

Monday August 13th, 2018

09:00 - 11:00	Plenary Speakers	480 The Tertiary and Quaternary vegetation history of Ireland Pete Cowan							
		489 Palynology from the perspective of a pollination biologist Jane Stout							
		476 The evolution of grasses and grasslands Caroline Stromberg							
11:00 - 11:30	Refreshments								
11:30 - 11:50	Keynote Speakers	515 world full of amber Leyla Seyfullah	A						
11:50 - 12:10		516 the Antarctic	Expeditions to Benjamin Bomfleuer						
12:10 - 12:30		517 Maintaining the air that we breathe: Why we need to understand long-term fire-feedbacks to the Earth system in order to manage our future Claire Belcher							
12:30 - 1:30	Lunch								
Session Title	Special Session 1	Special Session 23	Special Session 12	Special Session 17	Special Session 32	Special Session 27			
1:30 - 1:50	25 Paleozoic Palynology of the Arabian Plate: a synopsis and historical perspective Said Al-Hajri	33 An experimental evaluation of the use of $\delta^{13}C$ as a proxy for paleoatmospheric CO2 Barry Lomax	117 Review of Angiosperm flowers and fruits from the classic Mohgaonkalan chert of Central India. Dadrath Kaggate	108 Late Cretaceous to Paleogene vegetation and terrestrial climate change of the Amundsen Sea Embayment, West Antarctica Ulrich Salzmann	434 A modern revision of the Upper Triassic flora from the Tatra Mts, Poland. Zuzanna Wawrzyniak	144 Late Glacial and Holocene vegetation history of south Balkan: a comparison between the new pollen archives of Lakes Ohrid and Prespa Styliani Kyrikou			
1:50 - 2:10	41 Cambrian and Ordovician acritarchs from Saudi Arabia Stewart Molyneux	50 Towards the development of a Holocene proxy for UV-B radiation using Pinus spp. pollen grains Alistair Seddon	446 Fruit, pollen and wood remains of Malvaceae from the Maastrichtian-Paleocene Deccan Intertrappean Beds of India Steven R. Manchester	264 Rapid floral change in diverse early Paleocene fossil flora from the San Juan Basin, New Mexico, USA Andrew Flynn	212 Succession in cycadophyte-dominated Jurassic plant community as a consequence of paleoenvironmental changes in the Canowice area, southern Poland. Maria Barbacka	174 Long-term disturbance dynamics of mountain spruce forests inferred from pollen records Petr Kuneš			
2:10 - 2:30	34 Ordovician cryptospores from Saudi Arabia as a record of early embryophyte evolution Paul Strother	195 Towards chemical identification of Quaternary pollen grains: Drivers of chemical variation in fresh and degraded Quercus spp. and Eucalyptus spp. Florian Muthreich	375 Fossil palm reading: a morphological survey of modern and fossil palm fruits, and recommendations for recognizing fossilized palm reproductive structures Kelly Matsunaga	262 The late Paleocene and early Eocene Arctic megafora of Ellesmere and Axel Heiberg islands, Nunavut, Canada. Christopher K. West	244 New data on Lower Jurassic plants from the Holy Cross Mountains (Central Poland) Grzegorz Pacyna	340 Towards a more detailed disturbance history in montane spruce forests: Integration of dendrochronological and palaeoecological records Nina Kusmanen			
2:30 - 2:50	44 Chitinozoan biostratigraphy in the Silurian of Saudi Arabia Anthony Butcher	228 An 1800-year Stable Carbon Isotope Chronology from Austrian Alps Marzena Klusek	142 Oldest fruit of family Bignoniaceae having winged seeds from Deccan intertrappean cherts of India. Vidya Kaggate	350 A multi proxy atmospheric CO2 reconstruction of the early Paleocene from the San Juan Basin, New Mexico, USA Joseph Milligan	185 Recognising the range of morphological variation in microspores produced by a single fossil plant species in dispersed assemblages: new observations from the Sleipner Formation (Middle Jurassic) of the North Sea. David Ballou	465 Towards an integrated understanding of montane spruce forest disturbance dynamics in central Europe Jennifer Clear			
2:50 - 3:20	Refreshments								
Session Title	Special Session 1	Special Session 23	Special Session 12	Special Session 17	Special Session 32	Special Session 35			
3:20 - 3:40	27 Silurian acritarchs and prasinophyte algae from the subsurface of Saudi Arabia Aïain Le Hérisse	233 Pollen eDNA metabarcoding from ice cores as a tool for reconstructing plant biodiversity dynamics: A case study from the largest and deepest southern Alps glacier: Adamello, Italy. Alexis Marchant	463 Using three-dimensional shape analysis of phytoliths to test the taxonomic affinities of grass fossils from the Late Cretaceous Lameta Formation, Central India Caroline Stromberg	234 Global vegetation and terrestrial climate of the super-warm Early Eocene Stephanie Strother	363 Dispersed gymnosperm cuticles from the Mukheiris Formation of Jordan – a glimpse into Anisian (Middle Triassic) phytodiversity at the northern margin of Gondwana Dimitris	173 Persistence of temperate trees during the Late Glacial period in the central- eastern Europe (Czechia and Slovakia). Eva Jamrichová			
