

Programme

Friday, 02.06.2017, Collegium Biologicum, Poznań

- 8.00-9.00 Registration
9.00 Welcome: Bogdan Jackowiak
- 9.10-11.05 Session 1: Molecular aerobiology**
Chairs: Dorota Myszkowska & Paweł Bogawski
- 9.10 Rafał Górny – Microbial fragments as air contaminants – release mechanisms and biological activity
- 9.40 Tomasz Osiński, Maksymilian Chruszcz, Martin D. Chapman, Robert Solberg, Matthew Demas, Przemysław J. Porębski, Karolina A. Majorek, Anna Pomes & Władek Minor – Alt a 1 – a unique β -barrel protein
- 10.10 Łukasz Grewling, Paweł Bogawski, Agata Szymańska, Łukasz Kostecki & Małgorzata Nowak – Detection of the main allergen on *Alternaria alternata* (Alt a 1) in different air fractions
- 10.25 Joanna Kaczmarek, Agnieszka Grinn-Gofroń, Magdalena Sadyś & Małgorzata Jędryczka – DNA-based detection and back-trajectory modelling allow tracking fungal pathogens of the genus *Leptosphaeria* transported in air
- 10.35 Agata Frączak, Ewa Stein & Łukasz Kostecki – *Artemisia* pollen allergens expression profile
- 10.50 Idalia Kasprzyk, Joanna Depciuch, Magdalena Parlińska-Wojtan, Dorota Grabek-Lejko & Elżbieta Roga – Identification of pollen grains by spectroscopic methods
- Invitation to Agnieszka Wojciechowska photography exhibition – Extraordinary nature of Nicaragua – the land of volcanoes*
- 11.05 *Coffee break*
- 11.30-13.10 Session 2: Environmental aerobiology (Part 1)**
Chairs: Elżbieta Weryszko-Chmielewska & Agata Frączak
- 11.30 Magdalena Czarnecka-Operacz – Allergic skin diseases – still an up-to-date clinical challenge
- 12.00 Teresa Hofman & Anna Maria Hofman – The role of *Fusarium moniliforme* molds in allergic rhinitis caused by grass pollen allergy
- 12.20 Dorota Jenerowicz – The role of airborne allergens in atopic dermatitis
- 12.35 Jerzy Michalik & Teresa Hofman – Sensitization prevalence to selected inhalant allergens among a group of students of Department of Biology, Adam Mickiewicz University in Poznań based upon skin prick test
- 12.40 Katarzyna Dąbrowska-Zapart, Kazimiera Chłopek, Mariola Jabłońska, Mieczysław Leśniok & Ewa Krakowiak – Variability in the concentration and composition of pollen grains and atmospheric dusts and their impact on human health in Sosnowiec

- 12.50 Dorota Myszkowska, Magdalena Kostrzon, Wojciech Dyga, Jolanta Kędzierska, Maciej Mikołajczyk, Krystyna Obtulowicz, Andrzej Stanisław, Monika Zagórska & Ewa Czarnobilska – Bioaerosol of salt chambers in the Health Resort of “Wieliczka” Salt Mine, Poland
- 13.05 Paweł Jelec – The microclimate of the selected types of the large-volume buildings in which the heat gains from people occur in the context of the mold risk
- 13.10 *Lunch time*
- 14.00-15.40 Session 2: Environmental aerobiology (Part 2)**
Chairs: Idalia Kasprzyk & Łukasz Grewling
- 14.00 Barbara Majkowska-Wojciechowska, Zofia Balwierz & Marek L. Kowalski – Tree pollen calendar for central Poland – 14 years of experience
- 14.15 Elżbieta Weryszko-Chmielewska, Krystyna Piotrowska-Weryszko, Aneta Sulborska, Beata Żuraw, Marta Dmitruk & Krzysztof Stępniewski – Characterisation of the *Salix* spp. pollen seasons in Lublin in 2001-2016
- 14.30 Kateryna Voloshchuk, Galina Melnichenko & Natalia Vorobets – *Betula* pollen in aeroplankton of Lviv and Ivano-Frankivsk (Ukraine) in 2013
- 14.40 Agnieszka Grinn-Gofroń & Beata Bosiacka – A comparative study of hourly and daily relationships between basic meteorological parameters and airborne fungal spore composition
- 14.55 Agnieszka Kubik-Komar, Izabela Kuna-Broniowska, Krystyna Piotrowska-Weryszko, Elżbieta Weryszko-Chmielewska, Kazimiera Chłopek, Dorota Myszkowska, Małgorzata Puc, Piotr Rapiejko & Monika Ziemianin – Multivariate statistical analysis of *Betula* pollen seasons in selected cities of Poland
- 15.10 Małgorzata Puc & Tomasz Wolski – Prediction of birch and ash pollen intradiurnal concentration in Szczecin
- 15.25 Katarzyna Borycka, Agata Dulaska-Jeż & Idalia Kasprzyk – Arboreal pollen grains in deposition and volumetric sampling – comparison of two methods of annual pollen monitoring
- 15.30 Dorota Wrońska-Pilarek, Piotr Szkudlarz & Jan Bocianowski – Systematic importance of pollen morphological features of species from the genus *Erica* (Ericaceae)
- 15.40 *Coffee break*
- 16.05-18.25 Session 3: Spatial aerobiology**
Chairs: Bogdan Jackowiak & Maciej Nowak
- 16.05 Małgorzata Werner & Maciej Kryza – Utilisation of modeling in air quality assessment
- 16.35 Marta Samulowska, Michał Lupa, Szymon Chmielewski, Dorota Myszkowska, Ewa Czarnobilska & Edyta Wyka – Pollen in a “cloud”
- 16.50 Michalina Bielawska – The usage of GIS in modelling of air pollutants
- 17.05 Katarzyna Borycka, Paweł Bogawski, Łukasz Grewling & Idalia Kasprzyk – Synoptic conditions associated with post-seasonal transport of birch pollen to Poland
- 17.20 Hanna Ojrzyńska, Daria Bilińska, Małgorzata Werner & Maciej Kryza – Atmospheric circulation conditioning of *Betula*, *Alnus* and *Ambrosia* pollen concentration in Wrocław, Poland
- 17.35 Paweł Bogawski, Łukasz Grewling & Bogdan Jackowiak – A simple method for assessing birch pollen inventory in urban area

- 17.50 Pawel Durka, Joanna Struzewska & Jacek W. Kaminski – Pollens forecast in Copernicus Atmosphere Monitoring Service – Regional Production
- 18.05 General discussion: Bogdan Jackowiak
- 18.25 Closing ceremony: Kazimierz Szczepanek & Bogdan Jackowiak
- 19.30-22.00 Social meeting at AMU Botanic Garden

Saturday, 03.06.2017, Collegium Biologicum, Poznań

- 9.00-10.30 General assembly of the Aerobiological Section of Polish Botanical Society
- 10.30 *Coffee break*

- 10.45-16.00 The 6th BioGIS Forum – Spatial Information System in Biodiversity Sciences “GIS tools and data sources in the modelling of the spreading of pollen grains and fungal spores” (Detailed programme on page 40)