

Thursday, 23 August 14:50-17:20 Plenary Session

Time	Room: 5534
14:50-15:20	[PS1 (440)] A History of the Palynological Society of Japan: Japanese Pollen & Spore Research from 1965 to 2012 Norio Sahashi
15:20-15:50	[PS2 (372)] Like Japan Archipelago, Japanese paleobotany in a Hot Spot Harufumi Nishida
16:20-17:20	[PS3 (560)] Practical palynology, broad promises and limitations Wei-Ming Wang

Friday, 24 August 10:00-12:10 Plenary Session

Time	Room: 5534
10:00-11:00	[PS4 (515)] How ancient ecosystems became sustainable Thomas N. Taylor
11:10-12:10	[PS5 (142)] Recent changing land use and allergies in Europe Carmen Galán

Friday, 24 August [PM2] 14:30-15:50

Symposium & General Sessions (Oral)

Time	Room: 5233 [SS28] Recent methodology for pollen dispersal forecast chairs: Kyu Rang Kim Hidetoyo Teranishi	Room: 5234 [SS08] Climatically-forced vegetation changes short-termed (a NECLIME symposium) chair: Andrea K. Kern	Room: 5235 [SS01] Palynological electronic resources and methods of palynological data processing and summarization chair: Olga Gavrilova	Room: 5333 [SS36] Continents before vascular plants chairs: Dianne Edwards Jennifer Morris	Room: 5334 [GS02] Mesozoic palynology and botany chair: Shusheng Hu	Room: 5335 [SS04] Tropical coastal environments: Drivers and consequences of ecological change in the late Quaternary chairs: Ulrike Proske Hermann Behling	Time
14:30-14:50	[SS28-O01 (146)] A model to account for variations in holm-oak (<i>Quercus ilex</i> subsp. <i>ballota</i>) acorn production in southern Spain Carmen Galán	[SS08-O01 (195)] [Keynote] Short-termed vegetation dynamics in the tropics: climate-forced and system-driven Henry Hooghiemstra	[SS01-O01 (50)] Online database as a tool for publication of pollen images and morphological data Dmitriy A. Britski	[SS36-O01 (567)] [Keynote] Understanding the early terrestrial palynological record: decay experiments and their taphonomic implications Charles Wellman		[SS04-O01 (23)] Holocene coastal ecosystem dynamics and sea-level changes in northern Brazil Hermann Behling	14:30-14:50
14:50-15:10	[SS28-O02 (521)] Significance of the pollen counts on pollinosis symptoms measured by an automatic pollen monitor (KP-1500) Hidetoyo Teranishi		[SS01-O02 (57)] [Keynote] PalDat - the bumpy road from microscope to database Ralf Buchner			[SS04-O02 (459)] Plant and animal remains analysis of mangrove sediments in identifying the change of environment during holocene in Sundarbans, South Bengal Basin, India Prasanta Kumar Sen	14:50-15:10
15:10-15:30	[SS28-O03 (276)] Eolian pollen transport towards Sable Island, Nova Scotia, Canada Elisabeth Levac	[SS08-O02 (598)] The vegetation change and fire record in the past 4000 years in Far East of Russia ShaoHua Yu		[SS36-O02 (516)] Diversity in enigmatic Cambrian cryptospores: phylogenetic divergence or paleofloristic differentiation? Wilson A. Taylor	[GS02-O01 (355)] Middle Jurassic-Early Cretaceous palynomorphs from the Dinosaur members of the Tendaguru Formation, southern coastal Tanzania Emma Msaky	[SS04-O03 (353)] Environmental impacts of mid-20th Century human depopulation of island landscapes: A case study from the Gulf of Carpentaria, northern Australia Patrick Moss	15:10-15:30
15:30-15:50	[SS28-O04 (506)] Pollen dispersion 3-month forecast of Japanese cedar and cypress using JMA's seasonal forecast Motoo Suzuki	[SS08-O03 (337)] Short-term landscape and climatic oscillation in the Holocene of Southern Primorye, Russian Far East Yury Mikishin	[SS01-O03 (150)] The digital conversion of palynological iconotheca Olga A. Gavrilova	[SS36-O03 (526)] Chemostratigraphy, depositional environments and the pre-tracheophyte fossil record at the continental - marine transition Alexandru M.F. Tomescu	[GS02-O02 (403)] Cretaceous forest composition and productivity inferred from a global fossil wood database Emiliano Peralta-Medina	[SS04-O04 (416)] Holocene mangrove history reflecting coastal evolution in Northern Australia Ulrike Proske	15:30-15:50

Friday, 24 August [PM3] 16:20-17:40

Symposium & General Sessions (Oral)

Time	Room: 5233 [SS28] Recent methodology for pollen dispersal forecast chair: Hidetoyo Teranishi	Room: 5234 [SS08] Climatically-forced vegetation changes short-termed (a NECLIME symposium) chair: Torsten Utescher	Room: 5235 [SS01] Palynological electronic resources and methods of palynological data processing and summarization chair: Dmitriy Britski	Room: 5333 [SS36] Continents before vascular plants chair: Charles Wellman	Room: 5334 [GS02] Mesozoic palynology and botany chair: Hiroshi Kurita	Room: 5336 [SS32] Evolutionary novelties in Land Plants and developmental mechanisms behind chair: Harufumi Nishida	Time
16:20-16:40	[SS28-O05 (387)] Pollen simulations in a coastal urban area of Ulsan, Korea: preliminary results using WRF-CMAQ model In-Bo Oh	[SS08-O04 (241)] Cyclic vegetation changes during the Mid-Pleistocene climate transition around Osaka Bay, southwest Japan Ikuko Kitaba	[SS01-O04 (162)] Current status of the Neotoma Paleoecology Database Eric C. Grimm	[SS36-O04 (113)] [Keynote] Lang's nematophytes revisited Dianne Edwards	[GS02-O03 (131)] Cold polar winters in the Cretaceous greenhouse world Jane Francis	[SS32-O01 (373)] Insight in land plant evolution from comparative genomics and developmental genetics Tomoaki Nishiyama	16:20-16:40
16:40-17:00		[SS08-O05 (235)] Can vegetation changes be recorded on a decadal to centennial scale in the Late Miocene? Andrea K. Kern	[SS01-O05 (149)] Confocal laser scanning microscope (CLSM) for identification of pollen grains: new possibilities Olga A. Gavrilova		[GS02-O04 (455)] Dinoflagellate stratigraphy around the Cenomanian/Turonian boundary in New Zealand Poul Schioler	[SS32-O02 (584)] Evolution of angiospermy through regulation of cytokinin Toshihiro Yamada	16:40-17:00
17:00-17:20		[SS08-O06] [General discussion]		[SS36-O05 (615)] Cryptospores and the algal plant transition Paul K. Strother	[GS02-O05 (327)] An analysis of palynological data from petroliferous basins of India in developing high resolution biostratigraphy with recent significant finds from frontier areas as applied to petroleum industry Naresh Chandra Mehrotra	[SS32-O03 (79)] New insights on the phylogeny of Paleozoic ferns and implication on foliar organ evolution Adèle Corvez	17:00-17:20
17:20-17:40				[SS36-O06 (349)] Dispersed cryptospores reunited with their parent plants: clues from the Lower Devonian on pre-vascular vegetation Jennifer L. Morris		[SS32-O04 (171)] Merge of EvoDevo and paleobotany to infer the common ancestor of land plants and evolutionary mechanisms of extended diploid generation and branching in land plants Mitsuyasu Hasebe	17:20-17:40

Saturday, 25 August [AM1] 9:00-10:20 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS43] New Trends of the Diagnosis and Therapy of Pollinosis (in Japanese) chairs: Toru Imai Morio Sudo	Room: 5234 [SS27] Recent airborne allergenic pollen and spore research: phenological trends in different locations chairs: Norio Sahashi Hidetoyo Teranishi Teiji Kondo Carmen Galán	Room: 5235 [SS07] Quantitative reconstructions of past vegetation/land cover at local to continental spatial scales using pollen records—potentials and limits chair: Marie-José Gaillard	Room: 5333 [SS39] Precambrian to Palaeozoic Palynology: the state of the art (CIMP-sponsored Symposium) chair: Charles Wellman	Room: 5334 [GS02] Mesozoic palynology and botany chair: Toshihiro Yamada	Room: 5335 [SS16] Holocene Palynology and Tropical Palaeoecology chairs: Navnith K.P. Kumaran Ruta Limaye B. Maria Lúcia Absy	Room: 5336 [SS25] Late Cenozoic to modern marine palynology of the circum-Pacific Ocean chair: Vera Pospelova	Time
9:00-9:20	[SS43-O01 (175)] Development of an artificial allergen exposure chamber (OHIO Chamber) and its current state in Japan Kazuhiro Hashiguchi	[SS27-O01 (59)] [Keynote] The HIALINE project: allergen release from pollen across Europe Carmen Galán	[SS07-O01] [Introduction] Marie-José Gaillard «5min» [SS07-O02 (138)] [Keynote] A pseudo-biomisation approach to anthropogenic land cover change Ralph M. Fyfe «35min»	[SS39-O01 (463)] [Keynote] The incomplete story of the Palaeozoic phytoplankton Thomas Servais		[SS16-O01 (35)] Holocene palaeoecology of mountain rainforests in Central Sulawesi (Indonesia) Siria Biagioni	[SS25-O01 (603)] [Keynote] Late Cenozoic Dinoflagellate cysts and paleoproductivity from the eastern equatorial Pacific Javier Helenes	9:00-9:20
9:20-9:40	[SS43-O02 (442)] Induction of oral tolerance by transgenic rice accumulating Japanese cedar pollen allergens in Japanese monkeys Saburo Saito				[GS02-O06 (328)] Floristic reconstruction of two Lower Cretaceous sections from Peru during the period of early angiosperm diversification and their climatic implications Paula Mejia-Velasquez	[SS16-O02 (284)] Changing scenario of mangroves in response to climate and sea level changes in Southwestern India since last 10 k years Ruta B. Limaye		9:20-9:40
9:40-10:00	[SS43-O03 (318)] A comparison of the ARIA and Japanese guidelines for the management of Japanese cedar pollinosis Atsushi Matsubara	[SS27-O02 (404)] Identification and quantification of allergenic pollen from Khairpu: Sindh -Pakistan Anjum Perveen	[SS07-O03 (430)] (Cancelled) Reconstruction of historical land cover change for climate modeling Christian H. Reick	[SS39-O02 (280)] Acritarch biostratigraphy of the Lower-Middle Ordovician in South China Jun Li	[GS02-O07 (84)] New discoveries of Late Cretaceous floras from Northern Patagonia, Argentina N. Rubén Cúneo	[SS16-O03 (308)] Key to mangrove pollen and spores of southern China: an aid to tropical palynological and paleoecological interpretation of Quaternary deposits in the South China Sea Limi Mao	[SS25-O02 (260)] Responses of dinoflagellate cyst assemblages to occasional inflows of warm-water current into the Japan Sea during Late Pliocene Hiroshi Kurita	9:40-10:00
10:00-10:20	[SS43-O04 (73)] New trends on strategy of pollinosis in Korea Kee-Ryong Choi	[SS27-O03 (240)] Monitoring allergenic pollen in Japan—Comparison of Durham's and Burkard sampling Reiko Kishikawa	[SS07-O04 (228)] From forest to farmland and moraine to meadow: Integrated modeling of Holocene land cover change Basil A. S. Davis	[SS39-O03 (448)] Palynostratigraphy of Ordovician-Silurian transition in Southeastern Anatolia, Turkey Recep Hayrettin Sancay	[GS02-O08 (202)] A Turonian flower of the Ericaceae from the Raritan Formation of New Jersey, USA Shusheng Hu	[SS16-O04 (28)] Late Holocene vegetational and climatic changes as inferred from radiocarbon dates and palynodata of older alluvial sediments on the south bank of the Brahmaputra flood plain, Northeast India Swati Dixit	[SS25-O03 (413)] Marine response to warm MIS11, east Tasman Sea, New Zealand Joseph G. Prebble	10:00-10:20

Saturday, 25 August [AM2] 10:50-12:10 Symposium & General Sessions (Oral)