3:40 - 4:00	20 SILURIAN dispersed spore assemblages from the Arabian Plate: A synthesis Charles Wellman	273 Using stable isotope ecology of historical Thuja (Cupressaceae) specimens as a tool to identify carbon sources in deep time Rebekah Stein	405 Re-investigation of conifer ovulate cones from the Maastrichtian-Danian Deccan intertrappean Beds of India Selena Smith	59 Oligocene climate signals and forcings in Eurasia revealed by plant macrofossil and modeling results Shufeng Li	502 A new record of Bennettitalean flower (Williamsonia) from the Lower Jurassic in southern China Yongdong Wang	341 Neolithic landscape and people in central Europe, unique perspective from paleobotanical evidence of two wooden well in Czech republic Libor Petr			
4:00 - 4:20	17 Devonian palynology of Saudi Arabia: review and synthesis Pierre Breuer	288 Chemical classification of grass pollen: a new tool for palynologists and archaeologists to study crop domestication Phillip Jardine	151 Palynoflora across Late Cretaceous-Early Paleogene in Deccan volcanic associated sediments of India Bandana Samant	266 The role of grasses in the East African vegetation across the Oligocene-Miocene boundary: new results and perspectives from plant silica (phytolith) analyses at Chilga and Mash Valley (Ethiopia). Alicia Novales	278 Late Triassic floral diversity of the Central Transantarctic Mountains: Re- investigating the fossil flora of "Alfie's Elbow". Brian Atkinson	352 Looking at the Byzantine Resilience using palaeoclimate proxies: pollen, geochemistry and biomarkers analyses from Lake Dojran (Greece, F.Y.R. of Macedonia) Marzia Masi			
4:20 - 4:40	18 Mississippian palynology of Saudi Arabia: review and synthesis Pierre Breuer	358 Geochemical and palynological analyses reveal the possible usage of pottery by ancient people of deltaic West Bengal, India Sharmila Bhattacharya	235 Palynoflora from Early Maastrichtian intertrappean lake sediments of Bagh valley of Madhya Pradesh, India: age implications Deepesh Kumar	319 Assessing Pliocene palaeoclimate variability with high-resolution pollen records from the Asian interior (Kunlun Pass and Qaidam Basin) Florian Schwarz	490 The Jurassic Soma Flora in the Outer Zone, Northeast Japan Hideo Takimoto	28 Agropastoral Activities in Lake Maharlou Basin (SW Iran), During The Achaemenid Persian Empire, With Introduction Of New Arboricultural Elements Sara Saeedi			
4:40 - 5:00	40 Palynology of Pennsylvanian to Permian successions in Saudi Arabia (Juwayf, Nuayyim and Khuff formations) Hani Boukhamsin	416 Palaeoecological reconstruction of high-mountain peat bog communities based on classical and molecular methods: a comparative synthesis. Sandra Garcés-Pastor	478 Fine-tuning the position of paleobotanical localities within the Deccan basalt stratigraphy of India relative to the K-Pg boundary Mike Widdowson	120 Quantitative reconstructions of palaeoclimate in Altai-Sayan mountain area (south Siberia, Russia) in Late Glacial and Holocene time based on pollen data from five sections of peat and lake sediments. Tatiana Blavkhabayeva	415 The palaeoecological implications of megaherbivore coprolites from the Upper Triassic of Poland. Zuzanna Wawrzyniak	207 Carpological analysis of the Santi Quattro Coronati pit (Rome, Italy) Claudia Morica			
5:00 - 6:00	Poster Session								
5:30 - 6:30		Agora Paleobotanica AGM							

Tuesday August 14th, 2018

Session Title	Special Session 22	Special Session 2	Special Session 7	Special Session 20	Special Session 13
09.00 - 09.20	330 Snapshots from the life and times of William G. Chaloner FRS – pioneering palaeobotanist and palynologist. Andrew C Scott and Margaret Collinson	320 Acritax: A new online taxonomic database of acritarchs Brian E. Pedder	21 The Power of Melissopalynology: Review and new Challenges Irina Delusina	232 Eoembryophytic evolution of plant life: new megafossil data and perspectives Borja Cascales-Molina	57 Historical biogeography of the kacsinaceae Miers during the PETM Cédric Del Rio
09.20 - 09.40	469 The family Chaloneriaceae 35 years on, and its influence on isoetalean lycopsid phylogeny. Patricia Gensel	209 Revision of the Cambrian-Ordovician acritarch genus <i>Vulcanisphaera</i> Deunff, 1961: Eoptychopsis in early Palaeozoic acritarchs? David Kroeck	491 The Online Pollen Catalogue Network (RCPol): subsidies to melissopalynology studies Cláudia Inês Silva	471 Assessing the role of [O <sub>2</sub> ] and [CO <sub>2</sub> ] in driving physiological convergence/divergence among higher plants: Implications for palaeo-physiology and macroevolutionary patterns. Phaedon Kyriakos	130 Fossil Fruit (Lagokaopos) from Tibet Reveals the Floristic Linkage of the Northern Hemisphere During Paleogene He Tang
09.40 - 10.00	152 Three aspects of the chaloneresque approach. Hugh Pearson	296 Peri-Gondwanan Ordovician acritarchs from the Ulanos Orientales Basin (Columbia, NW South America) Thomas Servais	153 Pollen development across the pollen lifecycle in <i>Ruppia maritima</i> (Alismatidae): Insight into the consequences of the ecological transition to hydrophyly. Mackenzie L. Taylor	495 Testing the impact of changing atmospheric composition on vascular plant reproduction Caroline Elliott-Kingston	452 Biogeographic patterns in the history of Trochodendrales Steven Manchester
