

**Program of poster sessions with flash talks: short talk (up to 3 min) + a short discussion**

*Hotel Bellevue in Horný Smokovec, High Tatras, Slovakia  
Root Symposium 2022*

Poster No.	MONDAY June 13, 18:10 - 19:00	
1	<b>Alain Shumbusho</b>	SPECIFIC MUTATIONS IN PLANT CALPAIN DEK1 DIFFERENTLY AFFECT TIP GROWTH OF PROTONEMATA AND RHIZOIDS IN THE MOSS <i>PHYSCOMITRIUM PATENS</i>
2	<b>Fatima Cvrčková</b>	IDENTIFICATION OF INTERACTION PARTNERS OF SELECTED ARABIDOPSIS ROOT-EXPRESSED FORMINS
3	<b>Eva Kollárová</b>	SUB-CELLULAR LOCALISATION OF ATFH5-GFP IN <i>ARABIDOPSIS THALIANA</i> BORDER-LIKE CELLS
4	<b>Paulina Kościelniak</b>	FACTORS REGULATING INITIAL STAGES OF TAPROOT GROWTH IN <i>QUERCUS ROBUR</i> : POTENTIAL IMPLICATIONS FOR FOREST NURSERIES MANAGEMENT
5	<b>Alexie Técher</b>	CHARACTERISATION OF ERF028 TRANSCRIPTION FACTOR DURING CROWN ROOT DEVELOPMENT IN BARLEY ( <i>HORDEUM VULGARE</i> )
6	<b>Thu Nguyen</b>	ROLE OF LOB-DOMAIN PROTEINS IN CROWN-ROOT INITIATION AND DEVELOPMENT IN BARLEY ( <i>HORDEUM VULGARE</i> L.)
7	<b>Nikola Kořínková</b>	EXPLORING THE ROLE OF MIRNA-REGULATED AUXIN SIGNALING IN CROWN ROOT INITIATION IN BARLEY ( <i>HORDEUM VULGARE</i> L.)
8	<b>Monika Bathóová</b>	CHANGES IN PEA ROOT ANATOMY CAUSED BY APPLICATION OF COLD ATMOSPHERIC PRESSURE PLASMA
9	<b>Ľudmila Slovákova</b>	DOES THE APPLICATION OF COLD ATMOSPHERIC PRESSURE PLASMA (CAPP) TO SEEDS CAUSE STRESS IN THE ROOTS OF YOUNG SEEDLINGS?

Poster No.	TUESDAY June 14, 17:20 - 19:00	
10	<b>Roza Bilas</b>	THE <i>ARABIDOPSIS THALIANA</i> ECOTYPES DISCRIMINATION AS A FUNCTION OF ENVIRONMENTAL GRADIENTS
11	<b>Lucie Svobodníková</b>	MORPHOLOGICAL-ANATOMICAL STUDY OF PEA ROOTS UNDER NAPROXEN STRESS
12	<b>Marek Randuch</b>	SCREEN FOR REGULATORS OF WOUND HEALING MARKER ERF115
13	<b>Darina Peterková</b>	THE ROLE OF ATSYT1 IN SALT STRESS RESPONSE: A PROTEOMIC ANALYSIS OF ARABIDOPSIS ROOTS
14	<b>Edit Horváth</b>	FOCUSING ON THE ROLE OF GLUTATHIONE AND RELATED PROCESSES IN SALT STRESS RESPONSE OF TOMATO CULTIVARS
15	<b>Dominik Kostoláni</b>	DIFFERENT METABOLITE INVOLVEMENT IN STRESS TOLERANCE OF SELECTED SORGHUM CULTIVARS
16	<b>Kristina Trush</b>	EFFECT OF LOW PH AND ALUMINIUM ON EXUDATION OF ORGANIC ACIDS AND FLAVONOIDS IN <i>LOTUS JAPONICUS</i> AND <i>LOTUS CORNICULARIS</i>
17	<b>Jana Kohanová</b>	MAIZE ROOT IN DEFENCE AGAINST NICKEL
18	<b>Roderik Fiala</b>	SILICON ALLEVIATES NICKEL-INDUCED STRESS IN MAIZE ROOTS INFLUENCING ANTIOXIDANT DEFENCE SYSTEMS
19	<b>Milan Novák</b>	CHANGES IN THE CONTENT OF ESSENTIAL ELEMENTS AND MORPHOLOGY OF THE RADISH ( <i>RAPHANUS SATIVUS</i> L.) UNDER ARSENIC STRESS
20	<b>Adriana Mišúthová</b>	DOES SILICON AFFECT ROOT GROWTH, ANTIOXIDANT PERFORMANCE, AND PAL OF MAIZE ROOTS EXPOSED TO ARSENIC TOXICITY?
21	<b>Anna Kokavcová</b>	RESPONSE OF AQUATIC MACROPHYTE <i>PISTIA STRATIOTES</i> (L.) TO ABIOTIC STRESS AND ITS ACCUMULATION POTENTIAL
22	<b>Vidya Chirappurathu Sukumaran Nair</b>	DO ANTIMONY AND SILICON SHARE SAME UPTAKE PATHWAY IN PLANTS?
23	<b>Katarína Jašková</b>	THE EFFECT OF ANTIMONY AND SILICON ON SOME GROWTH AND PHYSIOLOGICAL PARAMETERS IN THE ROOTS OF TWO DIFFERENT MAIZE CULTIVARS
24	<b>Ivana Fialová</b>	THE EFFECT OF SILICON ON SOME ANTIOXIDANT ENZYMES IN DIFFERENTLY STRESS-SUSCEPTIBLE MAIZE CULTIVARS UNDER ANTIMONY-STRESS
25	<b>Diana Hačkuličová</b>	ACTIVITY OF PEROXIDASES IN THE PRESENCE OF GALACTOGLUCOMANNAN OLIGOSACCHARIDES AND CADMIUM IN MAIZE ROOTS
26	<b>Eva Labancová</b>	STIMULATORY EFFECTS OF SILICON IN MUNG BEAN ROOTS UNDER ANTIMONY STRESS
27	<b>Veronika Mistříková</b>	EFFECTS OF CADMIUM AND SILICON ON THE MORPHOLOGY OF AMARANTH 'PRIBINA' ROOTS
28	<b>Monika Szabóová</b>	SILICON REDUCES CADMIUM UPTAKE IN SLOVAK AMARANTH VARIETY 'PRIBINA'