Time	Room: 5234 [SS27] Recent airborne allergenic pollen and spore research: phenological trends in different locations chairs: Norio Sahashi Hidetoyo Teranishi	Room: 5235 [SS07] Quantitative reconstructions of past vegetation/land cover at local to continental spatial scales using pollen records—potentials and limits chair: Marie-José Gaillard	Room: 5236 [SS06] "Into the Icehouse" - climate and vegetation change at the end of the Pliocene (a joint ROCEEH and NECLIME symposium) chair: Torsten Utescher	Room: 5333 [SS39] Precambrian to Palaeozoic Palynology: the state of the art (CIMP-sponsored Symposium) chair: Charles Wellman	Room: 5334 [SS21] Paleofloristic and paleoenvironmental changes in Asia throughout the Mesozoic : palynological and megafossil evidence chairs: Harufumi Nishida Marc Philippe Kazuo Terada Julien Legrand	Room: 5335 [SS16] Holocene Palynology and Tropical Palaeoecology chairs: Navnith K.P. Kumaran Ruta Limaye B. Maria Lúcia Absy	Room: 5336 [SS25] Late Cenozoic to modern marine palynology of the circum-Pacific Ocean chair: Kenneth Neil Mertens	Time
10:50-11:10	[SS27-O04 (248)] Tree breeding coping with Japanese cedar pollinosis Teiji Kondo	[SS07-O05 (225)] Regional changes in Estonian vegetation during the Holocene based on the REVEALS reconstruction approach Mihkel Kangur	[SS06-O01 (220)] [Keynote] Late Pliocene vegetation and climate changes from the western Mediterranean area: the Camp dels Ninots maar record Gonzalo Jiménez-Moreno	[SS39-O04 (307)] Palynostratigraphy of the Frasnian-Famennian boundary deposits in the Lower Volga region, Russia Valentina Mantsurova	[SS21-O01 (596)] Outstanding diversity of conifer remains in the Late Permian marine Talung Formation, South China Jianxin Yu	[SS16-O05 (2)] Palynological records and environmental changes during the Holocene in the Amazon basin, Brazil Maria Lúcia Absy	[SS25-O04 (85)] Pollen deposition in the northern South China Sea: present and the last glacial maximum Lu Dai	10:50-11:10
11:10-11:30	[SS27-O05 (364)] An environmental research study with a Burkard sampler in the area hit by the Great East- Japan Earthquake Hiroyuki Namba	[SS07-O06 (326)] Quantitative reconstructions of past vegetation cover; development of the cultural landscape by the Hardangerfjord of western Norway Ingvild Kristine Mehl		[SS39-O05 (173)] Palynology of the Upper Palaeozoic strata, southeastern Nodeh, northeastern Iran Hossein Hashemi	[SS21-O02 (444)] Plant microfossils from the Upper Triassic of the Central Iran Basin, east-central Iran Fereshteh Sajjadi	[SS16-O06 (32)] Late Glacial - Holocene vegetation and climate dynamics in southern Siberia, Russia E.V. Bezrukova	[SS25-O05 (438)] High-resolution Southern Hemisphere palynological records from interglacial stages 5e and 11 from a marine sediment core adjacent to Westland, New Zealand Matthew Ryan	11:10-11:30
11:30-11:50	[SS27-O06 (121)] "Disaster Cough" caused by the mine dust after tsunami attack: Field research in Ishinomaki by Okayama Prefectural Medical Association Tsutomu Etani	[SS07-O07 (572)] Developing the data and models needed for Bayesian-based inferences of late-Holocene variations in forest composition and density in the northeastern US John W. Williams	[SS06-O02 (540)] A marine palynological study from off north-western Africa as a tool for land-sea correlation in the Late Pliocene Francesca Vallé	[SS39-O06 (402)] Pennsylvanian (mid-Bolsovian-Cantabrian; Moscovian) vegetation change in the Bristol Coalfield, UK Janine L. Pendleton	[SS21-O03 (519)] Late Triassic—Early Cretaceous coniferous woods in Japan: revisions of their geological horizons and associated nomenclatural problems Kazuo Terada	[SS16-O07 (89)] Palaeo-palynology of late quaternary peat deposit from Lower Bengal Basin, India: A palaeoecological approach Sauren Das	[SS25-O06 (314)] Interglacial conditions during mid- to late Pleistocene in the NE and SW Pacific Ocean Fabienne Marret	11:30-11:50
11:50-12:10	[SS27-O07 (441)] Unusual scattering of cedar pollen by the continual earthquakes occurred in the Tohoku district Japan Norio Sahashi	[SS07-O08 (289)] Pollen records for the validation of vegetation-climate feedbacks Guo Liu	[SS06-O03 (54)] Plio-Pleistocene vegetation response on orbitally forced climatic cycles in Southern Europe Angela A. Bruch	[SS39-O07 (288)] The Late Palaeozoic palyno-biostratigraphy in Northern Ordos Basin and its palaeogeographical significance Feng Liu	[SS21-O04 (512)] Newly discovered Jurassic plants from Japan and their contribution to a better understanding of the paleoenvironment, from a morphological approach Hideo Takimoto	[SS16-O08 (394)] Sedimentological, palynological and stable isotope evidences of palaeoclimate and sea level records in the Holocene sedimentary archives of Central Kerala, SW India D. Padmalal	[SS25-O07 (42)] The use of dinoflagellate cyst assemblages for quantitative reconstructions of sea-surface conditions in the North Pacific Sophie Bonnet	11:50-12:10

**Saturday, 25 August 12:20-13:30
Luncheon Seminar**

Time	Room: 5534 [LS1] Pollen sensitization among rhinitis patients in Inner Mongolia, China
12:20-13:30	[LS1 (70)] Pollen sensitization among rhinitis patients in Inner Mongolia, China Lei Cheng

**Saturday, 25 August 14:30-17:40
Symposium open to the public**

Time	Room: 5534 [OP1] Recent progress of paleoethnobotanical studies on origins of agriculture in East Asia (in Japanese) chairs: Hiroki Obata, Hiroo Nasu
14:30-14:50	[OP1-01 (366)] Origin and dispersal of rice and millet cultivation in China Hiroo Nasu
14:50-15:10	[OP1-02 (266)] Prehistoric management of indigenous plant resources and emergence of rice agriculture in prehistoric Korea Gyoung-Ah Lee
15:10-15:30	
15:30-15:50	[OP1-03 (380)] Maize weevils in Jomon did not infest rice -when was rice introduced into Japan?- Hiroki Obata
	Break
16:20-16:40	[OP1-04 (452)] Legume domestication in prehistoric Japan Yuka Sasaki
16:40-17:00	[OP1-05 (511)] Beginning of food production on the Islands of Okinawa Hiroto Takamiya
17:00-17:20	[OP1-06 (614)] The dynamics of agriculture in the Far East of Russia according to archeobotanical data Hiroki Obata
17:20-17:40	[OP1-07] [Discussion or questions] all members

**Saturday, 25 August [PM1] 13:30-14:30
Symposium & General Sessions (Poster)**

Room: 6302 [SS01][SS02] [SS06] [SS07][SS15]		Room: 6309 [SS16][SS21][SS25]	
[SS01-P01 (51)] Applying principal component analysis to the morphological data on tribe Tanacetinae (Asteraceae) pollen Britski, Dmitriy	[SS07-P05 (370)] Reconstruction of land-use change within the catchment area of Lake Vomb in southern Sweden using the REVEALS model: potential for the study of past nutrient load from land to sea Ning, Wenxin	[SS16-P01 (423)] Palynological behaviour of teak (<i>Tectona grandis</i> Linn. F.) and sal (<i>Shorea robusta</i> Geartn. F.): An overview Quamar, Md. Firoze	[SS21-P05 (604)] Petrification and mineralization of ancient trees: Appreciation of arts of fossil woods Zhang, Haiwang
[SS01-P02 (56)] PalDat - milestones and plans for the future Buchner, Ralf	[SS07-P06 (351)] Comparison of proxy reconstructions and model simulations of Arctic treeline dynamics across Fennoscandia and European Russia Morris, Jesse	[SS16-P02 (265)] Environmental change and anthropogenic activity from 2.6 kyr BP, evidenced by the pollen and charcoal record of Li-yu Tan, central Taiwan Lee, Chengyi Sep	[SS25-P01 (545)] Late Miocene - Early Pliocene productivity, temperature and upwelling in the Eastern Equatorial Pacific Veenstra, Tjerk J. T.
[SS02-P01 (205)] Pollen grains characteristics over the State of Kuwait from October 2009 to August 2011 Ibrahim, Mohamed Ismail	[SS07-P07 (568)] Tracing source areas of marine pollen in South China Sea Weng, Chengyu	[SS16-P03 (535)] Holocene palynology in the Choshi area, Central Japan Uchiyama, Takashi	[SS25-P02 (544)] Cenozoic organic-walled dinoflagellate cysts from the Central Pacific Ocean (IODP Expeditions 320-321; Pacific Equatorial Age Transect; Sites U1331-U1338) Veenstra, Tjerk J. T.
[SS06-P01 (192)] Miocene-Pliocene vegetation changes of west southern Africa (Namibia) Vallé, Francesca	[SS07-P08 (117)] Lichens as objects of surface pollen spectra research Ershova, Ekaterina	[SS16-P04 (137)] Vegetation change in Rarotonga, Cook Islands Fujiki, Toshiyuki	[SS25-P03 (48)] Organic-walled dinoflagellate cyst production in the Santa Barbara Basin: implications for harmful algal blooms and paleoenvironmental reconstructions Bingué, Manuel
[SS07-P01 (139)] Quantification of past regional vegetation of Britain: a first attempt Fyfe, Ralph	[SS15-P01 (166)] The relation between pollen concentration and symptom index of seasonal allergic rhinitis for risk grade for pollen allergy in Korea Oh, Jae-Won	[SS21-P01 (589)] Late Permian Jiefangcun flora from Hunchun of Jilin, China Yang, Tao	[SS25-P04 (261)] Early Miocene biostratigraphy of dinoflagellate cysts of northern Japan Kurita, Hiroshi
[SS07-P02 (47)] Changing abundance gradients of major pollen taxa in Europe over the last 15000 years – a result of climate change and human activity Brewer, Simon	[SS15-P02 (282)] Seasonal distribution of airborne pollen in Beijing, China and their correlation with meteorological factors Li, Yiyin & Yang, Han	[SS21-P02 (29)] Record of a possible marattiaceous fern from the Upper Permian sediments of Indian Lower Gondwana Ghosh, Ruby	[SS25-P05 (415)] Dinoflagellate cysts as indicators of millennial scale climatic and oceanographic variability in Guaymas Basin, Gulf of California (Mexico) during the Late Quaternary Pospelova, Vera
[SS07-P03 (190)] Regional vegetation cover reconstructions using the REVEALS model; a comparison of estimates using pollen records from one large and several small lakes Hjelle, Kari Loe	[SS15-P03 (389)] Allergen specific immunotherapy for Japanese cedar pollinosis Ohashi-Doi, Katsuyo	[SS21-P03 (219)] Occurrence of <i>Sciadopitys</i>-like fossil wood (Coniferales) in China Jiang, ZiKun	[SS25-P06 (285)] A comparative study of the modern dinocyst assemblages from the Pacific coast of Mexico (15° N to 25°N) and the Gulf of Mexico (17° N to 29°N) Limoges, Audrey
[SS07-P04 (83)] Quantitative reconstruction of local Holocene vegetation in southern Sweden using the Landscape Reconstruction Algorithm: potentials and limits Cui, Qiaoyu	[SS15-P04 (507)] An estimation method for male flower productions of <i>Cryptomeria japonica</i> Suzuki, Motoo	[SS21-P04 (537)] First record of fossil pollen and spores from the Upper Cretaceous, Mongolia and its paleoclimatic and palynofloristic implications Umetsu, Keita	[SS25-P07 (301)] Modern pollen distribution in marine sediments from the northern part of the South China Sea and its environmental significance Luo, Chuanxiu

Saturday, 25 August [PM1] 13:30-14:30 Symposium & General Sessions (Poster)