10.00 - 10.20	172 Studies of fossil and modern spore wall sporopollenins using FTIR. Barry Lomax	160 New data on Upper Ordovician acritarch assemblages from the Kalpin area, northwest Tarim Basin, China Jun Li	167 Loss and re-gain of pollen apertures: steps towards omniaperturate condition in aquatic basal monocots (Alismatales) Laura Ruzic Elena Severova	116 Bridging the Gap Between Fossil Evidence and Theories in Angiosperm Systematics Xin Wang	366 Biogeographic History of Fagaceae (Oak Family) Thomas Derik
10.20 - 10.40	115 Experimentally generated charcoals: implications for recognition and interpretation of fossil and modern wildfire charcoal Margaret Collinson	76 Ultrastructural study confirms that, yes, <i>Moyeria</i> is a euglenoid. Wilson Taylor	329 The importance of tree pollen in supporting crop pollinators: Pollen preferences among the bee species visiting apple ( <i>Malus pumila</i> ) in New York Laura Ruzic	503 An inter-comparison study of three stomatal-proxy methods for CO <sub>2</sub> reconstruction applied to early Jurassic fossil Ginkgoales Ning Zhou	247 Analyses of the global macrofossil record of palms: environmental and paleoclimatic insights David Sutherland
10.40 - 11.10			Refreshments		
Session Title	Special Session 22	Special Session 2	Special Session 26	Special Session 20	Special Session 13
11.10 - 11.30	35 Cymatrobos, a new Paleozoic lycopsid from Australia investigated through a combination of old (thin-sections), less old (SEM), and new approaches (X-Ray Synchrotron microtomography) Rudolf Meese, Bernhard	106 The Early Devonian alluvial/marginal marine palynofacies from the Bukowa Góra Quarry (Holy Cross Mountains, Poland) Marcelina Kondas	141 Early Pleistocene vegetation and environmental history from Lake Ohrid (SE Europe) Konstantinos Panagiotopoulos	484 Roots, stems, leaves, and communities: a whole plant ecosystem perspective on Late Carboniferous aridification Joseph White	279 Biogeographic Origin of East Asia Flora Hang Sun
11.30 - 11.50	215 Palaeozoic horsetails – How do we assess their taxonomic diversity? Christopher Cleal	36 Palynology of the Middle Devonian in Northern Spain: effects of the Kačák Event on an endemic island biota Alexander Askew	134 Impacts of Climate on the Vegetation and Fire History during the Last Two Interglacial-Glacial Cycles at Lake Van, Turkey Nadine Pickarski	400 Paleobotanical record of a Jurassic volcanic island in the Proto-Ligurian Tethys Ocean (NE Iberian Peninsula). Artal Antón Santos	315 Endocarps of Parinari (Chrysobalanaceae) from the Miocene of Thailand Paul Greuter
11.50 - 12.10	353 A remarkable mass-assemblage of the lycopsid <i>Brasilodendron pedroanum</i> Chaloner et al. 1979 from the Rio Bonito Formation, lower Permian of the Paraná Basin, Rio Grande do Sul, Brazil Oscar Irujo	158 The Terrestrial Record of the End Devonian Mass Extinction Event John Marshall	67 Long-term ecosystem dynamics driven by climate oscillations and fire-regime changes during the last 18k yr cal BP in the Cantabrian region (La Molina peat bog, Puente Viego, Spain) Klaus Holten-Møller	127 Foliar adaptations of the Oligocene-Miocene <i>Rhus pyrrhae</i> Unger 1847. Palaeoclimatic implications Aixa Tosal	121 The Pliocene flora of Frankfurt/M (Germany) – novelties and palaeoenvironment Zuzko Kvaček
12.10 - 12.30	133 New insights into the late Mississippian flora from Kingswood Fife, Scotland. Andrew C Scott	48 Post-extinction recovery of terrestrial vegetation following the End Devonian Mass Extinction: integrated palynological and palaeobotanical evidence from the Tournaisian (Early Carboniferous) of the UK Emma D. Blackmer	216 Holocene-scale fire dynamics from spruce-beech temperate forests of central Europe Alice Moravcová	497 Trends in deep-time (Triassic-Jurassic) plant ecological functioning under elevated atmospheric carbon dioxide Wuu Kuang Soh	460 Biogeographic distribution: pattern and process in Rosaceae from the early Eocene Okanogan Highlands flora, British Columbia, Canada, and Washington, USA. Melanie DeFore
12.30 - 1.30			Lunch		
Session Title	Special Session 22	Special Session 2	Special Session 26	Special Session 10 (A)	Special Session 13
1.30 - 1.50	427 Naming of whole plants in palaeobotany – case study from Cretaceous Jiří Kvaček	237 New insight of the morphological variation in miospores with microreticulate-lobulate sculpture Dmitry A. Mamontov	251 Response of fire activity to Holocene rapid climate changes, inferred from high-resolution European charcoal records Gabriela Florescu	5 Seeing the trees for the woods: diversity vs. disparity in Mississippian lignophyte trees. Anne-Laure Decombeix	248 Miocene Vegetation and Topography of the Tınaz Basin (Yatağan-Muğla), Western Turkey Çiğdem Sanem Koç
