



7th *Virtual Edition*
**EUROPEAN
SYMPOSIUM ON
AEROBIOLOGY**

from **16** to **20**
NOV 2020
CÓRDOBA, SPAIN



POSTER SESSION 1

Phenology, Climate Change and Basic Aerobiology

November 17th, 2020 | 10.30 – 11.30 h (UCT +1)

Moderators: María Fernández and Carl Frisk

No.	CODE	ID	TITLE	FIRST AUTHOR
1	P.001	ID-034	The European Aerobiology Society: an association in action for multidisciplinary research on aerobiology	Ingrida Šaulienė
2	P.002	ID-186	Analysis of distance range characteristics of <i>Castanea</i> pollen	Rocío López-Orozco
3	P.003	ID-085	First phenological and aerobiological assessment of olive orchards at the Northern limit of the Mediterranean bioclimatic area	María Fernández-González
4	P.004	ID-077	Floral phenology trends in a Mediterranean Natural Park during the last two decades.	Herminia Garcia-Mozo
5	P.005	ID-086	Phenological and aerobiological grapevine trends in the Ribeiro D.O. area.	María Fernández-González
6	P.006	ID-122	Extreme precipitation and climate change in the Iberian Peninsula: possible aerobiological consequences	M. Carmen Casas-Castillo
7	P.007	ID-210	Analysis of changes in the start of the <i>Betula</i> pollen season in Lublin (Poland) in 2001-2019	Agnieszka Kubik-Komar
8	P.008	ID-123	Long-term airborne pollen monitoring in southern Bavaria: time series analysis with implications for land use and climate	Stephan Jung



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SYMPOSIUM ON
AEROBIOLOGY**

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NOV 2020
CÓRDOBA, SPAIN



No.	CODE	ID	TITLE	FIRST AUTHOR
9	P.009	ID-211	Aerobiology of olive pollen (<i>Olea europaea</i> L.) in the atmosphere of Portugal	Claudia Penedos
10	P.010	ID-125	Pollen production and androsterility in olive cultivars	María De Las Mercedes Rojas-Gómez
11	P.011	ID-099	Spatial Flowering Patterns in <i>Dactylis glomerata</i> Populations	Carl A. Frisk
12	P.012	ID-165	Comprehensive study of the phylogenetic and environmental characteristics involved in the flowering timing of grass species	Rosa Pérez-Badia



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CÓRDOBA, SPAIN



POSTER SESSION 2

Green Urban Spaces, Pollution and Basic Aerobiology

November 17th, 2020 | 15.30 – 16.30 h (UCT +1)

Moderators: Santiago Fernández-Rodríguez and Emma Markey

No.	CODE	ID	TITLE	FIRST AUTHOR
1	P.013	ID-140	Study of the correlation between the precipitation ETCCDI and airborne pollen in the NE of the Iberian Peninsula	M. Carmen Casas-Castillo
2	P.014	ID-110	Potential contribution of distant sources to the airborne <i>Betula</i> pollen transport over NE Iberian Peninsula	Marta Alarcón
3	P.015	ID-074	Proposal of LIDAR applied in ISTRAM BIM for Environmental Impact Assessments based on urban green infrastructure and aerobiological air quality	Santiago Fernández-Rodríguez
4	P.016	ID-073	Light Detection and Ranging on Building Modelling Information as tool for urban planning by green infrastructure of Cupressaceae spp	Santiago Fernández-Rodríguez
5	P.017	ID-196	Airborne pollen flora of Manila, Philippines	Maureen Sabit
6	P.018	ID-177	Effect of meteorological parameters on <i>Cupressaceae</i> pollen prevalence in southwestern Iberia	Ana Galveias
7	P.019	ID-182	Airborne fungal spore monitoring: between analyst proficiency testing	Carmen Galán
8	P.020	ID-164	Preliminary Findings of the Irish Pollen Monitoring Network	Emma Markey



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SYMPOSIUM ON
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NOV 2020
CÓRDOBA, SPAIN



No.	CODE	ID	TITLE	FIRST AUTHOR
9	P.021	ID-083	Urban real allergenic load on the atmosphere of Ourense NW Spain	Francisco Javier Rodríguez-Rajo
10	P.022	ID-209	Effect of temperatures on different adhesive sampling efficiency of Hirst-type traps	Sabine Füst
11	P.023	ID-152	Urban atmospheric levels of allergenic pollen: comparison of two samplers located in Salamanca (Middle West Spain)	Sergio Fuentes Antón



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**EUROPEAN
SYMPOSIUM ON
AEROBIOLOGY**

from **16** to **20**
NOV 2020
CÓRDOBA, SPAIN



POSTER SESSION 3

Indoor and Basic Aerobiology

November 18th, 2020 | 10.30 – 11.30 h (UCT +1)