Room: 6310 [SS27][SS28]	Room: 6317 [SS32]	Room: 6318 [SS39]	Room: 6325 [GS01][GS02]	Room: 6326 [GS08]
[SS27-P01 (134)] Pollen dispersion of <i>Cryptomeria japonica</i> and Cupressaceae in Ito shi (decadelong researches) No. 9 Fujii, Mayumi	[SS32-P01 (541)] Evaluating the evolutionary novelties implied by two divergent reconstructions of <i>Tobleria bicuspis</i> Van Waveren, Isabel	[SS39-P01 (586)] The Ordovician acritarch genus <i>Barakella</i> Yan, Kui	[GS01-P01 (3)] Palynological analysis of Upper Ordovician-Lower Silurian sediments of the Murzuq Basin, southwest Libya Abuhmida, Faisal H.	[GS08-P01 (510)] Highly-efficient downflow air-purifier for indoor airborne pollen removal Takahashi, Toshiki
[SS27-P02 (179)] Management of the allergic-pollen in paddy field by ground-cover plants - An observation on the grows of a ground-cover plant "<i>Lippia canescens</i> Kunth" and a case study of using trial of the ground-cover plants by a local project - Hayashi, Setsuo	[SS32-P02 (607)] The epidermal structure of subepidermal swellings of <i>Lepidopteris</i> from the Upper Permian of North China Zhang, Yi	[SS39-P02 (504)] Lopingian palynomorphs in the Linxi Formation, Inner Mongolia, China Sun, Yuewu	[GS01-P02 (181)] A <i>Sphenopteris</i> cf. <i>gothnii</i> flora from Early Permian Lower Shihhotse Formation, Fucheng, Shanxi He, Xuezhi	[GS08-P02 (176)] Removal efficiency of airborne allergic pollens by air-purifier Hashimoto, Akinori
[SS27-P03 (583)] Protein profiles of some common microfungi taxa isolated in atmospheric studies Altuner, Ergin Murat	[SS32-P03 (513)] The relationship between <i>Fascipteris</i> and <i>Symopteris</i> Tan, Xiao	[SS39-P03 (269)] Palynology, palynofacies and organic geochemistry from the latest Permian of the Yangtze Block, South China Lei, Yong	[GS01-P03 (553)] A new peltaspermalean plant from the Upper Permian of Nanshan Section, Gansu, China Wan, Mingli	[GS08-P03 (177)] Development of the indoor pollen motion computation software Hashimoto, Akinori
[SS27-P04 (66)] Atmospheric pollen calendar of Giresun, Turkey Çeter, Talip		[SS39-P04 (356)] Palynology: A good tool of resolving stratigraphic problem of the Karoo strata in Tanzania Msaky, Emma	[GS02-P01 (399)] Palaeovegetation of Late Jurassic- Early Cretaceous coal-bearing sequence of Western India: Evidences from biomarker data Dutta, Suryendu	
[SS27-P05 (65)] One year aeropalynological analysis of atmospheric pollens in Çankırı, Turkey Pinar, N. Münevver				
[SS27-P06 (158)] The genetic variation of Cry j 1, a major allergen of Japanese cedar pollen, among Japanese cedar plus trees Goto-Fukuda, Yoko				
[SS27-P07 (86)] Long-term trends in aeroallergen concentrations: more pollen grains but fewer fungal spores? Damialis, Athanasios				
[SS27-P08 (87)] Diurnal circulation patterns of airborne allergenic fungal spores in Thessaloniki, Greece: when is it safe? Damialis, Athanasios				
[SS28-P01 (472)] An experiment with the multiple regression models for forecasting pollen quantity of Japanese cedar Shiotani, Itaru				

Saturday, 25 August [PM2] 14:30-15:50 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS02] Cross-reactivity of pollen allergy chairs: Terumi Midoro-Horiuti Yasuto Kondo	Room: 5234 [SS27] Recent airborne allergenic pollen and spore research: phenological trends in different locations chairs: Carmen Galán Teiji Kondo Jae-Won Oh	Room: 5235 [SS07] Quantitative reconstructions of past vegetation/land cover at local to continental spatial scales using pollen records— potentials and limits chair: Shinya Sugita	Room: 5236 [SS06] "Into the Icehouse" - climate and vegetation change at the end of the Pliocene (a joint ROCEEH and NECLIME symposium) chair: Angela A. Bruch	Room: 5333 [SS39] Precambrian to Palaeozoic Palynology: the state of the art (CIMP-sponsored Symposium) chair: Charles Wellman	Room: 5334 [SS21] Paleofloristic and paleoenvironmental changes in Asia throughout the Mesozoic : palynological and megafossil evidence chairs: Harufumi Nishida Marc Philippe Kazuo Terada Julien Legrand	Room: 5335 [SS16] Holocene Palynology and Tropical Palaeoecology chairs: Navnith K.P. Kumaran Ruta Limaye B. Maria Lúcia Absy	Room: 5336 [SS25] Late Cenozoic to modern marine palynology of the circum-Pacific Ocean chair: Kazumi Matsuoka	Time
14:30-14:50	[SS02-O01 (490)] The molecular basis for birch pollen related oral allergy syndrome (OAS) Michael D Spangfort	[SS27-O08 (388)] The revised edition of Korean calendar for allergenic pollens Jae-Won Oh	[SS07-O09 (592)] Estimating source area of pollen from topsoil and lake sediments using remote sensing data of regional vegetation Yi Yin		[SS39-O08 (296)] [Keynote] Evolutionary stasis of sporopollenin biochemistry revealed by unaltered Carboniferous spores Barry Lomax	[SS21-O05 (268)] Palynostratigraphy and paleoenvironments of the Lower Cretaceous Choshi Group, Outer Zone of south-west Japan Julien Legrand	[SS16-O09 (129)] Recent (1483 to 1994) variability of gonyaulacoid-peridinioid cysts, in the Gulf of California, Mexico Javier Helenes	[SS25-O08 (412)] [Keynote] Sedimentary records of dinoflagellate cysts in eastern Pacific coastal and estuarine waters Vera Pospelova	14:30-14:50
14:50-15:10	[SS02-O02 (473)] Birch pollen related OAS in Japan Hideaki Shirasaki	[SS27-O09 (180)] Effect of ground control difference on seasonal vegetation and aerobiology – A comparison of Japanese pear orchards and campus ground – Setsuo Hayashi	[SS07-O10 (362)] Estimating relevant source area of pollen and relative pollen productivity in the Hakkoda Mountains, northeastern Japan Takuma Nakamura	[SS06-O04 (223)] Early Pleistocene vegetation and climate changes in continental deposits of the Lesser Caucasus of Armenia Sébastien Joannin		[SS21-O06 (608)] Late Cretaceous spores and pollen assemblages and palaeoclimate of the lower Nenjiang Formation in the Songliao Basin, NE China Jing Zhao	[SS16-O10 (352)] Holocene landscape change from the seasonally Dry Tropics of north-eastern Australia Patrick Moss		14:50-15:10
15:10-15:30	[SS02-O03 (335)] Cross-reactivity due to pathogenesis-related (PR)-protein Terumi Midoro-Horiuti	[SS27-O10 (374)] Seasonal incidence of airborne pollen and fungal spores in Nsukka zone, Nigeria Reginald Chukwuemeka Njokuocha	[SS07-O11 (522)] Corylus expansion and persistent openness in the early Holocene vegetation of northern central Europe Martin Theuerkauf	[SS06-O05 (538)] Pliocene climate cycles and vegetation variability in NW Germany prior to the onset of severe Pleistocene cooling Torsten Utescher	[SS39-O09 (359)] Palyno-petrographical facet and depositional account of Gondwana sediments from East Bokaro coalfield, Jharkhand, India Srikanta Murthy	[SS21-O07 (386)] Xenoxylon synecology and its bearings on Mesozoic terrestrial climates Changhwan Oh	[SS16-O11 (256)] Holocene vegetation dynamics in southwestern India: palynological and palaeoecological appraisal of terrestrial and marine archives Ruta B. Limaye	[SS25-O09 (92)] Reassessment of sea-surface conditions in the Gulf of Alaska during the late Pleistocene-Holocene based on dinocyst assemblages Anne de Vernal	15:10-15:30
15:30-15:50	[SS02-O04 (155)] Structural basis for cedar pollen related OAS Randall M. Goldblum		[SS07-O12 (324)] Signals of tree volume and temperature in a high-resolution record of pollen accumulation rates in northern Finland F. Mazier	[SS06-O06 (487)] Plio-Pleistocene climate, vegetation, and biogeography in southern Australia Kale Sniderman	[SS39-O10 (270)] Permian phytoplankton diversity: a big surprise Yong Lei	[SS21-O08 (311)] Paleofloristic and paleoenvironmental changes in Amur (Heilongjiang) River region throughout the Late Cretaceous and Paleocene: palynological and paleobotanical evidence Eugenia V. Bugdaeva		[SS25-O10 (426)] Sea surface conditions during the last deglaciation in the subarctic Pacific: palynological evidence Taoufik Radi	15:30-15:50

Saturday, 25 August [PM3] 16:20-17:40 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS02] Cross-reactivity of pollen allergy chair: Reiko Kishikawa	Room: 5234 [SS15] Climate Change and Aeroallergens chairs: Jae-Won Oh Anand Bahadur Singh	Room: 5235 [SS07] Quantitative reconstructions of past vegetation/land cover at local to continental spatial scales using pollen records—potentials and limits chair: Jack Williams	Room: 5236 [SS06] "Into the Icehouse" - climate and vegetation change at the end of the Pliocene (a joint ROCEEH and NECLIME symposium) chair: Torsten Utescher	Room: 5333 [GS01] Paleozoic palynology and botany chair: Michael T. Dunn	Room: 5334 [SS21] Paleofloristic and paleoenvironmental changes in Asia throughout the Mesozoic : palynological and megafossil evidence chairs: Harufumi Nishida Marc Philippe Kazuo Terada Julien Legrand	Room: 5336 [SS25] Late Cenozoic to modern marine palynology of the circum-Pacific Ocean chair: Hiroschi Kurita	Time
16:20-16:40	[SS02-O05 (250)] New method for assessment of cross-reactivity Yasuto Kondo	[SS15-O01 (480)] The impact of climate change on pollen allergens and allergic diseases: A global scenario A.B. Singh	[SS07-O13 (460)] Vegetation analysis and modern pollen distribution in surface sediments of coastal mangrove swamps of Sundarbans, India Swati Sen	[SS06-O07 (293)] Cenozoic vegetation and climate changes in the subtropical East Asia: a case study from Guangxi, south China Yusheng (Christopher) Liu	[GS01-O01 (436)] A volcanic T⁰ assemblage permits the reconstruction of the most complete Early Permian forest ecosystem: new results from the Petrified Forest of Chemnitz, Germany Ronny Rößler	[SS21-O09 (230)] Palynological implications of the Deccan Intertrappean sediments (Maastrichtian-Danian): A review Ratan Kar	[SS25-O11 (432)] Influence of the Pacific Decadal Oscillation in the Beaufort Sea over the last 150 years based on dinoflagellate cyst assemblages André Rochon	16:20-16:40
16:40-17:00		[SS15-O02 (239)] Prospective changes in allergenic pollens in Korea based on climate change scenarios Kyu Rang Kim	[SS07-O14 (530)] Land cover-climate interactions in NW Europe, 6000 BP and 200 BP – first results of the Swedish LANDCLIM project Anna-Kari Trondman	[SS06-O08 (204)] Late Pliocene vegetation and climate change at Fudong, southwestern China Yong-Jiang Huang	[GS01-O02 (125)] Vegetation structure of the Early Permian Petrified Forest in Chemnitz, Germany Zhuo Feng	[SS21-O10 (447)] Deccan continental flood basalt induced floral changes in Late Cretaceous-Early Paleocene: Evidences from palynomorph bearing interlava sediments of Indian subcontinent Bandana Samant	[SS25-O12 (329)] Process length variation of the cyst of the dinoflagellate <i>Protoceratium reticulatum</i> in the North Pacific: a new density proxy and first evidence of pseudo-cryptic speciation Kenneth Neil Mertens	16:40-17:00
17:00-17:20		[SS15-O03 (505)] Allergic diseases in Japan with special reference to Japanese cedar pollinosis Motohiko Suzuki	[SS07-O15 (312)] REVEALS-based reconstruction of regional vegetation and land cover along climatically-sensitive transects in NW Europe: new insights into Holocene dynamics of plant-climate-human interactions Laurent Marquer		[GS01-O03 (392)] Biostratigraphical and geochronological implications of a new U-Pb radiometric age dating from a Lower Permian palynological association of the Southern Paraná Basin, Brazil Ana Luisa Outa Mori		[SS25-O13 (320)] Polyphyletic round brown spiny dinoflagellate cysts Kazumi Matsuoka	17:00-17:20
17:20-17:40		[SS15-O04 (267)] A correlation between Japanese cedar pollen, sensitization rate and pollinosis in Jeju Island, South Korea Keun Hwa Lee	[SS07-O16 (411)] Pollen-inferred quantitative reconstructions of past plant abundance for evaluation and development of dynamic vegetation models Anneli Poska		[GS01-O04 (123)] A new approach on the taxonomy, biological affinity and stratigraphical distributions of <i>Portalites</i> Hemer & Nygreen 1967 and others Gondwana related species Cristina Moreira Félix		[SS25-O14 (449)] New findings of the unsolved cyst - motile relationship of the <i>Protoperidinium oblongum</i>-complex Chihiro Sarai	17:20-17:40

Monday, 27 August [AM1] 9:00-10:20 Symposium & General Sessions (Oral)