1.50 - 2.10	241 The inevitable seed: A Cretaceous perspective Else Marie Friis	239 Correlation of Palynomorph Darkness Index (PDI) to other thermal maturation indices such as Vitrinite Reflectance (Ro) and Spore Colour Index (SCI) Geoff Clayton	438 Holocene fire history of the British Isles Claire Jones	123 Affinities and hydraulic properties of Late Devonian archaeopterids from Anti-Atlas, Morocco Mélanie Tavanti	390 Fossil <i>Cercis</i> L. (Leguminosae) from the Eocene of western North America and their phylogeographic and palaeoclimatic implications Hui Jia
2.10 - 2.30	30 Diversity and homologies of conyosperm seed-bearing structures from the Early Cretaceous of Mongolia and China. Peter Crane	322 Changes in spore morphology appearance with increasing maturity: a case study from Southwest Iran. Francesca Galasso	83 Regional, local and anthropogenic vegetation and climate changes in North-Western Russia during the Holocene Maria Nosova	203 ABIES: A database for softwood identification Bours Anis	243 Extracting biogeographic/ecological signal from papillate Cupressaceae (former Taxodiaceae) pollen – possibilities and limitations Johannes M. Bouchal
2.30 - 2.50	138 Frenelopsis, a Swiss-knife plant proxy of climate and terrestrial ecology during the Cretaceous Abel Barral	413 Biostratigraphy and depositional setting of Permian deposits in Ajabshir area (Central Iran Basin). Andrés Sorci	486 The value of comparing multiple sites in reconstructing landscape history: climate, vegetation and history from two lakes in the Rieti Basin, central Italy Irene Tunno	372 The early Miocene (Burdigalian) flora of Kimsi (Euboea) revisited: biogeography and palaeoecology Dimitrios Veltzeos	
2.50 - 3.20					
Session Title	Special Session 22	Special Session 2	Special Session 26	Special Session 10 (A)	Special Session 21
3.20 - 3.40	85 Potential and constraints of tree-ring research in late Paleozoic forest ecosystems Ludwig Luthardt	48 Palynological dating of the Karoo sedimentary rocks of the Moatize - Minjova Basin (N'Condé region) in Mozambique Paulo Fernandes	180 Alnus population decline and its causes at the end of the first millennium CE in Europe Helkki Seppä	474 The most complete fossil wood record of Sciadopitys, one of the oldest "living fossil" Zikun Jiang	71 Cryptogamic ground covers – models for early soil ecosystems? Paul Kenrick
3.40 - 4.00	92 Paleotraits and paleoproxies – the legacy of Bill Chaloner Jennifer McElwain	58 Early Pennsylvanian-Early Permian (Bashkirian-Asselium) miospore assemblages of the Czech part of the Intra-Sudetic Basin Jiří Bek	240 Socio-economic changes leave their fingerprint on a pollen diagram from Halkidiki (NC Greece) Sampson Panagiotidis	258 Carpological and leaf palaeodiversity from the Pleistocene Porto da Cruz sediments (Madeira Island, Portugal): preliminary results Marques Carlos A. Góis	89 Soils of the Proterozoic: the influence of early terrestrial microbial ecosystems Ria Mitchell
4.00 - 4.20	64 Stomatal frequency of <i>Quercus glauca</i> samples from three sources show the same negative response to pCO <sub>2</sub> : a potential proxy for palaeo-CO <sub>2</sub> concentrations Jin-Jin Hu	126 British Zechstein palynomorphs suggests a wetter Late Permian environment Martha Gibson	430 Climatic and land-use changes in the South Carpathians: Late Bronze Age alpine grazing and Subatlantic timberline shift Enikő Magyar	276 New insights into the Oligo fossil forests, Panamá Oris Rodríguez Reyes	196 Characterisation of early soils beneath a Middle Devonian forested ecosystem from New York State. Christopher Berry
4.20 - 4.40	8 Using plant gas-exchange principles to reconstruct CO <sub>2</sub> : exploration of a method and application to the end-Cretaceous and early Paleocene Dana Royer	14 Late Permian palynofloral assemblages from the Daptocephalus and Lyostrosaurus Assemblage Zones, Karoo Basin, South Africa: Taphonomic windows into climate oscillation Robert Coward	291 The landscape history of the Imperial harbour of Rome Laura Sadori	10 New results about Cainozoic fossil woods in Greece (Eastern Mediterranean). Dimitra Mantzouka	24 Rooting systems preserved in the Rhyolite chert Alexander Hetherington
4.40 - 5.00	137 Vegetation-fire feedbacks and their influence on palaeoatmospheric oxygen Claire Betcher		325 Pollen, seeds and charcoal as evidence of local environment and subsistence at the early medieval stronghold at Pohansko near Břeclav (Czech Republic) Nela Doláková	72 Novel Suite of Traits Reflecting Hemiparasitism in the Wood of Xerophytic Krameria lappacea: Preliminary Results Samantha Moody	259 Diversity and ecology of Mid Devonian forests Christopher Berry
5.00 - 5.20					124 Fungal diversity in early terrestrial ecosystems Christine Strullu-Derrien
5.20 - 5.40					202 Links between the early evolution of soils, global biogeochemical cycling, and climate Benjamin Mills
5.00 - 6.00			Poster Session		
5.30 - 6.30	International Organization of Palaeobotany (IOP) AGM	CIMP Business Meeting	Collegium Palynologicum Scandinavicum		

Wednesday August 15th, 2018

