

## 7<sup>TH</sup> ANNUAL PGS CONFERENCE

19 February 2016

Krajnova auditorium, Benátská 2, Praha 2

8:00 – 8:15	Conference opening (Doc. RNDr. Tomáš Cajthaml, PhD)
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1st Section – Air quality protection		
8:15 – 8:35	Nick TALBOT	3 <sup>rd</sup> year
Particle Size, Mass and Chemical Transitions from an Outdoor to Indoor Environment in Prague, Czech Republic with Attention to Nitrate.		
8:35 – 8:50	Jan BENDL	2 <sup>nd</sup> year
Relationship between c-PAHs and Elemental Composition of Size-segregated Aerosol in Winter.		
8:50 – 9:10	Cecilia LEONI	3 <sup>rd</sup> year
Contribution of Local and Transported Pollution in European Air Quality Hot-spot.		
9:10 – 9:30	Vojtěch STRÁNÍK	3 <sup>rd</sup> year
The Contribution of HNO <sub>3</sub> (g) to Nitrogen Deposition in the Czech Republic.		
9:30 – 9:50	Jitka ŠTOLCPARTOVÁ	4 <sup>th</sup> year
Internal Combustion Engines as the Main Source of Ultrafine Particles.		

9:50 – 10:05	Coffee break
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2 <sup>nd</sup> Section – Ecology		
10:05 – 10:20	Zuzana ŠTÍPKOVÁ	2 <sup>nd</sup> year
Determinants of Orchid Species Diversity Worldwide.		
10:20 – 10:30	Peter CHANAS	1 <sup>st</sup> year
Ants on the Patches Around Power-Line Pylons in Agricultural Landscape and the Effect of Clustering in Thermoregulation of Red Wood Ants ( <i>Formica</i> ).		
10:30 – 10:45	Roman LYACH	2 <sup>nd</sup> year
The Role of Stocked, Invasive and Endangered Species in the Diet of the Great Cormorant.		
10:45 – 11:05	Jan HANZELKA	4 <sup>th</sup> year
Birds in Stands of Non-native Trees.		
11:05 – 11:25	Binu TIMSINA	5 <sup>th</sup> year
Diversity and Distribution of Epiphytic Orchid Species Along Elevational Gradients in Nepal.		

11:25 – 11:40	Coffee break
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<b>3<sup>rd</sup> Section – Soil Science</b>		
<b>11:40 – 11:50</b>	<b>Barbora ČÍŽKOVÁ</b>	<b>1<sup>st</sup> year</b>
Development of Soil Chemical and Microbial Properties in Reclaimed Meadows and Non Reclaimed Grasslands in Heaps After Open Cast Coal Mining.		
<b>11:50 – 12:00</b>	<b>Petra RADOCHOVÁ</b>	<b>1<sup>st</sup> year</b>
Nematode Community as Indicator of Ecosystem Development and Restoration Success.		
<b>12:00 – 12:20</b>	<b>Jabbar MORADI</b>	<b>3<sup>rd</sup> year</b>
Primary Succession Seen Through the Shifted Patterns of Plant Traits and Soil Macrofauna Above/under-ground Activity, a Different Ecological Perspective Towards Post Mining Sites.		
<b>12:20 – 12:40</b>	<b>Olga VINDUŠKOVÁ</b>	<b>3<sup>rd</sup> year</b>
Key Factors Affecting Soil Organic Matter Accumulation.		

12:40 – 13:45	Lunch break
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<b>4<sup>th</sup> section - Hydrology</b>		
<b>13:45 – 14:05</b>	<b>Eva JURANOVÁ</b>	<b>4<sup>th</sup> year</b>
Estimating of Contamination Transport in Hydrosphere Using Tritium as Tracer.		
<b>14:05 – 14:20</b>	<b>Marie KAHOUNOVÁ</b>	<b>2<sup>nd</sup> year</b>
Morphology of Alpine Catchments and Lake Recovery from Acidification.		
<b>14:20 – 14:40</b>	<b>Filip BENEŠ</b>	<b>3<sup>rd</sup> year</b>
Chemical and Biological Recovery from Acidification of Mountain Streams.		

14:40 – 15:00	Coffee break
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<b>5<sup>th</sup> section - Ecotoxicology</b>		
<b>15:00 – 15:10</b>	<b>Jaroslav SEMERÁD</b>	<b>1<sup>st</sup> year</b>
Development and Application of Novel Ecotoxicity Tests to Assess Environmental Safety of Nanomaterials.		
<b>15:10 – 15:20</b>	<b>Kamila ŠRÉDLOVÁ</b>	<b>1<sup>st</sup> year</b>
Biodegradation Mechanism of Polychlorinated Biphenyls.		
<b>15:20 – 15:40</b>	<b>Martin EZECHIÁŠ</b>	<b>5<sup>th</sup> year</b>
New Approach to Predict Toxic Mixtures Effects of Estrogen Receptor Agonists with Different Parameters of Individual Curves.		
<b>15:40 – 16:00</b>	<b>Ondřej LHOTSKÝ</b>	<b>3<sup>rd</sup> year</b>
Composting for Ex Situ/on Site Decontamination of POPs Contaminated Soils.		

16:00	Conference Ending & Informal Meeting
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