Time	Room: 5233 [GS03] Cenozoic palynology and botany chair: Takeshi Saito	Room: 5235 [SS41] Ecological insights from palynological and macrofossil analysis chair: Thomas Giesecke	Room: 5236 [SS18] Progress and future direction in automated palynology chair: Katherine Holt	Room: 5334 [SS38] Triassic and Jurassic plants: systematics, diversity variation and environmental background chairs: Maria Krystyna Barbacka Chunlin Sun	Time
9:00-9:20	[GS03-O01 (251)] Fruit ecology of Paleogene and Neogene plant assemblages: Tracing shifts in dispersal syndromes Johanna Kovar-Eder	[SS41-O01] [Introduction to the Symposium] Ecological insights from palynological and macrofossil analysis Simon Brewer, Thomas Giesecke	[SS18-O01 (27)] Principles, potential and methodology for automated pollen counting K.D. Bennett	[SS38-O01 (24)] [Keynote] Experimental approaches to understanding the flammability of ancient ecosystems – a case study of variations in fire activity across the Triassic-Jurassic boundary event Claire M. Belcher	9:00-9:20
9:20-9:40	[GS03-O02 (407)] Paleogeographic and age interpretations of the La Cira Fossil Horizon, Middle Magdalena Valley, Colombia using palynological data Guillermo Rodríguez	[SS41-O02 (245)] Spatial dynamics of Holocene vegetation and land cover at Haanja, SE Estonia: comparison of pollen, plant macrofossil and charcoal records from forest hollows Tiiu Koff	[SS18-O02 (338)] Development of automatic airborne pollen-sorting counter using pollen auto-fluorescence Kotaro Mitsumoto		9:20-9:40
9:40-10:00	[GS03-O03 (532)] <i>Spirematospermum</i> from Japan and its phytogeography Minoru Tsukagoshi	[SS41-O03 (421)] Reconstruction of local ecosystem changes using Holocene multiproxy palaeorecords from forest hollow at Haanja Heights, SE Estonia Liisa Puusepp	[SS18-O03 (420)] A bias-optimized layered machine-learning framework for high-diversity pollen samples Surangi W. Punyasena	[SS38-O02 (94)] (Cancelled) Evolution of the floras through the Late Triassic to the Middle Jurassic based on the materials from one section in the Junggar Basin, NW China Shenghui Deng [SS38-O07 (524)] moved from PM2 <i>Ashicaulis beipiaoensis</i>, a new species of osmundaceous rhizome from the Middle Jurassic of Liaoning, Northeast China Ning Tian	9:40-10:00
10:00-10:20	[GS03-O04 (381)] Palynology of hypersaline lakes in southern Western Australia: insights into highly dynamic lacustrine history Francisca E. Oboh-Ikuenobe	[SS41-O04 (501)] Spatial dynamics of Holocene vegetation and land cover at Haanja Heights in SE Estonia: palaeoecological insights into factors and mechanisms affecting the landscape mosaic Shinya Sugita	[SS18-O04 (277)] Testing the analysis of airborne pollen samples with an automated trainable system Elisabeth Levac	[SS38-O03 (20)] Preliminary results of plant succession research in the Liassic delta, Mecsek Mts., Hungary Maria Barbacka	10:00-10:20

Monday, 27 August [AM2] 10:50-12:10 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS14] The evolutionary history of conifers that are now endemic to Asia chair: Hong Yang	Room: 5234 [SS30] Late Cretaceous and Tertiary Woods. Ecological, Systematic, and Biogeographic Insights from the Fossil Wood Record. chairs: Kazuo Terada Elisabeth Wheeler	Room: 5235 [SS41] Ecological insights from palynological and macrofossil analysis chair: Simon Brewer	Room: 5236 [SS18] Progress and future direction in automated palynology chair: Keith Bennett	Room: 5333 [SS29] Use and management of plant resources in prehistoric periods in East Asia chairs: Yuichiro Kudo Shuichi Noshiro	Room: 5334 [SS38] Triassic and Jurassic plants: systematics, diversity variation and environmental background chairs: Maria Krystyna Barbacka Chunlin Sun Yongdong Wang Shenghui Deng	Room: 5336 [SS40] Tracing the history of extant angiosperm clades with paleobotanical data chair: Steven Manchester	Time
10:50-11:10	[SS14-O01] [Opening address] Atsushi Yabe 《5min》 [SS14-O02 (536)] [Keynote] Cenozoic floral change in East Asia: A phytogeographic perspective Kazuhiko Uemura 《35min》	[SS30-O01 (43)] Eocene petrified wood from Parnell Draw: towards a more complete understanding of the diversity and paleoenvironment of the Green River Formation in southwestern Wyoming, USA Nareerat Boonchai	[SS41-O05 (342)] A data-model analysis for the identification of potential drivers of European fire activity over the last 9000 years Chiara Molinari	[SS18-O05 (263)] Accelerating pollen phenomics with the Classifynder Leanne Bischof	[SS29-O01 (375)] [Keynote] Pre-agricultural management of plant resources during the Jomon period in Japan Shuichi Noshiro	[SS38-O04 (562)] Fertile organs and in situ spores of a dipteridaceous fern (<i>Clathropteris obovata</i> Ôishi) from the Upper Triassic in Sichuan, China Yongdong Wang		10:50-11:10
11:10-11:30		[SS30-O02 (128)] A diverse assemblage of Leguminosae woods from the Neogene of Mexico S.R.S. Cevallos-Ferriz	[SS41-O06 (350)] Pollen accumulation in lake sediments during historic spruce beetle disturbances and implications for Holocene non-fire disturbance reconstructions Jesse Morris	[SS18-O06 (193)] Applying an automated palynology system to counting Quaternary fossil pollen: Can it be done? Katherine Holt		[SS38-O05 (21)] The new type of Late Triassic ovulate scales associated with Brachyphyllum-like leaves Maria Barbacka	[SS40-O01] [Introduction] Steven Manchester 《10min》 [SS40-O02 (107)] [Keynote] Phylogenetic evidence for the presence of ANITA lines and relatives of Chloranthaceae in the Early Cretaceous James A. Doyle 《30min》	11:10-11:30
11:30-11:50	[SS14-O03 (274)] The evolutionary history of Asian Taxodiaceae and Pinaceae Ben A. LePage	[SS30-O03 (458)] Silicified legume woods from the Neogene of Bengal Basin with remark on distribution and paleoenvironment Illora Sen	[SS41-O07 (130)] Understanding postglacial vegetation thresholds in western Tierra del Fuego Sonia L. Fontana		[SS29-O02 (390)] Vegetation history of Japan since mid-glacial based on palynological data Nobuo Ooi	[SS38-O06 (503)] [Keynote] An aquatic fern leaf from the Late Triassic of Western Liaoning, China Chunlin Sun		11:30-11:50
11:50-12:10	[SS14-O04 (581)] Cenozoic fossil records of Asian "endemic" conifers in Japan and their implications for phytogeography Atsushi Yabe	[SS30-O04 (475)] Fossil wood flora of western India and its palaeoecological and phytogeographical significance Anumeha Shukla	[SS41-O08 (316)] High-resolution palynology, climate change, and human impact on a Late Holocene peat bog on Haida Gwaii, British Columbia, Canada Rolf W. Mathewes		[SS29-O03 (255)] Utilization of pant foods and the earliest Jomon pottery in the late Glacial Period Yuichiro Kudo		[SS40-O03 (210)] Early diversification and palaeobiogeography of the Menispermaceae Frédéric MB Jacques	11:50-12:10

Monday, 27 August [PM1] 13:30-14:30 Symposium & General Sessions (Poster)

Room: 6310 [SS29][SS30]	Room: 6318 [SS38][SS40][SS41]	Room: 6325 [GS03][GS05]
[SS29-P01 (116)] New refinement of plant impressions using Replica-SEM Method Endo, Eiko	[SS38-P01 (484)] Integrated palaeobotanical and palynological analysis of the terrestrial deposits of the Ravenscar Group (Middle Jurassic), northeast Yorkshire, UK Slater, Sam	[SS41-P02 (499)] Holocene changes in trophic states of shallow lakes from the Pampa plain of Argentina Fontana, Sonia L.
[GS03-P01 (167)] Cleared leaf collection of modern Japanese species for studying the Eocene-Oligocene Kobe Flora Handa, Kumiko	[SS29-P02 (466)] Early agricultural evidences in Xiahe Site during the Neolithic, Shaanxi province, China Shang, Xue	[SS38-P02 (377)] New interpretation of the genus <i>Grenana</i> Samylna (gymnosperms) from the Middle Jurassic of Uzbekistan Nosova, Natalya
[GS03-P02 (221)] Vegetation, sea-level and climate changes during the Messinian salinity crisis recorded in the Montemayor-1 core, lower Guadalquivir basin, southwestern Spain Jiménez-Moreno, Gonzalo	[SS30-P01 (5)] Coniferous and dicotyledonous fossil woods from the Dim dinosaur locality (Zeya-Bureya Basin, Russian Far East) Afonin, Maxim	[SS38-P03 (599)] The spore peaks at the terrestrial Triassic-Jurassic boundary in NW China Yuanzheng, Lu
[GS05-P01 (393)] Use of DNA-specific stains for studying the fossil plant tissues Ozerov, Igor	[SS30-P02 (315)] Wood specific gravity estimation based on wood anatomical traits: inference of key ecological characteristics in fossil assemblages Estrada-Ruiz, Emilio	[SS38-P04 (600)] Reconstruction of paleovegetation using analysis of plant fossils and sedimentary facies of the Hinabata Fomation, the uppermost part of Triassic Nariwa Group, Southwest Japan Yukawa, Hirokazu
[GS05-P02 (360)] New marker grains! - DuPont NEM series is discontinuous now. Here is 'Palynospheres' series from Microsphere Technology Ltd. as a better alternative - Nakagawa, Takeshi	[SS30-P03 (213)] Miocene <i>Ilex</i> wood from the Shimane Prefecture in Japan: First description of <i>Ilex</i> wood from Asia Jeong, Eun Kyoung	[SS40-P01 (183)] Preliminary report on new plant mesofossils from the Klikov Formation, Cretaceous, Czech Republic Kvaček, Jiří
[GS05-P03 (361)] Much faster counting! - PolyCounter 3.1 and Multi Function Panel - Nakagawa, Takeshi	[SS30-P04 (214)] Miocene wood assemblages of Korea and Japan with special reference to the East Sea opening Kim, Kyungsik	[SS40-P02 (106)] Morphological diversity of angiosperm pollen in the Early and mid-Cretaceous of Colombia Doria, Gabriela
[SS41-P05 (22)] Features of Holocene broad leaved flora development in Amur River basin Bazarova, Valentina	[SS30-P05 (418)] New insights into the Eocene Western Antarctic forests: fossil woods from La Meseta Formation Pujana, Roberto R.	[SS40-P03 (559)] Fruits and leaves of <i>Cercis</i> (Leguminosae, Caesalpinioideae) from the Cenozoic of China and their biogeographic implications Wang, Qi
[SS41-P06 (494)] Record of climatic and environmental changes in the Middle Pleistocene sediments from Łuków (E Poland) on basis of palaeobotanical studies Stachowicz-Rybka, Renata	[SS30-P06 (434)] A new Malvaceae wood from the Middle Miocene Cucaracha Formation in the Panama Canal Rodríguez-Reyes, Oris	[SS40-P04 (55)] <i>Chamaerops humilis</i> L. in Mediterranean basin: current distribution associated with the Cenozoic and Quaternary history Brugiapaglia, Elisabetta
[SS41-P07 (601)] Environmental history of the extinct lake Šúr (Western Carpathians, Slovakia) during the Late-glacial and Holocene: a multi-proxi approach Žáčková, Pavla	[SS41-P01 (453)] Postglacial appearance of spruce and alder on the northwestern Russia according to pollen data Savelyeva, Larisa	[SS41-P08 (12)] Vegetation stability and disturbance regimes – a long-term perspective from the Portuguese coast Araújo, João
[SS41-P09 (302)] Pollen spectra of Tohoku Tsunami sediments in Shikotan Island (Southern Kuril Islands, NW Pacific Ocean) Lyashchevskaya, Marina S.		