Session Title	Special Session 33	Special Session 11	Special Session 24	Special Session 14	Special Session 10(B)
09.00 - 09.20	45 Affinities of nematophytes and their roles in early terrestrial vegetation revisited. Dianne Edwards	299 PLANT assemblage and amber from the Coniacian–Santonian of VERNASSO, FRIULI-VENEZIA GIULIA, northeastern ITALY Bernard Gomez	23 Short- and long-term changes of plant diversity during the Paleogene greenhouse in Central Europe Olaf Lenz	49 Cenozoic floras of Yunnan, with an emphasis on their elements of the Northern Hemisphere Zhe-kun Zhou	220 Driftwood in fluvial red beds: implications for environment and taphonomic pathways of a Late Carboniferous upland vegetation Trümper Steffen
09.20 - 09.40	389 Cooksonia barrandei sp. nov. the oldest polysporangiate land plant Milan Libertin	150 Reconstructing habitat types and climate of the 'Baltic amber forest': Calicoid fungi and lichens Jouko Rikkinen	96 Reconstruction of the Paleocene climates of Central Europe using fossil leaves Laura Tilley	165 Cenozoic floras in Tibet: The window into biodiversity and environment in deep time Tao Su	373 Fungal activities in fossil wood Carla Harper
09.40 - 10.00	317 A Lycopsid Forest with New Type Rooting System from the Upper Devonian of South China Min Qin	505 Palaeogene lichens and their ecological adaptations Ulla Kaasalainen	157 The trouble with trees: looking at grassland as a conservation priority Angelica Feurdean	171 Southeastern Tibet: surface height, climate and biotic changes at the Eocene-Oligocene transition Robert Spicer	217 Silicified gymnospermous roots from the Changhsingian–Induan (?) in southern Bogda Mountains, northwestern China Mingli Wan
10.00 - 10.20	395 Reconstructing Cathaysian Cordaitales from the Permian of Shanxi (China) by the means of cuticular analysis Malte Backer	254 Reconstructing habitat types and climate of the 'Baltic amber forest': Conifers and other vascular plants Alexander R. Schmidt	166 Fossil leaves indicate that hot summers follow initial spring warming during climate change Margret Steinthorsdottir	113 Neogene vegetation in Europe: a valuable proxy for the early history of the Himalayan-Yunnan biodiversity hotspot? Lutz Kunzmann	19 Buried alive in situ: Life and Death of the Miocene Petrified Forest on Lesvos, Greece T. Gee
10.20 - 10.40	461 Revealing the intricacies of a Permian high latitude peat swamp forest Patricia Ryberg	313 Amber and the araucarian forests of New Zealand Leyla Seyfullah	349 Palaeoecological insights into ecological consequences of moorland 'improvement' and development of baselines for peatland restoration Ralph Fyfe	191 Oligocene Limnobiophyllum (Araceae) from central Tibet and its evolutionary and paleoenvironmental implications Shook Ling Low	378 Species and age estimate of fossil woods origin Merangin Regency, Jambi Andianto Andianto
10.40 - 11.10	Refreshments				
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11.10 - 11.30	346 A coal ball flora from the Hauptflöz Seam (Namurian C, lower Bashkirian, Pennsylvanian) of the Ruhr District, Germany Hans Kerp	368 Mid-Cretaceous Seed Plant Diversity in Burmese Amber. Shuo Wang	369 Bringing fossil wood into policy options: A case study in Indonesia Listya Mustika Dewi	359 Multiple palaeoecological proxies constrain the interplay between Tibetan Plateau growth, the proto-monsoons and floral dispersal during the early India-Asia collision Natacha Bédouin	186 MORPHYLL: a morphometric database for fossil leaves Anita Roth-Nebelsick
11.30 - 11.50	473 Anatomy, affinities, and evolutionary implications of new Early Carboniferous silicified stems of Sphenophyllum Anne-Laure Decombeix	435 Diversity and analysis of amber from the (Aptian) Crato Formation, north-east Brazil Emily Roberts	371 Using postglacial vegetation history to provide guidance on possible future rates of vegetation change Thomas Giesecke	100 Floristic exchange between India and Pan-Indochina prior to the late Oligocene Qijia Li	302 Non-pollen palynomorphs database: challenge and implementation Lyudmila Shumilovskikh
11.50 - 12.10	462 Earliest spermatophyte evolution: state of the art and new results. Cyrille Prestianni	377 A comparative palaeobotanical study of amber using IR-spectroscopy, with special attention for the Cretaceous of Myanmar Jippe Kreuning	445 How reliable is the dinocyst genus Svalbardella as a temperature proxy: implications for paleoclimatological studies of the late Paleogene Kasia Siwinska	370 Plant-Insect interactions during the latest Eocene to earliest Oligocene in southeastern Qinghai-Tibet Plateau Weiyudong Deng	312 STRADITIZE: An open-source program for digitizing pollen diagrams and other types of stratigraphic data Philipp S. Sommer
12.10 - 12.30	459 Glossopterids last gasp? A reinvestigation of a Late Permian permineralized flora from Antarctica Patricia Ryberg	508 AMBER-BEARING deposits of Eastern margin of the PRE-NORTH SEA epicontinental basin Barbara Slodkowska	504 Consistency in the relationship between field-measured stomatal conductance and theoretical maximum stomatal conductance across four biomes provides a new reference for palaeoproxies Michelle Murray	361 Phytogeographic patterns of eastern Himalayan Siwalik (Miocene to early Pleistocene) floras Mahasin Ali Khan	
