminated soils: from the concept to the real world.

General program

Wednesday, June 22, 2022

18.00-20.00 Get-together

Thursday, June 23, 2022

Leading topic: Micronutrients in agriculture

9.00-10.45 Session dedicated to the scientific achievements of Professor Zofia Spiak

10.45-11.15 Coffee break

11.15-13.00 Plenary session – keynote lectures, discussion (1)

13.00-14.30 Lunch

14.30-16.00 Plenary session – keynote lectures, discussion (2)

16.00-17.00 Poster session (1)

17.00-18.00 Plenary session – oral presentations

20.00 Banquet

Friday, June 24, 2022

Leading topic: Trace elements in the environment

9.00-10.30 Plenary session – keynote lectures, discussion (3)

10.30-11.00 Coffee break

11.00-13.00 Parallel thematic sessions (1)

13.00-14.30 Lunch

14.30-16.00 Parallel thematic sessions (2)

16.00-17.00 Poster session (2)

17.00-18.00 Final discussion and conclusions

20.00 Barbecue

Saturday, June 25, 2022

8.00-9.00 Breakfast. Closing of Symposium

9.00-19.00 **Post-conference trip**

Key topic:

Soil contamination with trace elements and remediation measures applied in the areas affected by copper ore mining and processing

Registration and conference fee

Registration for the Symposium is only possible electronically, via the form on the website mikroelementy.eu

Contributions

The program of the Symposium includes keynote lectures, oral presentations and posters. The main conference language is English. This applies to all presentations and discussions. Exceptionally, some communications in Polish will be allowed at the sessions in sections, but in such cases, the on-screen presentation will have to include an English translation.

Deadline for abstract submission: March 31, 2022

An abstract template (in English) is available on the Symposium website.

The authors will be informed about the classification of contributions as oral communications or posters by April 30, 2022. The detailed program of the Symposium will be published in Announcement II, by April 30, 2022.

Conference fee:

- Early bird fee, by February 28, 2022: **PLN 1590**
- Late fee, beginning from March 1, 2022: **PLN 1790**

Bank account of the Symposium:

PKO BP S.A. Wrocław, No: PL 62 1020 5242 0000 2102 0029 2045
with a note D120 / 0012/19 + full name of the participant

The conference fee covers the costs of participation in all sessions, refreshments and additional events included in the Symposium program events (excluding the post-conference trip), conference materials including set of abstracts on the electronic carrier, and the costs of accommodation with breakfast in double rooms at the B&B hotel (Wrocław, ul. Piotra Skargi 24-28).

Additional remarks:

- Conference fees previously paid remain valid,
- Until February 28, 2022, you can notify the organizers of the Symposium for accommodation in a single room, for an additional fee of PLN 200,
- The conference fee does not include the cost of using the hotel parking lot,
- For participants who decide not to use the B&B hotel, the conference fee is PLN 1390 until February 28, 2022, and PLN 1590 after this date.

Post-conference trip:

The fee for participation in the post-conference trip on June 25, 2022 is PLN 260. People participating in the trip can order an additional overnight stay with breakfast (June 25/26) for an extra fee of 30 EUR / PLN 120 in a double room and PLN 180 in a single room.

The organizers reserve the right to change the terms of the Symposium due to the limitations related to the COVID-19 epidemic.