Monday, 27 August [PM2] 14:30-15:50 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS14] The evolutionary history of conifers that are now endemic to Asia chair: Ben LePage	Room: 5234 [SS30] Late Cretaceous and Tertiary Woods. Ecological, Systematic, and Biogeographic Insights from the Fossil Wood Record. chairs: Elisabeth Wheeler Kazuo Terada	Room: 5235 [SS41] Ecological insights from palynological and macrofossil analysis chairs: Thomas Giesecke Simon Brewer	Room: 5236 [GS05] Method in palynology and paleobotany chairs: Vladimir Torres Kenneth Neil Mertens	Room: 5333 [SS29] Use and management of plant resources in prehistoric periods in East Asia chair: Yuichiro Kudo	Room: 5334 [SS38] Triassic and Jurassic plants: systematics, diversity variation and environmental background chairs: Yongdong Wang Shenghui Deng	Room: 5336 [SS40] Tracing the history of extant angiosperm clades with paleobotanical data chairs: Steven Manchester Maria Gandolfo	Time
14:30-14:50	[SS14-005 (163)] Biogeography of endemic and near-endemic podocarps in Asia Paul J. Grote	[SS30-005 (520)] Vegetational changes during the Late Cretaceous-Tertiary interval across Antarctica and South America, based on the fossil wood record Kazuo Terada	[SS41-009 (461)] A North European pollen-climate calibration set: new tools for analysing the spatial structure of biological proxy data Heikki Seppä	[GS05-001 (528)] Innovative, non-acid based techniques for palynomorph recovery Vladimir Torres	[SS29-004 (468)] Reconstruction of consumption of starchy food in prehistoric Japan from starch granules Ayako Shibutani	[SS38-007 (524)] (move to AM1) <i>Ashicaulis beipiaoensis</i> , a new species of osmundaceous rhizome from the Middle Jurassic of Liaoning, Northeast China Ning Tian	[SS40-004 (144)] The emerging Patagonian fossil record of Cunoniaceae and its biogeographical significance María A. Gandolfo	14:30-14:50
14:50-15:10	[SS14-006 (199)] Paleocene coniferous remains from Northeast Japan Junji Horiuchi	[SS30-006 (446)] Southern vs. Northern Hemisphere: <i>Antarctoxylon</i> from the Upper Cretaceous of Antarctica and <i>Spiroplatanoxylon</i> from the Tertiary of Europe Jakub Sakala	[SS41-010 (168)] Migration of <i>Pinus</i> in Northern China during the Holocene Qian Hao	[GS05-002 (330)] Determining the absolute abundance of dinoflagellate cysts in recent marine sediments: further tests of the <i>Lycopodium</i> marker-grain method Kenneth Neil Mertens	[SS29-005 (243)] Prehistoric selection of plant materials for various types of weaving in Japan Kazutaka Kobayashi	[SS38-008 (563)] The Early Jurassic plants from the Shenzhen area of Guangdong Province, southern China and their significance Yongdong Wang	[SS40-005 (187)] Fossil record of the Anacardiaceae with particular attention to the widespread subfamily Spondioideae Fabiany Herrera	14:50-15:10
15:10-15:30	[SS14-007 (319)] Miocene fossil forest and permineralized plants from Shimokawa, Hokkaido, Japan Midori Matsumoto	[SS30-007 (151)] Silicification in wood: Seeing the fossil forest and the trees Carole T. Gee	[SS41-011 (534)] (Cancelled) Forest line dynamics under abrupt climatic changes: An example from the NW-European Late Glacial Falko Turner	[GS05-003 (322)] Palynology as a tool in solving tectonic problems: Case study of Tanzanian coastal basin Jean-Frank John Mayagilo	[SS29-006 (595)] Establishment of chestnut resources around human settlements in prehistoric Japan deduced from the dispersal characteristic of its pollen Masanobu Yoshikawa	[SS38-009] [Concluding remarks] Yongdong Wang	[SS40-006 (96)] New studies of fossil Rosaceae from the upland early-middle Eocene Okanogan Highlands floras of British Columbia, Canada and Republic, Washington, USA Melanie L. DeVore	15:10-15:30
15:30-15:50	[SS14-008 (556)] Miocene <i>Metasequoia</i> from Yunnan, southwest China and its biological implications Li Wang	[SS30-008 (120)] Angiosperm wood floras from the southern Western Interior, North America: new data and interpretations Emilio Estrada-Ruiz		[GS05-004 (321)] Chemostratigraphic and biostratigraphic analysis of Kiliwani North -1 well S.E. Songosongo island, Tanzania Jean-Frank John Mayagilo	[SS29-007 (594)] Prehistoric change in the size of fruits and seeds implies human selection of plant resources Junko Yoshikawa		[SS40-007 (184)] Fossil fruits of Engelhardioideae: Exploring the Patagonian-Northern Hemisphere connection in the fossil record Elizabeth J. Hermsen	15:30-15:50

Monday, 27 August [PM3] 16:20-17:40

Symposium & General Sessions (Oral)

Time	Room: 5233 [SS14] The evolutionary history of conifers that are now endemic to Asia chair: Atsushi Yabe	Room: 5234 [SS30] Late Cretaceous and Tertiary Woods. Ecological, Systematic, and Biogeographic Insights from the Fossil Wood Record. chair: Kazuo Terada	Room: 5236 [GS05] Method in palynology and paleobotany chair: Kazuhiko Uemura	Room: 5333 [SS29] Use and management of plant resources in prehistoric periods in East Asia chair: Shuichi Noshiro	Room: 5334 [GS06] Taphonomy chair: Arata Momohara	Room: 5336 [SS40] Tracing the history of extant angiosperm clades with paleobotanical data chair: Maria Gandolfo	Time
16:20-16:40	[SS14-O09 (585)] Palaeoecology of fossil forests dominated by <i>Metasequoia</i> and <i>Glyptostrobus</i> in the Plio-Pleistocene Kobiwako Group, Central Japan Chiyomi Yamakawa	[SS30-O09 (569)] Cretaceous angiosperm woods and APG III. What orders and families are represented? Elisabeth A. Wheeler	[GS05-O05 (492)] The Universal CLAMP Calibration: A First Look Robert Spicer	[SS29-O08 (340)] Mead, as an attractive prehistoric beverage back into the Bronze Age based on human coprolite studies from Sweden and Austria Dagfinn Moe	[GS06-O01 (119)] Biom mineralizations in extant mosses: a key to finding unrecognized fossils? Belén Estébanez Pérez	[SS40-O08 (576)] What have the Fagales been up to for the last 65 My? A synthesis of fossils, phylogeny & plant functional traits Richard J. Carter	16:20-16:40
16:40-17:00	[SS14-O10 (273)] Variations of leaf stomatal frequencies complicate the reconstruction of ancient atmospheric CO₂ concentrations using fossil <i>Metasequoia</i> leaf cuticle Qin Leng	[SS30-O10] Late Cretaceous and Tertiary woods from southern Africa Marion K Bamford	[GS05-O06 (278)] Pollen indication of the natural and Chernobyl type geobotanical catastrophes Galina Levkovskaya	[SS29-O09 (593)] Deforestation and surface environmental change since 8th century from vegetation reconstruction based on high-precision chronology at Tagajyo archeological site, northeastern Japan Akihiro Yoshida	[GS06-O02 (465)] High fidelity: evaluating amber as a medium for preserving unusual details Leyla J. Seyfullah	[SS40-O09 (498)] Biogeography and fossil history of the tropical angiosperm family Icacinaceae Steven R. Manchester	16:40-17:00
17:00-17:20	[SS14-O11 (588)] How decay and diagenesis influence stable carbon isotope signals in plant fossils? Asian paleoendemic conifers as an example Hong Yang	[GS03] Cenozoic palynology and botany chair: Takeshi Saito			[GS06-O03 (464)] Resin production in Araucariaceae: enlightening amber deposition? Leyla J. Seyfullah	[SS40-O10] [Conclusions]	17:00-17:20
17:20-17:40	[SS14-O12 (303)] The endemic conifers of Asia: Comparison and analysis Jinshuang Ma	[GS03-O08] (move to SS37) First record of a fungal palynomorph “peak” around the probable Oligocene/Miocene boundary, Gulf of Suez, Egypt Haytham El Atfy					17:20-17:40

Tuesday, 28 August [AM1] 9:00-10:20

Symposium & General Sessions (Oral)

Time	Room: 5233 [SS17] Palaeoecology of Cenozoic conifers – limits of actualisms? chair: Lutz Kunzmann	Room: 5234 [SS42] Neogene global tectonic and climatic change as drivers in plant evolution: linking the palynological, palaeobotanical and molecular records chairs: Carina Hoorn Alexandre Antonelli	Room: 5235 [SS26] Advancing High-Resolution, High-Throughput Research in Paleoeecology chair: Feng Sheng Hu	Room: 5236 [GS04] Quaternary palynology and botany chair: Ryoma Hayashi	Room: 5333 [SS31] Palynological evidence of past traditional farming systems and pastoralism chair: Didier Galop	Room: 5334 [SS23] IOP Presidential Symposium: new concepts and discoveries in plant paleontology chairs: Ruth Stockey Gar Rothwell	Time
9:00-9:20	[SS17-001 (275)] [Keynote] The Tertiary paleoecology of selected representatives of the Pinaceae and Taxodiaceae Ben A. LePage	[SS42-001] [Opening of the Symposium] Carina Hoorn, Andres Pardo, Alexandre Antonelli	[SS26-001 (419)] Paleoecology and the era of “big data” Surangi W. Punyasena		[SS31-001 (384)] [Keynote] The onset of alpine pastoral systems in the Eastern Alps Klaus Oeggl	[SS23-001] [Introduction to the Symposium] Gar Rothwell	9:00-9:20
9:20-9:40		[SS42-002 (347)] [Keynote] Understanding the evolution of the Malesian Flora: what the interplay of molecular phylogenies and palynology can offer Robert J Morley	[SS26-002 (194)] [Keynote] Records and high-resolution records of environmental and climatic change: makes the difference sense? H. Hooghiemstra	[GS04-001 (313)] Palynological evidence for gradual changes in salinity for the Black Sea during early to mid- Holocene Fabienne Marret		[SS23-002 (497)] [Keynote] Reproductive anatomy of the conifer family Cheirolepidiaceae Ruth A. Stockey	9:20-9:40
9:40-10:00	[SS17-002 (102)] Fossil conifers in peat bog environments – results from the central European Neogene Martina Dolezych			[GS04-002 (427)] Vegetation dynamics of the Hyrcanian forests of northern Iran since the Last Glacial Maximum Elias Ramezani	[SS31-002 (49)] Using palaeobotanical and geochemical investigations to disentangle complex relations between human and landscape: the lacustrine record from Lake Petit (2200 m) Elodie Brisset		9:40-10:00
10:00-10:20	[SS17-003 (582)] Paleoecology of <i>Cunninghamia</i> from earliest Miocene Shichiku Flora of Northeast Honshu, Japan Atsushi Yabe	[SS42-003 (478)] Bayesian estimation of speciation and extinction rates from fossils and molecular phylogenies Alexandre Antonelli	[SS26-003 (305)] Seeing the trees for the forest: Improving the taxonomic resolution of pollen and spore records of ancient vegetation Luke Mander	[GS04-003 (44)] Flora and vegetation changes on the Russian Plain in response to the Lateglacial climatic oscillations Olga Borisova	[SS31-003 (98)] 10,000 years of land and natural resources record – The example of high altitude pastoralism in the Silvretta Massif (Austria/Switzerland) Benjamin Dietre	[SS23-003 (169)] Paleobotanical contributions to paleomycology Carla J. Harper	10:00-10:20