12.30 - 1.30	Lunch				
1.30 - 18.00	Mid-Conference Excursion Botanic Gardens / Dublin / Wicklow				

Thursday August 16th, 2018

Session Title	Special Session 8	Special Session 18	Special Session 5	Special Session 3	Special Session 25	
09.00 - 09.20	268 The life and legacy of Thomas N. Taylor Gar W. Rothwell	181 The dynamics of an Emerald Planet – large-scale patterns in vegetation change through geological time Borja Cascales-Miñana	63 Responses of vegetation and plant diversity to the Younger Dryas climate oscillation in the Hengduan Mountains, Southwestern China Yi-Feng Yao	510 Major problems in Late Palaeozoic and Mesozoic palynology Ellen Stolle	55 Plant food resources and implications on the diet of Homo erectus in the Caucasus Angela Bruch	
09.20 - 09.40	46 New approaches in elucidating the anatomy of early land plants Dianne Edwards	439 Intra- and interspecific variation in leaf anatomy across climate gradients of extant Cupressaceae and implications for past environmental niches of extinct taxa Molly Ng	154 Stará Jímka a Late Pleistocene glacial lake (Czech Hercynicum, Central Europe). Climatic and vegetation changes based on pollen, paleozoology, and abiotic proxies. Helena Svitavská Svobodová	32 Carboniferous macrofossil biostratigraphy – a new tool for studying floristics and biodiversity Christopher J. Cleal	81 Vegetation change in Primorye (Far East of Russia) during the Paleogene - a study based on diversity of plant functional types Olesya Bondarenko	
09.40 - 10.00	164 Rest well within a microbial mat: Exceptional preservation of microorganisms in the Lower Devonian Rhynie and Windyfield cherts, Scotland Carla Harper	25 Using dispersed cuticles to evaluate canopy density variation in deep time: The loss of plant cover at the Cretaceous-Paleogene boundary (North Dakota, USA) Using dispersed cuticles to evaluate canopy density variation in deep time: The loss of plant cover at the Cretaceous-Paleogene boundary (North Dakota, USA)	380 Latetial-Holocene abrupt vegetation changes at Lago Trifoglietti in Calabria, Southern Italy: The setting of ecosystems in a refugial zone Sebastien Joannin	5 Early Permian (Asselian) palaeofloral transition from the equatorial Palaeotethys (Indonesia, Sumatra) Isabel Van Waveren	187 Palaeoclimate analysis of the flora of the latest Eocene Insect Limestone of the Isle of Wight, southern England Petra Angela Hayes	
10.00 - 10.20	37 How much carbon was stored in the early forests of the Middle Devonian? Brigitte Meyer-Berthaud	25 A High-Resolution Record of Leaf Mass per Area across the Cretaceous-Paleogene Boundary from the Denver Basin, Colorado Matthew Butrim	314 A high-resolution pollen profile and pollen analytical investigation of surface samples from the Aran Islands, western Ireland provide new insights into the interpretation of pollen data Michael O'Sullivan	238 A new radio-isotopically constrained palynozonation for the Permian Karoo Basin of South Africa Natasha Barbolini	318 Oligocene vegetation of Europe and western Asia - diversity change and continental patterns reflected by Plant Functional Types Torsten Utescher	
10.20 - 10.40	433 Woody plants from the Early Devonian of Canada Patricia Gensel	197 On the biological significance of pollen and spore tetrads Wolfram Michael Kuerschner	131 Sub-decadal resolution palynology of a disease mediated elm decline Fraser M	269 A review of the Gondwana Triassic megasporophyll Umkomasia Heidi Anderson-Holmes	132 Vegetation and Climate Signal of the Middle Miocene Plant Record in Europe assessed by the IPR Vegetation Analysis Johanna Kovar-Eder	
Refreshments						
Session Title	Special Session 8	Special Session 18	Special Session 5	Special Session 3	Special Session 25	
11.10 - 11.30	227 Anatomically preserved glossopterid seeds prior to the end-Permian extinction from northeastern Australia Stephen McCoughlin	139 Extinction, evolution and recovery of the Gondwanan flora through the Permian-Triassic biotic crisis in southern high palaeolatitudes, Australia Chris Mays	374 Secondary temperate forest successions revealed by high-resolution palynological analyses for the Neolithic period in the Lake Mondsee region, Austria Benjamin Dietze	80 Triassic palynostratigraphy of Tulong, southern Xizang (Tibet), China Jungang Peng	356 Are the climatic ranges of plant species impacted by atmospheric CO2? An attempt of quantification with a dynamic vegetation model Louis François	
