

Programme

Friday, 18.05.2018, Collegium Śniadeckiego, Jagiellonian University, Kraków

Aerobiological Symposium under the patronage of the Aerobiology Section
of the Polish Botanical Society

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| 8.00-9.00 | Registration |
| 9.00 | Welcome: Dorota Myszkowska & Józef Mitka |
| 9.10-11.00 | Session 1 |
| | Chairs: Dorota Myszkowska & Andrzej Skoczowski |
| 9.10 | Wanda Wilczyńska-Michalik, Łukasz Tyrała & Marek Michalik – Air pollution in Krakow – particulate matter, its characteristics and origin |
| 9.25 | Małgorzata Puc, Tomasz Wolski & Alicja Stacewicz – Pollen allergens and smog phenomenon |
| 9.35 | Andrzej Skoczowski, Monika Ziemianin, Jakub Oliwa, Andrzej Kornas & Dorota Myszkowska – The influence of air pollution on the physiological condition of silver birch (<i>Betula pendula</i> Roth) trees – possible correlations with pollen allergenic property |
| 9.50 | Monika Ziemianin, Jacek Waga, Dorota Myszkowska, Andrzej Skoczowski & Ewa Czarnobilska – Electrophoresis of proteins in birch pollen extracts collected from locations of different pollution levels |
| 10.05 | Idalia Kasprzyk, Tomasz Wójcik, Paloma Cariñanos, Katarzyna Borycka & Agata Ćwik – Application of the allergenicity index to assess the impact of urban greenery on sensitized people |
| 10.25 | Joanna Bokalska-Rajba & Dorota Nalepka – Comparison of the content of spore-morphs in the soil surface sample with the Tauber type trap collected in 2007 and 2017, at the Gronostajowa street site in Krakow |
| 10.40 | Barbara Majkowska-Wojciechowska, Zofia Balwierz & Marek L. Kowalski – The pollination pattern in central Poland has not been changes during fifteen years of observations |
| 11.00 | <i>Coffee break</i> |
| 11.30-13.15 | Session 2 |
| | Chairs: Elżbieta Weryszko-Chmielewska & Bogdan Jackowiak |
| 11.30 | Joanna Wieczorek – Meteorological conditions and the hazel flowering at the beginning of 2018 – typical or unusual? |
| 11.50 | Katarzyna Borycka & Idalia Kasprzyk – Increased pollen concentrations during rainfall and storms – an attempt to explain this phenomenon |

- 12.10 Katarzyna Borycka & Idalia Kasprzyk – Airborne *Alnus* pollen during snowfall – aerobiological anomaly?
- 12.20 Małgorzata Kępińska-Kasprzak – Phenological observations run by the Institute of Meteorology and Water Management – National Research Institute
- 12.50 Artur Górecki & Dorota Myszkowska – Phenological observations of *Ambrosia artemisiifolia* in Kraków – preliminary results
- 13.00 Danuta Stępalska, Dorota Myszkowska, Katarzyna Piotrowicz, Katarzyna Borycka, Kazimiera Chłopek, Łukasz Grewling, Janka Lafféřsová, Barbara Majkowska-Wojciechowska, Małgorzata Malkiewicz, Krystyna Piotrowska-Weryszko, Małgorzata Puc, Victoria Rodinkova, Ondrej Rybniček, Jana Ščevková & Katharyna Voloshchuk – Frequency of high *Ambrosia* pollen concentrations in Poland conditioned by meteorological parameters
- 13.15 *Lunch time and common photo in the Botanical Garden*