Moderators: Matthias Werchan and Jose M. Maya-Manzano

No.	CODE	ID	TITLE	FIRST AUTHOR
1	P.024	ID-031	The Investigation of Particulate Matter and Microfungi in Public Indoor Environments	Ilona Keriene
2	P.025	ID-157	ALIX as a possible marker for pollen-released nanovesicles	Chiara Suanno
3	P.026	ID-128	Evolution of <i>Cladosporium</i> sp. and <i>Aspergillus/Penicillium</i> type spores in Jaén cathedral (Spain)	Luis Ruiz-Valenzuela
4	P.027	ID-130	Diversity and seasonality of fungal propagules in the museum of the Cathedral of Jaén (Spain)	Fátima Aguilera Padilla
5	P.028	ID-170	Does the pollen of <i>Ailanthus altissima</i> (Tree-of-heaven) need more attention in Central Europe?	Matthias Werchan
6	P.029	ID-154	Influence of meteorological parameters and air quality on <i>Alternaria</i> spore concentration	Alberto Rodríguez Fernández
7	P.030	ID-213	Removal of House Dust Mite allergens from homes using air purifiers	Jose M. Maya-Manzano
8	P.031	ID-035	Airborne Pollen Composition and Pollen Load during the Vegetation Season in Lithuania	Laura Šukiene



7th *Virtual Edition*
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SYMPOSIUM ON
AEROBIOLOGY**

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NOV 2020
CÓRDOBA, SPAIN



No.	CODE	ID	TITLE	FIRST AUTHOR
9	P.032	ID-037	Late exposure to grass pollen in September: The case of <i>Phragmites</i> in Burgenland	Lukas Dirr
10	P.033	ID-047	Application of quantitative TaqMan PCR to monitor airborne fungal spores with impact on crop performance and human health	Maria Doroteia Campos
11	P.034	ID-094	Air fungal contamination in hospital operating theatres and cleanrooms	Roberto Albertini
12	P.035	ID-104	<i>Alternaria</i> spores behaviour in the atmosphere of Salamanca (MW Spain) and Tulsa (Middle South USA) during 2014-2016 period.	Estefanía Sánchez Reyes



7th *Virtual Edition*
**EUROPEAN
SYMPOSIUM ON
AEROBIOLOGY**

from **16** to **20**
NOV 2020
CÓRDOBA, SPAIN



POSTER SESSION 4

Ragweed and Basic Aerobiology

November 18th, 2020 | 15.30 – 16.30 h (UCT +1)

Moderators: Elena Severova and Gilles Oliver

No.	CODE	ID	TITLE	FIRST AUTHOR
1	P.036	ID-012	Evolution of ragweed pollination in France	Gilles Oliver
2	P.037	ID-068	Ragweed Finder App – A useful citizen science approach to contain the spreading of ragweed in Austria	Johannes M. Bouchal
3	P.038	ID-011	IRS (International Ragweed Society), an international tool to help Ambrosia management	Michel Thibaudon
4	P.039	ID-142	Monitoring of Ambrosia pollen in Southern and Central Russia	Elena Severova
5	P.040	ID-156	Exposure to ragweed pollen in Slovenia	Andreja Kofol Seliger
6	P.041	ID-021	Extreme Pollen Episodes: criteria for typifying and effect of atmospheric conditions	Paloma Cariñanos
7	P.042	ID-056	Are Aerobiology and Anemophily two faces of the same reality?	Tiana Custodio
8	P.043	ID-095	Intradiurnal dynamics of grass pollen occurrence in Kraków, Poland	Stępańska Danuta
9	P.044	ID-054	Relationship between cereal harvest and concentration of grass pollens in Toledo area in the period from 1995 to 2019.	Jose Alejandro Lemus Calderón



7th *Virtual Edition*
**EUROPEAN
SYMPOSIUM ON
AEROBIOLOGY**

from **16 to 20**
NOV 2020
CÓRDOBA, SPAIN



POSTER SESSION 5

Health Impact

November 19th, 2020 | 10.30 – 11.30 h (UCT +1)

Moderators: Pia Viuf Ørby and Timo Hugg

No.	CODE	ID	TITLE	FIRST AUTHOR
1	P.045	ID-163	Pla a 1 allergen and Platanus pollen in the atmosphere of Porto	María Fernández-González
2	P.046	ID-036	Health Behaviour of Lithuania's Residents during the Airborne Pollen Season	Ingrida Šaulienė
3	P.047	ID-038	How to do a clinical trial? Recommendation from the aerobiological point of view	Lukas Dirr
4	P.048	ID-064	Chamber study of co-exposure to ozone and allergen.	Pia Ørby
5	P.049	ID-159	Early warning system application (APK) for patients with severe asthma	Alberto Rodríguez Fernández
6	P.050	ID-194	Is Pla a 1 overexpression a feature of polluted environments?	Ana Rodrigues Costa
7	P.051	ID-208	Allergenic effects of Air-Liquid-Interface exposures to natural whole pollen with or without diesel particles	Joana Candeiras
8	P.052	ID-087	Effect of the airborne <i>Betulaceae</i> pollen and Bet v1 content in the symptomatology of sensitized patients	Francisco Javier Rodríguez-Rajo