11.30 - 11.50	412 Extinct diversity near the base of the angiosperm tree: Evidence from Cretaceous mesofossils Else Marie Friis	310 Permo-Carboniferous biodiversity and phytogeographic distribution of Sphenophytes in India Anju Saxena	440 Providing the palaeoenvironmental context to Bronze Age societal collapse in the eastern Mediterranean. Callian Hazell	298 Palynology and palynofacies associations of Late Triassic assemblages from the Mungaroo Formation in the Greater Gorgon Area, Northern Carnarvon Basin, Western Australia Heath Schofield	425 Exploring the neotropical diversity of Miocene Panama: morphology and X-ray computed tomography of extinct and extant Heliconia (Heliconiaceae, Zingiberales) seeds Achille Mbembe	
11.50 - 12.10	111 A new species of the freshwater fern Azolla from the Upper Cretaceous of Patagonia, Argentina. M. Alejandra Gandolfo	118 Diverse functional appendages in the early Permian Wuda Tuff Flora Weiming Zhou	383 Holocene forest-grassland dynamics and the expansion of the Araucaria forest in southern Brazil Daniela Piraqueibe Bermudez	336 Meaning and validity of the Thuringian concept in palynostratigraphy in the Iberian peninsula and Balearic Islands Manuel Juncal	482 Worldwide temperate forests of the Neogene: never more diverse? Eduardo Martinetto	
12.10 - 12.30	161 Fossils and seed cone morphology in the resolution of phylogenetic relationships among basal Cupressaceae s.l. Kelly C. Pfeiler	263 A mixed hygromorphic-to-xeromorphic flora from one of the most botanically rich localities in western equatorial Pangea, the Early Permian of Texas, USA Rebecca Koll	443 Evaluation of Latest Holocene vegetation and climate events in coastal sediments across Lagos: implication for futuristic planning Peter Adebopekun	481 Synthesis of the palynological content of the Lower Cretaceous continental deposits in France: stratigraphic implications France Polette	357 Simulating past and present distributions of Podocarpus species in mountain areas of Africa and South America with the CARAB dynamic vegetation model. Alexandra-Jane Henrot	
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1.50 - 2.10	15 Carboniferous wildfire revisited. Andrew C. Scott	454 Detailed insights into the end-Triassic biotic crisis with respect to its impact on palynofloral Assemblages Julia Graveneyck	418 Ecological impacts of the Industrial Revolution in a lowland raised peatbog near Manchester, NW England. Sanra Garcia-Pastor	367 Ginkgophyte seeds and ovulate structures from the Middle Oxfordian stage of Kutch, India Subir Bera	303 Interrelationships between fossil leaf anatomy, leaf carbon economy and leaf temperature: Potential for palaeo-climate and palaeo-ecology analysis Wilfried Konrad	
2.10 - 2.30	403 Conservation Paleobotany: putting our dead to work for the living Melanie DeVore	52 Palynofloral and ecosystem variations across the Triassic-Jurassic transition in the Sichuan Basin, China Liqin Li	255 Using annual resolution pollen analysis to synchronize varve and tree ring records. Martin Theuerkauf	408 Palynological data on the Jurassic-Cretaceous transition of the western sector of the Cameroos Basin (Terrazas section, N Iberian Peninsula) Iván Rodríguez-Barrero	205 Early Pleistocene climate and regional environments in Baza Basin, Southern Spain Yul Altolaguirre	
2.30 - 2.50	163 Transformative Paleobotany: Papers to Commemorate the Life and Legacy of Thomas N. Taylor – Book presentation Michael Krings	198 Palynological evidence of the Carnian Pluvial Episode (CPE) in the western Tethys from marine successions in the Transdanubian Range (TR), western Hungary Viktória Baranyi	297 All you need is pollen – insights on cryopalynology Daniela Festi		382 Simulating last glacial and postglacial distributions of African tropical trees with a dynamic vegetation model Marie Dury	
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3.20 - 3.40	93 Angiosperm wood evolution revisited. Changes in functional traits through time. Elisabeth Wheeler	401 The extinct seed fern Lepidopteris ottomus as a proxy for palaeo-pCO2: progress and new insights Miriam Andrea Słodownik	102 Relative pollen productivity estimates and quantitative pollen-based reconstruction of plant cover in temperate China Furong Li	265 The Fossil Atmospheres Experiment: Improving estimates of deep-time atmospheric CO2 concentrations from Ginkgo leaves Richard Barclay	170 Microseasons in the Anthropocene Jo Dacombe	450 A new clue for the origin of conifers from the Beeman Formation (Kasimovian, New Mexico) Cindy Looy
3.40 - 4.00	114 How many times did wood splinter? Closing in on the origins of secondary growth in euphyllophytes Kelly C. Pfeiler	210 Vegetation dynamics in the Eemian lakeland in the Garwolin Plain (Central Poland): a habitat approach Irena Pidek	147 Quantifying past arboreal cover based on modern and fossil pollen data: A statistical approach Nils Broothaerts	242 Assessing Ginkgo leaf traits as a climate proxy for the fossil record Karen Bacon	84 Bringing art and science together: visual thinking for a more understandable palaeoscience. Graziela Gil-Romera	31 A whole plant species Paratinga sp. nov. and its implication on the systematics of Noeggerthales Jun Wang