Tuesday, 28 August [AM2] 10:50-12:10 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS17] Palaeoecology of Cenozoic conifers – limits of actualisms? chair: Martina Dolezych	Room: 5234 [SS42] Neogene global tectonic and climatic change as drivers in plant evolution: linking the palynological, palaeobotanical and molecular records chair: Andres Pardo	Room: 5235 [SS26] Advancing High-Resolution, High-Throughput Research in Paleocology chair: Surangi W. Punyasena	Room: 5333 [SS31] Palynological evidence of past traditional farming systems and pastoralism chair: Didier Galop	Room: 5334 [SS23] IOP Presidential Symposium: new concepts and discoveries in plant paleontology chair: Gar Rothwell	Room: 5335 [SS05] Late Quaternary environments in Southeast Asia chair: Zhen Li	Room: 5336 [GS07] Pollen morphology chairs: Abul Khayer Mohammad Golam Sarwar Ming-Jou Wu	Time
10:50-11:10	[SS17-004 (258)] Palaeoecology of extinct conifer genera in the European Cenozoic Lutz Kunzmann	[SS42-004 (431)] Palynology, vegetation and climate of latest Miocene, Pliocene and Early Pleistocene sediments of the Caspian Sea: a detailed study of several outcrop localities in Azerbaijan Keith Richards	[SS26-004 (212)] Biostratigraphic dating using maximum likelihood Carlos Jaramillo	[SS31-004 (345)] Record of changing human activities around Lake Montcortès (southern Pyrenees) during the last millennium: contributions from non-pollen palynomorphs Encarni Montoya	[SS23-004 (76)] [Keynote] Paleogene water ferns: turnovers, environments and biogeography Margaret E. Collinson	[SS05-001 (612)] A new 350 ka BP pollen record from Tianyang Maar Lake in the Southeast China: orbital-scale vegetation and climate changes Zhuo Zheng	[GS07-001 (602)] On the exine ultrastructure of ginkgoaleans: dispersed pollen of presumed ginkgoalean affinity from the Early Cretaceous of Russia and pollen of extant <i>Ginkgo biloba</i> L. Natalia Zaviailova	10:50-11:10
11:10-11:30	[SS17-005 (244)] Study of extinct and extant major tree genera in Japan on the basis of late Miocene plant habitat Makiko Kobayashi	[SS42-005 (334)] Late Cenozoic pollen records of the Qaidam Basin, north Tibetan Plateau and implications for the central Asian aridification Yunfa Miao	[SS26-005 (357)] The value of quantitative palynology in enhancing regional stratigraphic standards; an example from the Late Jurassic of The Netherlands Dirk Munsterman	[SS31-005 (231)] Development of an ombrotrophic peat bog and local vegetation under low human impact in NE Poland inferred from the biotic proxies Monika Karpińska-Kołaczek		[SS05-002 (290)] Quantifying vegetation sensitivities to the Holocene climate change with palynological data Hongyan Liu	[GS07-002 (518)] Morphology and ultrastructure of <i>Wodehouseia</i> pollen Maria Tekleva	11:10-11:30
11:30-11:50	[SS17-006 (69)] Temperature niche shift during the Holocene Rachid Cheddadi	[SS42-006 (196)] Preliminary results from a palynological study of Mio-Pliocene Siwaliks sediments in the eastern Himalaya (Samdrup Jongkhar, Bhutan) Carina Hoorn	[SS26-006 (367)] Assessment of the carbon stable isotope composition of pollen as an ecophysiological indicator in the paleorecord David Nelson	[SS31-006 (208)] History of intentional fires and vegetation on the Soni Plateau, Central Japan, reconstructed from palynological records within mire sediment and cumulative soils Jun Inoue	[SS23-005 (236)] Carboniferous bryophytes – perspectives of a hidden world? Hans Kerp	[SS05-003 (71)] Vegetation and climate changes of Three Parallel Rivers region since the late deglaciation based on pollen data from Lancang (Meikong) fluvial terraces Zhongjing Cheng	[GS07-003 (451)] Pollen morphology and tribal classification of the subfamily Ericoideae (Ericaceae) Abul Khayer Mohammad Golam Sarwar	11:30-11:50
11:50-12:10		[SS42-007 (580)] Extended stratigraphy, palynology and depositional environments record the initiation of the Himalayan Gyirong Basin (Neogene China) Yadong Xu	[SS26-007 (297)] The Permo-Triassic transition in western Pangea - A first sign of plant life Cindy V. Looy	[SS31-007 (14)] (Cancelled) Late Holocene landscape reconstruction of a highland river floodplain in Guatemala: Possible location of a Maya agricultural center Carlos Avendaño	[SS23-006 (145)] “Diversity of fungi and fungus-like organisms within the only known Mesozoic hot spring ecosystem (Patagonia, Argentina)” Juan García Massini	[SS05-004 (165)] Late Pleistocene sedimentary sequences and paleoclimate changes in Xunhua basin in the upper reach of Yellow River in China Fang Han	[GS07-004 (574)] On exine architecture of <i>Phyllanthus</i> pollen in Malesia and Taiwan Ming-Jou Wu	11:50-12:10

Tuesday, 28 August [PM1] 13:30-14:30 Symposium & General Sessions (Poster)

Room: 6302 [SS05][SS10]	Room: 6310 [SS26][SS31]	Room: 6318 [SS42]	Room: 6325 [GS04]	Room: 6326 [GS07][GS09][GS10][GS11]		
[SS05-P01 (558)] Changes of Holocene paleoenvironment of the alluvial plain in NE Taiwan inferred by lake sediments Wang, Liang-Chi	[SS26-P01 (126)] First high resolution marinopalynological stratigraphy of Late Quaternary sediments from the Black Sea Pavlov, Danail	[SS42-P01 (382)] Oligocene-Miocene palynofloras from northern South America Ochoa, Diana	[GS04-P01 (4)] Applied palynodebris associations: Inferred systems tracts, palaeoenvironmental reconstructions and implications from the EA-DP-C Gravity Core, EA field, shallow offshore Niger Delta, Nigeria Adojoh, Onema	[GS04-P10 (454)] Creation of photographic atlas of plants and pollen of the Lena River Delta, Russian Arctic Morozova, Elena	[GS07-P01 (450)] Pollen morphology of <i>Bomarea</i> (Alstroemeriaceae) and its systematic significance Sarwar, Abul Khayer Mohammad Golam	[GS09-P04 (317)] Botanical identification and total phenolic content in propolis from northern coastal region Bahia, Brazil Santos, Francisco de Assis Ribeiro
	[SS26-P02 (547)] Biofacies characterization: the first step towards property prediction in shale gas exploration. An example from the Posidonia Shale in The Netherlands Munsterman, D.K.		[GS04-P02 (257)] A new Mid-Quaternary interglacial record from Denmark: correlation, vegetation and fire dynamics Kuneš, Petr	[GS04-P11 (242)] Estimated pollen production rates for several <i>Quercus</i> species in Japan Kiyonaga, Jota	[GS07-P02 (406)] Comparative pollen morphology of Sections <i>Doriae</i> and <i>Reniformes</i> of the Genus <i>Senecio</i> L. (Asteraceae) from Turkey Pinar, N. Münevver	[GS09-P05 (215)] Brazilian Semiarid honeys – melissopalynology study Bormann de Borges, Ricardo Landim
[SS10-P01 (409)] Sporoderm ultrastructure in <i>Anthoceros agrestis</i> Paton. (hornworts) Polevova, Svetlana	[SS31-P01 (385)] Morphological features of minute charcoal particles in the soil of grassland of Japan Ogura, Jun-ichi	[SS42-P02 (428)] Morphological analysis of extant <i>Serpocaulon</i> A. R. Sm. (Polypodiaceae J. Presl. & C. Presl.) spores from Colombia (NW South America): a tool for the study of the Cenozoic Neotropical paleobotany Pardo-Trujillo, Andrés	[GS04-P03 (401)] A comparison of vegetation and climate dynamics between MIS-1 and MIS-5 from Lake Suigetsu, central Japan, and its broader palaeoclimatic implications Payne, Rebecca Leigh	[GS04-P12 (557)] The history of human occupation at the Lake Lindu (Sulawesi, Indonesia) as inferred from pollen, diatoms and charcoal analyses Biagioni, Siria	[GS07-P03 (8)] Pollen morphology of <i>Scilla</i> (Hyacinthaceae) Masoumi, Sayedmohammad	[GS09-P06 (422)] Palynological data characterisation of Estonian honey Puusepp, Liisa
	[SS31-P02 (81)] Climate-pastoral activity interactions in the Champsaur Valley (French Alps) and their effect on the evolution of biodiversity during the last 3400 years Court-Picon, Mona	[GS04-P04 (198)] The Last Glacial Transition at Lake St Clair, Tasmania Hopf, Felicitas	[GS04-P13 (249)] Spatially bridging paleobotany and paleoanthropology: GIS-based data integration for the project “Replacement of Neanderthals by Modern Humans” Kondo, Yasuhisa	[GS07-P04 (237)] Comparative pollen morphology of <i>Lilium</i> and <i>Calochortus</i> (Liliaceae) Masoumi, Sayedmohammad	[GS09-P07 (587)] Combining melissopalynology and flavonoid analysis for the identification of litchi- and longan-honeys in Taiwan Yang, Fu-Chin	
[SS10-P02 (410)] Acetolysis test of the developing exine in <i>Nicotiana tabacum</i> L. Polevova, Svetlana	[SS31-P03 (114)] Coprophilous fungal spores and selected non-pollen palynomorphs (NPPs) in lake and peat deposits from Greenland Gauthier, Emilie	[SS42-P03 (408)] Ladrilleros-Juanchaco : a marine Miocene reference section from the Colombian Pacific Plata, Angelo	[GS04-P05 (100)] Holocene vegetation dynamics and climate change in Kamchatka, Russian Far East Dirksen, Veronika	[GS04-P14 (78)] Pollen records of 20th-century tobacco production in southern Bulgaria Connor, Simon	[GS07-P05 (174)] Comparative pollen morphology of some species of two Genus, <i>Crocus</i> and <i>Colchicum</i> at Western Iranian habitats Hashemi, Seyedmehdad	[GS10-P01 (369)] Finding new links in an alpine pollination network by examining pollen deposited on the insect body surfaces Nikkeshi, A.
	[SS31-P04 (122)] (Cancelled) Impact of pastoral activities on the vegetation during the Holocene – the case of the Aubrac highlands (South-western Massif Central, France) Galop, D.	[GS04-P06 (99)] Holocene pollen record from Lake Sokoch, interior Kamchatka (Russia), and its palaeobotanical and paleoclimatic interpretation Dirksen, Veronika	[GS04-P15 (211)] Continuity and change in the vegetation of a temperate oakwood: a multidisciplinary study from the Central Europe Kuneš, Petr	[GS07-P06 (531)] The significance of peripheral arrangement of pollen in the anther of Poaceae Tsou, Chih-hua	[GS11-P01 (346)] Palynological analyses of spider webs and their potential in forensic science to associate a suspect/victim with a crime scene: First report from India Bera, Subir	
[SS10-P03 (400)] Pollen morphology and localization of Ni in some species of <i>Alyssum</i> Ni-hyperaccumulators Pavlova, Dolja	[SS31-P05 (229)] Neolithic and Bronze Age landnam of the former dense woodlands of the calcareous Alpine Plateau Silberen (Muotathal, Canton Schwyz, Switzerland) Kappelmeyer, Thilo	[SS42-P04 (548)] A palynological study of Neogene fluvial sediments of SW Amazonia (Madre de Dios foreland Basin, Peru) with inferences for paleo-biodiversity studies Antonelli, Alexandre	[GS04-P07 (509)] Vegetation reconstruction based on the plant fossils from the Fukuchi Peat Beds along the Fukuchi River in the south-eastern area of the Chugoku Mountains, western Japan Takahashi, Akira	[GS04-P16 (523)] Environmental change in the monsoon-westerlies transition area of Asia during the last 1200 years: lake sediment analyses from central Mongolia and supra-regional synthesis Tian, Fang	[GS09-P01 (271)] Pollen composition of <i>Apis mellifera</i> L. honey samples from Bahia, Brazil Novais, Jaílson	
	[SS31-P06 (611)] Holocene sedimentary and pollen evidence on sea-level change and primary agriculture history in Fuzhou basin Zheng, Zhuo	[GS04-P08 (298)] Modern pollen distributions in Qinghai-Tibetan Plateau and development of transfer functions for reconstructing Holocene environmental changes Lu, Houyuan	[GS04-P17 (172)] Holocene palynology of south-central Missouri lakes: anthropogenic effects Haselwander, Robert D.	[GS09-P02 (378)] First study on pollen concentration in honeys of native bees from Central Amazon, Brazil Novais, Jaílson Santos de		
	[SS31-P07 (300)] A palaeoenvironmental study of the Shiniusi archaeological sites in the Wujiang Drainage Area, upper Yangtze River, Chongqing region, China Luo, Chuanxiu		[GS04-P09 (597)] Study on modern pollen distribution in Heilongjiang-Amur cold-temperate regions of China and Russia Yu, ShaoHua	[GS04-P18 (310)] From countryside to city: archaeobotanical analyses in Florence (Italy) since its origin to the Middle Ages Mariotti Lippi, Marta	[GS09-P03 (77)] Pollen diversity in honey samples from Sergipe state, Brazil Santos, Francisco de Assis Ribeiro	

Tuesday, 28 August [PM2] 14:30-15:50 Symposium & General Sessions (Oral)