14.15-15.40 Session 3

Chairs: Małgorzata Jędryczka & Idalia Kasprzyk

- 14.15 Akinwunmi O. Latunde-Dada, Joanna Kaczmarek, Jenna F. Stonard, Zbigniew Karolewski, Bruce D. L. Fitt & Małgorzata Jędryczka – Reflections and projections on a decade of aerobiological studies on British and Polish phoma stem canker disease of oilseed rape caused by *Leptosphaeria maculans*
- 14.35 Joanna Kaczmarek, Idalia Kasprzyk, Beata Żuraw, Zbigniew Karolewski & Małgorzata Jędryczka – Concentration of ascospores of *Leptosphaeria maculans* and *L. biglobosa* in Poland in autumn 2015-2017
- 14.50 Agnieszka Grinn-Gofroń, Joanna Kaczmarek, Magdalena Sadyś, Agnieszka Strzelczak, Victoria Rodinkova, Alex Prikhodko & Małgorzata Jędryczka – Modern tools for tracking of fungal spore transport in air masses, using *Leptosphaeria* spp. as an example
- 15.10 Joanna Kaczmarek, Kalina Górniak, Witold Irzykowski, Neil Havis & Małgorzata Jędryczka – Molecular detection of *Ramularia collo-cygni* – the endophyte and pathogen of grasses
- 15.25 Paweł Bogawski, Łukasz Grewling, Małgorzata Nowak, Agata Szymańska, Łukasz Kostecki & Bogdan Jackowiak – Meteorological conditions at different troposphere levels during extremely high concentrations of *Alternaria* and *Cladosporium* spores
- 15.40 *Short break*

15.45-17.15 Session 4

Chairs: Krystyna Piotrowska-Weryszko & Łukasz Grewling

- 15.45 Lilia Kremenska & Victoria Rodinkova – Amaranthaceae plants pollination in the city of Vinnytsya, Ukraine
- 16.00 Agata Frątczak, Łukasz Grewling, Paweł Bogawski, Ewa Stein & Łukasz Kostecki – *Artemisia campestris* – an important source of airborne allergens
- 16.15 Katarzyna Dąbrowska-Zapart & Kazimiera Chłopek – Alder pollen seasons in 1997-2017, in Sosnowiec
- 16.30 Małgorzata Werner, Maciej Kryza, Małgorzata Malkiewicz, Daria Blińska, Piotr Rapiejko, Kazimiera Chłopek, Katarzyna Dąbrowska-Zapart, Dariusz Jurkiewicz, Ewa Kalinowska, Agnieszka Lipiec, Barbara Majkowska-Wojciechowska, Dorota Myszkowska, Krystyna Piotrowska-Weryszko, Małgorzata Puc, Adam Rapiejko, Grzegorz Sergiejko, Elżbieta Weryszko-Chmielewska, Andrzej Wiczorkiewicz & Monika Ziemianin – Application of heating degree days and the ERA5 dataset for determining the start of the *Betula* pollen season over Poland – 1st step of the pollen emission module development

- 16.45 Agnieszka Kubik-Komar, Krystyna Piotrowska-Weryszko & Elżbieta Kubera – Application of classification trees in the morphological feature selection for birch, hazel and alder pollen grains
- 17.00-17.15 Session summary
- 19.00-22.00 Social meeting in Pistacja Restaurant

———— Saturday, 19.05.2018, Collegium Śniadeckiego, Jagiellonian University, Kraków

Medical Sessions under the patronage of the Lesser Poland Branch of the Polish Society of Allergology

- 8.00-14.00 Registration
- 8.30-9.30 Meeting of the Aerobiological Section of the Polish Botanical Society
- 10.00-10.10 Welcome: Ewa Czarnobilska
- 10.10-11.20 Session 1**
Chair: Grzegorz Porębski
- 10.10 Anna Rams & Stanisława Bazan-Socha – Allergic respiratory diseases in season and out of pollen season – prevention and treatment
- 10.40 Łukasz Grewling – Pollen or allergen monitoring? Useful information about the varying exposure during pollen season
- 11.10 *Pharmaceutical company presentation*
- 11.20 *Coffee break*
- Posters Svitlana Zubchenko, Stepan Maruniak & Olena Sharikadze – Ragweed sensitization in allergic patients from the Western and in the Central part of Ukraine: diagnosis and efficacy of sublingual immunotherapy
Roksolyana Holovyn – Experience of allergen immunotherapy in children with IgE – related seasonal allergic rhinitis
- 11.50-13.00 Session 2**
Chair: Stanisława Bazan-Socha
- 11.50 Małgorzata Bulanda & Ewa Czarnobilska – Component resolved diagnostics (CRD) in allergology – descriptions of clinical cases
- 12.10 Barbara Majkowska-Wojciechowska – The benefits and dangers of genetically engineered organisms in relation to the allergic reactions
- 12.30 Dorota Myszkowska & Michał Lupa – Available mobile tools for allergy sufferers and new proposal including the individual monitoring of allergic symptoms
- 13.45 *Pharmaceutical company presentation*
- 13.55 Closing ceremony: Dorota Myszkowska
- 13.00-14.00 *Lunch*