4.00 - 4.20	245 Cretaceous angiosperm trees are common in mid-low latitudes of North America Garland Upchurch	337 Patterns of modern pollen and plant diversity across northern Europe Trilin Reitalu	175 Pollen-based reconstruction of landscape openness in mountain regions: evaluation of the Landscape Reconstruction Algorithm at the Vicdessos valley, French Pyrenees Laurent Marcoux	271 Revisiting Early Permian CO2 via Improved Input Parameters and Models. Jon Richey	155 Interdisciplinary Art as a Tool to Interpret Particular Features in the Landscape Melanie Rose	343 New insights into a peculiar mixed flora from the Upper Permian of Jordan Patrick Blumenkemper
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5.00 - 5.20			6 Elemental and Palynological analysis of honey from Azad Jammu and Kashmir Pakistan Mehwish Jamil	98 Improving the use of molecular fossils to identify floristic components in palaeoenvironments David Taylor	512 Burnt Area exploring the effects and ecology of fire through art-science fusion Charlotte McDonald	334 Palynology of the Permian-Triassic boundary in the Norwegian Arctic: palaeoclimatic and palaeoecological implications Niall William Paterson
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09.20 - 09.40	214 Mesozoic fern ontogeny in action: leaf growth pattern of <i>Weichselia reticulata</i> Candela Blanco-Moreno	189 Combining presence with the past – an attempt of using modern non-pollen palynomorph surface samples in the palaeorecords - an example from Polish raised bogs Monika Karolowska-Kobuszek	496 How do patterns of subsistence, non-subsistence production and palaeodemographic change relate to regional vegetation cover in Britain and Ireland? Ralph Fyfe	402 Benefits of applying X-ray micro-computed tomography to paleobotanical studies Selena Smith		51 The Carnian humid episode - a moment of major origination for plants Evelyn Kustatscher
09.40 - 10.00	407 Early Cretaceous anatomically-preserved Marsilaceae from California (USA) and the evolution of Sporoecarp morphology Shayda J. Abidi	420 Fungi fragments in deep sea quaternary sediment on the Amazon Fan River, Amazon Basin, Brazil Nelka Cardoso	54 GIS and PCA reconstruction of late Holocene vegetation of the Lagos Coastal Environment Mayowa Fasona	437 The earliest wood documented by synchrotron analyses Christine Strullu-Derrien		252 Two in one! Reconstructing the seed-fern <i>Lepidopteris</i> and restoring Prof. Britta Lundblad's legacy - a holistic approach from museum archives Vivi Valda
10.00 - 10.20	323 New findings of the middle Albian angiosperms in Primorye, Russia Lina Golovneva	397 Insights into prehistoric human impact around Lake Attersee, Austria, by means of non-pollen palynomorphs Marie-Claire Ries	316 Mediterranean Vegetation change, Landscape dynamics and Human Population trends through the Holocene Ralph Fyfe	257 Hydraulic conductivity and constraints among Paleozoic plants Jonathan Wilson	456 A SEM and TEM study of two fossil Malvaceae from northern South America provides new insights into past forest composition Carina Hoorn	392 Plant relictualism in the Polar Regions of the Mesozoic–Paleogene greenhouse world Benjamin Bomflour
10.20 - 10.40	409 Palaeovegetation and palaeoenvironment of the Late Cretaceous of Central Europe Jiri Kvacek	301 Non-pollen palynomorphs (NPPs) from alder carr surface samples (NE Germany): A tool for reconstructing past site conditions – Anja Prager	453 Utilization of mountainous areas in the Iron Age – the potential of land-cover reconstructions Kari Loe Hjelte	458 Refining phytolith analysis in deep-time paleoecology through modern analogue studies Camilla Crifo	86 LM vs. SEM based analyses of the early Miocene Saldanha Bay palynoflora, Western Cape, South Africa Fridger Grinsson	230 Ecosystem changes during the Early Jurassic Toarcian global warming episode Sam Slater
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Session Title	Special Session 31	Special Session 28	Special Session 6(B)	Special Session 9(B)	Special Session 4	Special Session 16(B)
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11.50 - 12.10	277 Diversification of crown group <i>Araucaria</i> : A seed cone from the mid-Cretaceous (Campanian) of Vancouver Island, British Columbia, Canada Ruth Stockey	61 Using Non Pollen Palynomorphs to explore fire and vegetation dynamics and the impact of Mesolithic tribes in The Peak District, U.K. Karen Halsall	53 Herbaceous plants and their pollen signal; which rare pollen types can we interpret and over what source areas? Helen Shaw	159 Testing the applicability of leaf physiognomic proxies for climate on equatorial African floras Aly Baumgartner	119 Comparative morphological analysis of <i>Ceiba</i> Mill. (Bombacoideae, Malvaceae) pollen through FESEM, CLSM and LM: a sacred plant of Maya (Mesamerican) civilization Swati Tripathi	13 Origination of Nuphar and Nymphaeaceae clade based on leaf architectural characters of a middle Eocene water lily from Messel near Frankfurt, Germany Carole T. Gee
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1.30 - 2.00	Closing Remarks					