Time	Room: 5234 [SS42] Neogene global tectonic and climatic change as drivers in plant evolution: linking the palynological, palaeobotanical and molecular records chair: Carina Hoorn	Room: 5235 [SS26] Advancing High-Resolution, High-Throughput Research in Paleoecology chair: Surangi W. Punyasena	Room: 5333 [SS31] Palynological evidence of past traditional farming systems and pastoralism chair: Jean Nicolas Haas	Room: 5334 [SS23] IOP Presidential Symposium: new concepts and discoveries in plant paleontology chair: Ruth Stockey	Room: 5335 [SS05] Late Quaternary environments in Southeast Asia chair: Ulrike Proske	Room: 5336 [SS10] Exine development and pattern formation, unifying ultrastructural and genetic approaches chairs: Nina Gabarayeva Stephen Blackmore	Time
14:30-14:50	[SS42-O08 (435)] Landscape changes in northern South America during the Neogene Carlos Jaramillo	[SS26-O08 (571)] [Keynote] Generalized dissimilarity modeling (GDM) of late-Quaternary variations in palynological compositional dissimilarity John W. Williams	[SS31-O08 (147)] [Keynote] Coprophilous fungi assemblages in grazed area: what are their relationships with catchment, vegetation and land use? Emilie Gauthier	[SS23-O07 (132)] [Keynote] Square seeds and Early Cretaceous chlamydosperm diversity Else Marie Friis	[SS05-O05 (283)] High-resolution Holocene climate change recorded in the Gulf of Tonkin (Beibu Bay), Northwestern South China Sea Zhen Li	[SS10-O01 (37)] [Introduction to the Symposium SS10] Reviewing the past, present and future of exine development Stephen Blackmore	14:30-14:50
14:50-15:10	[SS42-O09 (395)] Abrupt onset of Patagonian desertification by 11 Ma: insights from the fossil record Luis Palazzesi				[SS05-O06 (103)] Climate-, sea-level- and autogenic drivers for peat swamp development in Southeast Asia René Dommain	[SS10-O02 (514)] Pollen structure and development in Nymphaeales: Insights into exine evolution in an ancient angiosperm lineage Mackenzie L. Taylor	14:50-15:10
15:10-15:30	[SS42-O10 (383)] Timing the land emergence on the Chocó basin, Colombian Pacific (NW South America): micropaleontologic and sedimentologic evidence Diana Ochoa	[SS26-O09 (90)] Putting pollen on the map: new techniques in spatial analysis Basil A.S. Davis	[SS31-O09 (82)] An assessment of the relationships between modern spores of dung-related Ascomycetes and summer grazing activities to reconstruct past pastoral activities in the western Pyrenees (Basque Mountains and Ossau Valley, France) Florence Mazier	[SS23-O08 (517)] Fifty years of spore wall ultrastructure: what good is all this? Wilson A. Taylor	[SS05-O07 (11)] Long Term (Apparent) Rates of Carbon Accumulation (LORCA) in Peatland Forest at Danau Sentarum National Park, West Kalimantan Province, Indonesia Gusti Z. Anshari	[SS10-O03 (200)] Microsporogenesis and exine substructure in <i>Trochodendron aralioides</i> Siebold & Zuccarini. (Trochodendraceae) Yu-Chwen Hsu	15:10-15:30
15:30-15:50	[SS42-O11 (396)] Towards a Neogene palynological zonation for Colombian Pacific basins (NW South America) Andrés Pardo	[SS26-O10 (555)] An early Permian vegetational Pompeii: Forest reconstruction, paleoecology, and paleobiogeography Jun Wang	[SS31-O10 (36)] Climate change, fire history and disturbance of upland forest in the UK: testing multiple hypotheses using NPPs and multi-proxy palaeoecology William Fletcher	[SS23-O09 (97)] Paleobotanical evidence for the origins of temperate hardwoods Melanie L. DeVore	[SS05-O08 (496)] A 60,000 year record of vegetation change from Lake Towuti, central Sulawesi , Indonesia Janelle Stevenson	[SS10-O04 (141)] Primexine development in <i>Passiflora racemosa</i> Brot. The hidden side of development Nina Gabarayeva	15:30-15:50

Tuesday, 28 August [PM3] 16:20-17:40 Symposium & General Sessions (Oral)

Time	Room: 5234 [SS42] Neogene global tectonic and climatic change as drivers in plant evolution: linking the palynological, palaeobotanical and molecular records chairs: Alexandre Antonelli Andres Pardo Carina Hoorn	Room: 5333 [SS31] Palynological evidence of past traditional farming systems and pastoralism chair: Jean Nicolas Haas	Room: 5334 [SS23] IOP Presidential Symposium: new concepts and discoveries in plant paleontology chairs: Ruth Stockey Gar Rothwell	Room: 5335 [SS05] Late Quaternary environments in Southeast Asia chair: Janelle Stevenson	Room: 5336 [SS10] Exine development and pattern formation, unifying ultrastructural and genetic approaches chairs: Stephen Blackmore Nina Gabarayeva	Time
16:20-16:40	[SS42-O12 (1)] Palynostratigraphy of the Mid/Late Cretaceous to Cenozoic strata in the Kaikang Trough, Muglad Rift Basin, South Sudan Omer Babiker Abdel Rahim	[SS31-O11 (477)] Diversity and indicator values of fungal spores from surface samples of the Nepal Himalaya Lyudmila S. Shumilovskikh	[SS23-O10 (41)] Whole-plant reconstruction of a Triassic voltzialean conifer from Antarctica Benjamin Bomfleur	[SS05-O09 (101)] Pollen recorded vegetation and climate dynamics since late Quaternary from Deepor wetland-Ramsar site of Assam, Northeast India: in relevance to global climatic events and human impact Swati Dixit	[SS10-O05 (140)] Exine development in <i>Passiflora racemosa</i> Brot.: post-tetrad period. The hidden side of development Nina Gabarayeva	16:20-16:40
16:40-17:00	[SS42-O13 (218)] Geological significances of Late Pliocene - Early Pleistocene palynological assemblages in the Zanda Basin, Tibet (China) Shang-song Jiang	[SS31-O12 (13)] (Cancelled) Landscape reconstruction at the Lachuá Region of the last ~2000 yrs: Maya environmental management implications in Salinas de los Nueve Cerros, Guatemala. Carlos Avendaño	[SS23-O11 (437)] [Keynote] The role of seed cones in resolving the overall pattern of conifer phylogeny Gar W. Rothwell	[SS05-O10 (153)] A combined pollen and phytolith record for post-Siwalik vegetation change in Darjeeling foothill region, eastern Himalaya Ruby Ghosh	[SS10-O06 (590)] Genetic pathways for pollen wall formation in <i>Arabidopsis</i> Zhong-Nan Yang	16:40-17:00
17:00-17:20	[SS42-O14 (185)] A flower of <i>Lunania Hooker</i> (Salicaceae) preserved in the Miocene amber from Simojovel de Allende, Chiapas (Mexico), as evidence for the long history of this genus Ana Lilia Hernández-Damián	[SS31-O13 (80)] Pollen and non-pollen palynomorphs from two Neolithic sites in Wallonia (SE Belgium) Mona Court-Picon			[SS10-O07 (552)] How plants conquered the land: An EvoDevo analysis of the spore wall S. Wallace	17:00-17:20
17:20-17:40	[SS42-O15] [Discussion] Bridging the gap. New methods for integrating biostratigraphic and molecular phylogenetic datasets	[SS31-O14 (246)] A multi-proxy approach to the climate/vegetation/human relationships recorded in a piedmont bog in southern Poland Piotr Kołaczek	[SS23-O12] [Summary and Conclusions] Ruth Stockey		[SS10-O08] [Concluding remarks to Symposium SS10] Stephen Blackmore	17:20-17:40

Wednesday, 29 August [AM1] 9:00-10:20 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS03] Uplift of the Himalaya and its impact on the climatic and biodiversity changes in East Asia chair: Zhekun Zhou	Room: 5234 [SS37] The flora of the Paleogene: diversity, distribution and regional to global responses to changing climates chair: Carlos Jaramillo	Room: 5236 [SS34] Evolutionary history of key taxa and phylogeography of the Jurassic and Cretaceous floras of Eurasia chair: Alexei Herman	Room: 5333 [SS35] Environmental and cultural dynamics of the last 21,000 years, with emphasis on prehistorical agriculture in East Asia and other places of the world chairs: Wei-Ming Wang Hikaru Takahara	Room: 5334 [SS33] Southern Hemisphere floras: unique insights into the biology and ecology of Southern Hemisphere ecosystems chair: David Cantrill	Room: 5336 [SS13] Bridging the Gap between Palynology and Phylogeography: From Ice Core Genetics to Lakebed Sediments chair: Lynn Anderson-Carpenter	Time
9:00-9:20		[SS37-001 (304)] [Keynote] Revisiting the boreotropical forest Steven R. Manchester	[SS34-001 (58)] The Late Jurassic-Early Cretaceous and Paleocene coal-forming plants of Transbaikalia and Far East Eugenia V. Bugdaeva	[SS35-001] [Introduction] «5min» [SS35-002 (508)] [Keynote] Vegetation and fire history in western Japan Hikaru Takahara «35min»	[SS33-001 (333)] Archaeopterid root anatomy and architecture: Evidence from permineralized specimens of Famennian age from Morocco Brigitte Meyer-Berthaud	[SS13-001] [Introduction] Lynn Anderson-Carpenter [SS13-010] (moved from PM3) Glacial survival of boreal trees in northern Scandinavia Tina Jørgensen	9:00-9:20
9:20-9:40	[SS03-001 (491)] [Keynote] Tibet, Monsoons and the vegetation of Asia: When did the Plateau attain its present elevation? Robert Spicer		[SS34-002 (376)] The Mesozoic genus <i>Protophyllocladus</i> Berry (Pinopsida) Natalya Nosova		[SS33-002 (93)] Diversity of Late Devonian plants in Australia: contribution of the permineralized assemblage of Barraba, NSW Anne-Laure Decombeix	[SS13-002 (154)] Insights from combining pollen based postglacial range expansions with spatial distributions of genetic markers Thomas Giesecke	9:20-9:40
9:40-10:00		[SS37-002 (61)] (Cancelled) Raymond John Carpenter [GS03-008] (moved from GS03) First record of a fungal palynomorph “peak” around the probable Oligocene/Miocene boundary, Gulf of Suez, Egypt Haytham El Atfy	[SS34-003 (156)] The origin of boreal angiosperm flora in Northern Asia and the provincial division of the Siberian-Canadian palaeofloristic region in the Late Cretaceous Lina Golovneva	[SS35-003 (281)] Early agriculture and its impact on the landscape in NW China Xiaoqiang Li	[SS33-003 (483)] Cryptic diversity of a <i>Glossopteris</i> forest: Permian silicified peats of the Prince Charles Mountains, Antarctica Ben J. Slater	[SS13-003 (15)] Impact of past environmental changes on the genetic diversity of the remnant natural populations of Cilician fir in Lebanon Lara Awad	9:40-10:00
10:00-10:20	[SS03-002 (343)] Development of Asian monsoon in the Plio-Pleistocene and its impact on species diversity of flora in central Japan Arata Momohara	[SS37-003 (124)] Winged fruits and associated leaves of <i>Shorea</i> from the Late Eocene of South China and their phytogeographic and palaeoclimatic implications Xin-Xin Feng	[SS34-004 (7)] Early Senonian flora of the Western Siberia: phytogeography and climate reconstruction Pavel Alexeev	[SS35-004 (222)] Pollen-based Holocene vegetation and climate in southern Italy: the case of Lago di Trifoglietti Sébastien Joannin	[SS33-004 (170)] Mycorrhizal-like associations in the Permian seed fern <i>Glossopteris</i> from Antarctica Carla J. Harper	[SS13-004 (550)] Integrating fossil data, vegetation modelling and present populations genetic analyses to reconstruct <i>Larix</i> history in Europe: first results Stefanie Wagner	10:00-10:20