7th *Virtual Edition*
**EUROPEAN
SYMPOSIUM ON
AEROBIOLOGY**

from **16** to **20**
NOV 2020
CÓRDOBA, SPAIN



No.	CODE	ID	TITLE	FIRST AUTHOR
9	P.053	ID-131	Ole e 1 detection in three varieties of <i>Olea</i> pollen in different regions of Portugal	Helena Ribeiro
10	P.054	ID-168	Comparison of Poaceae pollen and Phl p 5 allergen concentrations in the bioaerosol of two monitoring stations in Bratislava (Slovakia)	Jana Ščevková
11	P.055	ID-150	Personal symptom forecasting vs allergy risk: longitudinal and cross-sectional approaches to predicting pollen allergy	Mikhail Sofiev
12	P.056	ID-114	Personal and regional exposure to birch pollen and the risk of allergic and asthmatic manifestations	Timo Hugg



7th Virtual Edition
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SYMPOSIUM ON
AEROBIOLOGY

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Nov 2020
CÓRDOBA, SPAIN



POSTER SESSION 6

Forecasting and Basic Aerobiology

November 19th, 2020 | 15.30 – 16.30 h (UCT +1)

Moderators: Cristina Periago and Nicolas Bruffaerts

No.	CODE	ID	TITLE	FIRST AUTHOR
1	P.057	ID-079	Influence of weather types and meteorological conditions on pollen concentration in NW Spain	Carlos del Blanco Alegre
2	P.058	ID-178	A hazel density distribution over Europe for numerical pollen modelling	Helfried Scheifinger
3	P.059	ID-175	Preliminary results from the Irish Fungal Monitoring Network, Fungal mOnitoring NeTwork ANd Algorithm (FONTANA)	Jerry Hourihane Clancy
4	P.060	ID-025	Below cloud scavenging of pollen during rainfall events (2012-2018) in NW Spain	Carlos del Blanco Alegre
5	P.061	ID-027	Variations in <i>Corylus</i> pollen exposure in Lombardy (Northern Italy)	Valentina Ceriotti
6	P.062	ID-207	Pollen spread in Mediterranean Basin	M.A. Brighetti
7	P.063	ID-113	Influence of extreme winter temperatures on the airborne pollen parameters in NE Iberian Peninsula.	Cristina Periago
8	P.064	ID-184	Trends of airborne fungal spore concentrations in Belgium: a multi-site analysis on almost four decades	Nicolas Bruffaerts



7th *Virtual Edition*
**EUROPEAN
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from **16** to **20**
NOV 2020
CÓRDOBA, SPAIN



No.	CODE	ID	TITLE	FIRST AUTHOR
9	P.065	ID-088	A methodological approach to estimate the relationship between pollen producing sources and their atmospheric content: The case of the chestnut tree in Castilla y León (Spain)	Delia Fernández-González
10	P.066	ID-062	Seasonal priming estimated by non-linear regression model	Pia Ørby
11	P.067	ID-141	Pollen production of Poaceae species in Central Russia	Elena Severova



7th *Virtual Edition*
**EUROPEAN
SYMPOSIUM ON
AEROBIOLOGY**

from **16 to 20**
NOV 2020
CÓRDOBA, SPAIN



POSTER SESSION 7

New Methods and Bioaerosols and Molecular Aerobiology

November 20th, 2020 | 10.30 – 11.30 h (UCT +1)

Moderators: Laura Šukiene and Susanne Jochner-Oette

No.	CODE	ID	TITLE	FIRST AUTHOR
1	P.068	ID-033	Fluorescence Peculiarities of Ozone-Exposed Pollen	Laura Šukiene
2	P.069	ID-133	Applying LiDAR technology in bioaerosol sensing over Athens, Greece	Ioanna Pyrri
3	P.070	ID-148	Biotic and abiotic effects on pollen production and allergenicity of birch and related health impacts: a European study	Susanne Jochner-Oette
4	P.071	ID-005	Comparison between airborne pollen concentrations collected with Hirst type traps using different sampling inlets	Gordan Mimic
5	P.072	ID-153	Defining pollen and spore counts using metabarcoding	Mary Hanson
6	P.073	ID-185	Pollution of the urban atmosphere by non-native allergenic oak pollen originating from parks and gardens	Maria Grundström
7	P.074	ID-212	Comparison of biological components concentrations in an aerosol sampled over Vasyugan marshes and over the Karakan forest	Aleksandr Safatov
8	P.075	ID-103	Detecting and measuring <i>Botrytis cinerea</i> spores using recombinant antibody binding fragments (Fabs) in air samples	Roy Kennedy



7th *Virtual Edition*
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SYMPOSIUM ON
AEROBIOLOGY**

from **16** to **20**
NOV 2020
CÓRDOBA, SPAIN



9	P.076	ID-111	Preliminary study on immunodetection of <i>Botrytis cinerea</i> germinative material recorded in a vineyard atmosphere	Estefanía González-Fernández
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