

## Monday, June 2nd

13.30 **Departure** from the parking place – campus at the Wrocław University of Environmental and Life Sciences, Grunwaldzka str. 55

14.00 **Departure** from the parking place Wrocław Dawida str.

17.00 **Arrival** at the Chrobry Hotel, Pokrzywna

18.00 – 21.00 **Get together – welcome dinner**

18.00 – 20.30 **Registration of the participants**

## Tuesday, June 3rd

7.30 – 9.00 **Breakfast**

8.00 – 9.00 **Registration of the participants**

9.00 – 9.15 **Opening Ceremony: Maria Jerzykiewicz – President of the Polish Humic Substances Society (PTSH)**

### **Session 1: Transformation and role of NOM in terrestrial and aquatic environments**

Chair persons: **Maria Jerzykiewicz and Marios Drosos**

9.15 – 9.45 Key note lecture: **Deborah Pinheiro Dick (Brazil), President of the International Humic Substances Society: *Soil Organic Matter in Tropical Biomes: C sequestration, humification and persistence.***

9.50 – 10.10 **Gabriela Barančíková (Slovakia)** Soil organic carbon in agricultural soils of Slovakia, monitoring versus modelling approach

10.10 – 10.30 **Luboš Sedlák (Czech Republic)** Content and quality of humic substances in forest soils

10.30 – 10.50 **Lidia Oktaba (Poland)** Influence of Birch Afforestation on the Soil Organic Matter Composition in Soils with Different Textures

10.50 – 11.20 **Coffee break**

### **Session 2: Recent trends in humic substances research**

Chair persons: **Deborah Pinheiro Dick and Irmina Ćwieląg-Piasecka**

11.20 – 11.40 **Miloslav Pekař (Czech Republic)** Soil Organic Matter and Microcalorimetry

11.40 – 12.00 **Richard Lamar (USA)** An A-TEEM Method for Validation and Quantitation of Fulvic Fractions

12.00 – 12.20 **Maria Jerzykiewicz (Poland)** Humic substances as NO<sub>2</sub> sorbents

12.20 – 12.40 **Agnieszka Grabusiewicz (Ireland)** The impact of different land uses on the composition of humic substances: elemental and spectroscopic studies with applied chemometrics

12.45 – 15.00 **Lunch time**

### **Session 3: Carbon sequestration and role of humic substances in the flow of components between ecosystems**

Chair persons: **Peter K. Leinweber and Jolanta Kwiatkowska-Malina**

15.00 – 15.30 Key note lecture: **Marios Drosos (Italy), secretary of the International Humic Substances Society**: Insights into the Soil Humeome

15.30 – 15.50 **Lubica Pospíšilová (Czech Republic)**

Comparison of humic substances across various ecosystems

15.50 – 16.10 **Bořivoj Šarapatka (Czech Republic)**

The influence of water erosion on the transport and transformation of soil organic matter

16.10 – 16.30 **Tianjing Ren (China)** Asymmetric responses of soil dissolved organic carbon and dissolved organic nitrogen to warming: a meta-analysis

16.30 – 17.00 **Coffee break**

17.00 – 18.30 **Poster session**

19.00 – 24.00 **Conference Dinner**

### **Wednesday, June 4th**

7.30 – 9.00 **Breakfast**

#### **Session 4: Organic fertilizers and soil-improving products**

Chair persons: **Miloslav Pekař and Jakub Bekier**

9.00 – 9.20 **Jerzy Weber (Poland)**

The effect of different soil management on properties of SOM

9.20 – 9.40 **Peter K. Leinweber (Germany)** New insights into composition and stability of soil organic matter in the Broadbalk classical field experiment

9.40 – 10.00 **Mariusz Gusiatin (Poland)** Effect of co-application of leonardite and sewage sludge biochar on copper immobilization in soil

10.00 – 10.15 **Summary of the oral and poster presentations**

10.15 – 11.00 **Coffee break**

12.00 – 13.30 **Lunch time**

14.00 – 17.00 **Field session, Charbielin terroir**

19.00 – 22.00 **Barbeque**

### **Thursday, June 5th**

7.00 – 9.00 **Breakfast**

11.00 **Departure to Wrocław**. The bus will stop near the railway station and at the campus of Wrocław University of Environmental and Life Sciences, Grunwaldzka 55.

**Arrival in Wrocław: around 1 p.m**

Poster presentations:

No.	Authors	Title
1.	Erika Balontayova	Humus substances in different tillage systems
2.	<u>Magdalena Banach-Szott</u> , Bożena Dębska, Erika Balontayova	Properties of humic acids in soils with different cultivation methods
3.	<u>Marcin Becher</u> , Adam Matyszcak, Agnieszka Godlewska, Dawid Jaremko	Labile and stable forms of organic matter in waste biomass generated during mushroom cultivation
4.	<u>Marcin Becher</u> , Nora Polláková, Jana Konôpková, Dawid Jaremko, Natalia Barbarczyk	The influence of woody plant species on the properties of soil organic matter in the Arboretum
5.	<u>Magdalena Bednik-Dudek</u> , Kacper Świechowski, Kamila Zasańska, Joanna Rosik, Sylwia Stegenta-Dąbrowska	Thermal conversion of dairy sewage sludge into biochar - physicochemical evaluation and fertilizer potential
6.	<u>Romualda Beijer</u> , Aleksandra Ukalska-Jaruga, Lilla Mielnik, Paweł Nicia, Paweł Zadrożny, Piotr Parzych	Molecular-level changes in humic acids induced by pendimethalin sorption
7.	<u>Jakub Bekier</u> , Elżbieta Jamroz, Karolina Walenczak-Bekier, Katarzyna Adamczewska- Sowińska, Józef Sowiński	Selected properties of humic acids formed under intensive anthropopressure conditions
8.	<u>Patrycja Boguta</u> , Kamil Skic, Angelika Gryta	Coupled thermal analysis as a valuable tool for assessing the properties of humic-like acids from waste biomass
9.	<u>Irmina Ćwiela-Piasecka</u> , Jacek Łyczko, Elżbieta Jamroz, Andrzej Kocowicz, Dorota Kawałko	Antioxidants in soils under various land uses
10.	<u>Irmina Ćwiela-Piasecka</u> , Victor O. Shikuku	Sorption of carbamate insecticides by soil organic matter fractions
11.	<u>Magdalena Dębicka</u> , Adam Bogacz	Quality of soil organic matter in eutrophic and dystrophic terrestrial ecosystems differing in moisture conditions
12.	<u>Magdalena Dębicka</u> , Elżbieta Jamroz, Adam Bogacz, Jerzy Weber, Andrzej Kocowicz	The role of humic substances in P retention in the mollic horizons of Phaeozem and Chernozem developed from different parent materials in the temperate climatic zone of Poland
13.	<u>Bożena Dębska</u> , Magdalena Banach-Szott	The impact of long-term application of manure and nitrogen fertilizers on properties of humic acids of Luvisol
14.	Marcin Becher, <u>Agnieszka</u> <u>Godlewska</u> , Dawid Jaremko, Elżbieta Krzęcio-Nieczyporuk, Andrzej Soroka	The influence of the process of secondary transformation of organic matter in drained peat bogs on the accumulation and forms of lead
15.	<u>Ján Halas</u> , Gabriela Barančíková, Štefan Koco	Preparation of management data for modelling of SOC stock for selected set of monitoring localities
16.	<u>Elżbieta Jamroz</u> , Jakub Bekier, Katarzyna Adamczewska- Sowińska, Józef Sowiński	Humus-like fractions in compost produced from willow, <i>Salix viminalis</i> L.
17.	<u>Elżbieta Jamroz</u> , Maria Jerzykiewicz, Andrzej Kocowicz, Jakub Bekier, Nora Polláková,	Soil organic matter quality of Brunic Arenosols covered with broadleaved and coniferous mixed forest

	Magdalena Dębicka, Irmina Ćwieląg-Piasecka	
18.	David Sirucek, Vojtěch Enev, Leona Kubíková, Jaromír Pořízka, Martina Klučáková, <u>Michal Kalina</u>	Biochar as the tool for the remediation of soils
19.	<u>Dorota Kawałko</u> , Elżbieta Jamroz, Maria Jerzykiewicz, Irmina Ćwieląg-Piasecka	Properties of humic acids in alluvial soils under the conditions of the middle Odra River valley regulation
20.	<u>Dorota Kawałko</u> , Anna Karczewska, Irmina Ćwieląg-Piasecka	Organic matter balance under variety uses of urban green spaces in Wrocław
21.	<u>Martina Klučáková</u> , Petra Závodská	Effect of organic matter on the immobilization of pharmaceuticals in soils
22.	<u>Mirosław Kobierski</u> , Magdalena Banach-Szott	Impact of land use type on the properties of humic substances in the surface layer of Fluvisols in the Grudziądz Valley (Lower Vistula River, Poland)
23.	<u>Štefan Koco</u> , Gabriela Barančíková, Ján Halas	Preparation of climate data and scenarios for modelling of SOC stock for selected set of monitoring localities
24.	Kocowicz Andrzej	The influence of tourist and agricultural use on the composition of humic substances in selected mountain soils of the Karkonosze Mountains
25.	Kocowicz Andrzej	The influence of tourism and agriculture on the transformation of organic matter in selected mountain soils of the Karkonosze Mountains
26.	<u>Izabela Krupińska</u> , Sylwia Myszograj, Ewelina Płuciennik-Koropczuk, Jakub Kostecki	Application of hyperspectral methods for the analysis of humic substances in surface waters
27.	<u>Jolanta Kwiatkowska-Malina</u> , Radosław Rogoziński	Smart strategies for urban soil health
28.	<u>Joanna Lemanowicz</u> , Jan Palacz	The effect of biochar on the content of available P, K, Mg and the activity of selected enzymes in soil
29.	<u>Magdalena Myszura-Dymek</u> , Grażyna Żukowska	The impact of exogenous organic matter on the content and quality of humus compounds in various types of soil
30.	Pisarek Izabella	Use of spent mushroom substrate in sustainable farm production
31.	<u>Jana Plisková</u> , Lubica Pospíšilová, Pavel Nerušil, Tomáš Šimon, Ladislav Menšík	Infrared spectroscopy of humic substances isolated from grassland soils
32.	<u>Nora Polláková</u> , Elżbieta Wójcik-Gront, Jerzy Jonczak, Ján Gažo, Elżbieta Jamroz, Irmina Ćwieląg-Piasecka	Soil organic matter and basic physical parameters as indicators of the suitability of reduced and conventional system for tillage Chernozems, Haplic Luvisols and Mollic Fluvisols under Central European conditions
33.	<u>Kamil Skic</u> , Patrycja Boguta, Angelika Gryta	Identification of chemical, surface, and structural properties of humic-like acids extracted from digestate
34.	<u>Tianjing Ren</u> , Guillaume Debaene, Aleksandra Ukalska-Jaruga, Bożena Smreczak	Crop systems influence quantity and quality of DOM components
35.	Aleksandra Ukalska-Jaruga	Effect of organic matter on sorption and availability of persistent organic pollutants in soils
36.	<u>Grażyna Żukowska</u> , Magdalena Myszura-Dymek	Properties of humic acid in composts from bio-waste