Wednesday, 29 August [AM2] 10:50-12:10 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS03] Uplift of the Himalaya and its impact on the climatic and biodiversity changes in East Asia chair: Arata Momohara	Room: 5234 [SS37] The flora of the Paleogene: diversity, distribution and regional to global responses to changing climates chair: Diana Ochoa	Room: 5235 [SS22] Application of digital visualization methods to advance paleobotanical studies chair: Selena Smith	Room: 5236 [SS34] Evolutionary history of key taxa and phytogeography of the Jurassic and Cretaceous floras of Eurasia chair: Lina Golovneva	Room: 5333 [SS35] Environmental and cultural dynamics of the last 21,000 years, with emphasis on prehistorical agriculture in East Asia and other places of the world chair: Hikaru Takahara	Room: 5334 [SS33] Southern Hemisphere floras: unique insights into the biology and ecology of Southern Hemisphere ecosystems chair: Stephen McLoughlin	Room: 5335 [SS24] Detection and characterisation of millennial-scale climate variability in Quaternary pollen records (INQUA IFG ACER symposium) chair: William J. Fletcher	Room: 5336 [SS13] Bridging the Gap between Palynology and Phylogeography: From Ice Core Genetics to Lakebed Sediments chairs: Lynn Anderson-Carpenter Candice Y. Lumibao	Time
10:50-11:10	[SS03-O03 (502)] Miocene flora from Ninghai in eastern Zhejiang and palaeoclimatic implication Bai-Nian Sun	[SS37-O04 (197)] A Late Eocene palynological record of NE Tibet as evidence for xerophytic plant evolution and climatic and tectonic change (Xining Basin, China) Carina Hoorn	[SS22-O01 (152)] Micro CT and 3D analysis reveal complex internal structure in silicified conifer cones from the Late Jurassic Morrison Formation, USA Carole T. Gee	[SS34-O05 (182)] Turonian-Coniacian Arman Flora (North-eastern Russia) and palaeoclimate of the North Asia Alexei B. Herman	[SS35-O05 (118)] The reconstruction of the historic landscape of the Moskva river valley based on palynological data, digital landscape models and climatic series Ekaterina Ershova	[SS33-O05 (414)] Well-preserved impression/compression of <i>Trizygia speciosa</i>, including the first cones and spores of this widespread Gondwanan sphenophyte, from the latest Permian of South Africa Rose Prevec	[SS24-O01 (178)] [Keynote] Detection and characterisation of millennial-scale vegetation and climate variability in Quaternary pollen records from East Asia -recent progress and future perspective Ryoma Hayashi	[SS13-O05 (9)] Ancient DNA from lake sediments: Bridging the gap between paleoecology and genetics Lynn L Anderson-Carpenter	10:50-11:10
11:10-11:30	[SS03-O04 (19)] Uplift of the Himalaya and its impact on the climatic and vegetational changes in the sub Himalayan foothills (Siwalik basins) of India and Bhutan Sudha Gupta	[SS37-O05 (74)] The Eocene flora of Svalbard and its climatic significance Abigail Clifton	[SS22-O02 (457)] Puzzling, configuring and simulating <i>Tobleria biscuspis</i>: Dynamic visualization of the digital 3D model of an Early Permian seed cone Isabel Van Waveren	[SS34-O06 (467)] Taxonomic and palaeoecological implications of mountain floras from the Okhotsk-Chukotka volcanic belts in connection with problem of evolution and expansion of angiosperms Lina Golovneva	[SS35-O06 (561)] Environmental and cultural dynamics, recent development in study on natural background of prehistorical agriculture in Southeast China Wei-Ming Wang	[SS33-O06 (439)] How productive were the polar forests of the Permian and Triassic of Antarctica? Patricia E. Ryberg		[SS13-O06 (299)] Genetic tool for understanding long-term forest changes: analysis of ancient DNA from lakebed sediments Candice Y. Lumibao	11:10-11:30
11:30-11:50	[SS03-O05 (443)] Was East Asian summer monsoon intensified in ca. 3.6-3.0 Ma?: data from palynological study of the Tokai Group, central Japan Takeshi Saito	[SS37-O06 (565)] Testing for the effects and consequences of mid Paleogene climate change on insect herbivory Torsten Wappler	[SS22-O03 (570)] Tomography old and new: comparison of 3D reconstruction techniques for fossil plants Alan R.T. Spencer	[SS34-O07 (341)] New data on the Ust-Emuneret flora from the Upper Cretaceous volcanogenic deposits of Central Chukotka (Northeastern Russia): taxonomic composition, age and palaeoclimate Maria Moiseeva	[SS35-O07 (578)] 30 000-year vegetation and climate change around the East China Sea Shelf inferred from a high resolution pollen record Deke Xu	[SS33-O07 (109)] Micro and megaspore bearing equisetalean fertile shoots in the late Early Permian <i>Glossopteris</i> assemblage of Indian Gondwana Ashalata D'Rozario	[SS24-O02 (476)] Vegetation response to abrupt climate changes in the southern Black Sea region during MIS3, glacial Terminations 1 and 2 Lyudmila S. Shumilovskikh	[SS13-O07 (363)] DNA analysis for identification of a <i>Pinus</i> pollen grain at subsection level from the Belukha glacier, Altai Mountains, Russia Fumio Nakazawa	11:30-11:50
11:50-12:10	[SS03-O06 (424)] Climatic distribution of Eocene China: planetary wind or monsoon-dominated? Cheng Quan	[SS37-O07 (112)] Origin and evolution of Asian Dipterocarps: Evidences from resin chemistry and palynological data Suryendu Dutta	[SS22-O04 (371)] 3D observation of fruit-like organs of two extinct gymnosperm groups from the Late Cretaceous of Hokkaido using MXCT Harufumi Nishida	[SS34-O08 (549)] Cenomanian flora from Primorye region, Russian Far East Elena Volynets	[SS35-O08 (606)] Phytolith analysis for differentiating between foxtail millet (<i>Setaria italica</i>) and green foxtail (<i>Setaria viridis</i>) Jianping Zhang	[SS33-O08 (529)] Early Cretaceous angiosperms of southeastern Australia- no longer early Anne-Marie P. Tosolini	[SS24-O03 (95)] Millennial scale vegetation and climatic variability during past interglacial stages in NW Iberia – A focus on MIS 9 and 11 Stéphanie Desprat	[SS13-O08 (456)] A forest-meadow palaeo-ecosystem in northwestern Greenland recovered by ancient DNA of the Camp Century Ice Core Astrid M. Z. Schmidt	11:50-12:10

Wednesday, 29 August [PM1] 13:30-14:30 Symposium & General Sessions (Poster)

Room: 6302 [SS11][SS12]	Room: 6310 [SS24]	Room: 6317 [SS33][SS34][SS35][SS37]
[SS11-P01 (291)] Reinvestigation of <i>Minarodendron cathaysiense</i> from the Middle Devonian, South China Liu, Le	[SS24-P01 (136)] Vegetation reconstruction in MIS5e and MIS5d based on plant remains from the Mizukiri peat layer, Fukui, western Japan Fujii, Ryota	[SS24-P08 (379)] Environment dynamics at the Eemian/Weichselian transition: palynological data from the central part of the East European Plain Novenko, Elena Yu.
[SS11-P02 (264)] Dark and disturbed or sunny and bright: A new approach to determine early angiosperm habitat Lee, Alexandra	[SS24-P02 (469)] Vegetation change during the latter half of MIS 3 in the Abukuma Highland, Southern Tohoku, Japan Shichi, Koji	[SS24-P09 (46)] Spatial and temporal patterns of dissimilarity between past and present vegetation in Europe in relation to climate changes and human activities Brewer, Simon
[SS11-P03 (579)] A view of the early Early Carboniferous flora of South China Xu, Honghe	[SS24-P03 (207)] Holocene vegetation and climate change in the southern Okhotsk Sea region based on pollen records from the Lake Abashiri, Hokkaido, northern Japan Igarashi, Yaeko	[SS33-P01 (63)] Palynofacies analyses of Lachman Crags Member, Santa Marta Formation (Santonian-Campanian) of the north-west James Ross Island, Antarctica Carvalho, Marcelo de Araujo
[SS12-P01 (365)] Vegetation and climate of late middle Miocene Konan Flora from Shibetsu City, Hokkaido, Japan Matsumoto, Midori	[SS24-P04 (336)] History of vegetation and climate of Sakhalin Island in the Late Pleistocene-Holocene Mikishin, Yury	[SS35-P01 (566)] Vegetation and fire history since the last glacial based on pollen and macroscopic charcoal records in the southern area of Mt. Yufu, northeast Kyushu, Japan Watanabe, Ayaka
[SS24-P05 (609)] Pollen record of late Pleistocene-Holocene vegetation and climate changes from a paleolake in Yili Valley, central Asia Zhao, Keliang	[SS24-P06 (286)] Seasonal cycles of laminated sediments in northern Taiwan inferred by pollen analysis Lin, Ting-Wei	[SS35-P02 (368)] Palaeobiome changes in eastern Asia since 20 kaBP Ni, Jian
[SS24-P07 (247)] Vegetation and wildfires under climate changes between Marine Isotope Substages (MIS) 5e and 5b in central Poland Kolaczek, Piotr	[SS24-P08 (379)] Environment dynamics at the Eemian/Weichselian transition: palynological data from the central part of the East European Plain Novenko, Elena Yu.	[SS35-P03 (533)] (Cancelled) Cultural dynamics in the context of climatic changes: A multidisciplinary case study for the Late Glacial and Final Palaeolithic from Northern Germany Turner, Falko
[SS35-P01 (566)] Vegetation and fire history since the last glacial based on pollen and macroscopic charcoal records in the southern area of Mt. Yufu, northeast Kyushu, Japan Watanabe, Ayaka	[SS35-P02 (368)] Palaeobiome changes in eastern Asia since 20 kaBP Ni, Jian	[SS35-P04 (88)] A palynological study of environmental changes and their implications for prehistoric settlement in NE Romania Danu, Mihaela Aurelia
[SS35-P02 (368)] Palaeobiome changes in eastern Asia since 20 kaBP Ni, Jian	[SS35-P03 (533)] (Cancelled) Cultural dynamics in the context of climatic changes: A multidisciplinary case study for the Late Glacial and Final Palaeolithic from Northern Germany Turner, Falko	[SS35-P05 (605)] Phytolith evidence for rice cultivation and spread in Mid-Late Neolithic archaeological sites in central North China Zhang, Jianping
[SS35-P03 (533)] (Cancelled) Cultural dynamics in the context of climatic changes: A multidisciplinary case study for the Late Glacial and Final Palaeolithic from Northern Germany Turner, Falko	[SS35-P04 (88)] A palynological study of environmental changes and their implications for prehistoric settlement in NE Romania Danu, Mihaela Aurelia	[SS35-P06 (575)] Phytolith evidence of millet agriculture during about 6000-2100 cal. aBP. in the Guanzhong Basin, China Wu, Naiqin
[SS35-P04 (88)] A palynological study of environmental changes and their implications for prehistoric settlement in NE Romania Danu, Mihaela Aurelia	[SS35-P05 (605)] Phytolith evidence for rice cultivation and spread in Mid-Late Neolithic archaeological sites in central North China Zhang, Jianping	[SS35-P07 (470)] Vegetation change and anthropogenic influence during the past 2000 years in the Appi Highland, Northern Tohoku, Japan Shichi, Koji
[SS35-P05 (605)] Phytolith evidence for rice cultivation and spread in Mid-Late Neolithic archaeological sites in central North China Zhang, Jianping	[SS35-P06 (575)] Phytolith evidence of millet agriculture during about 6000-2100 cal. aBP. in the Guanzhong Basin, China Wu, Naiqin	[SS35-P08 (38)] Correlation of vegetation, climatic, and archeological events in the Western Sayan Mountains according to pollen data from the mire Lugovoe (Southern Siberia, Russia) Blyakharchuk, Tatiana Artemevna
[SS35-P06 (575)] Phytolith evidence of millet agriculture during about 6000-2100 cal. aBP. in the Guanzhong Basin, China Wu, Naiqin	[SS35-P07 (470)] Vegetation change and anthropogenic influence during the past 2000 years in the Appi Highland, Northern Tohoku, Japan Shichi, Koji	[SS35-P09 (6)] Late Holocene Older Kurosuna (black humus sand) Event and ecosystem change in Japan Ahn, Sohyeon
[SS35-P07 (470)] Vegetation change and anthropogenic influence during the past 2000 years in the Appi Highland, Northern Tohoku, Japan Shichi, Koji	[SS35-P08 (38)] Correlation of vegetation, climatic, and archeological events in the Western Sayan Mountains according to pollen data from the mire Lugovoe (Southern Siberia, Russia) Blyakharchuk, Tatiana Artemevna	[SS35-P10 (471)] Late Holocene human impact on vegetation changes around Beppu Bay in northeast Kyushu, southwest Japan based on the influx pollen data dated by a wiggle-matching Shimada, Misaki
[SS35-P08 (38)] Correlation of vegetation, climatic, and archeological events in the Western Sayan Mountains according to pollen data from the mire Lugovoe (Southern Siberia, Russia) Blyakharchuk, Tatiana Artemevna	[SS35-P09 (6)] Late Holocene Older Kurosuna (black humus sand) Event and ecosystem change in Japan Ahn, Sohyeon	[SS35-P11 (613)] Land degradation during the Bronze Age in Hexi Corridor (Gansu, China) Zhou, Xinying
[SS35-P09 (6)] Late Holocene Older Kurosuna (black humus sand) Event and ecosystem change in Japan Ahn, Sohyeon	[SS35-P10 (471)] Late Holocene human impact on vegetation changes around Beppu Bay in northeast Kyushu, southwest Japan based on the influx pollen data dated by a wiggle-matching Shimada, Misaki	[SS35-P12 (309)] Pollen morphology of cereals and associated wild relatives: reassessing potentials in tracing agriculture history and limitations Mao, Limi
[SS35-P10 (471)] Late Holocene human impact on vegetation changes around Beppu Bay in northeast Kyushu, southwest Japan based on the influx pollen data dated by a wiggle-matching Shimada, Misaki	[SS35-P11 (613)] Land degradation during the Bronze Age in Hexi Corridor (Gansu, China) Zhou, Xinying	[SS37-P01 (525)] Late Cretaceous and Paleogene forests and climate in Antarctica: signals from fossil wood Tilley, Laura
[SS35-P11 (613)] Land degradation during the Bronze Age in Hexi Corridor (Gansu, China) Zhou, Xinying	[SS35-P12 (309)] Pollen morphology of cereals and associated wild relatives: reassessing potentials in tracing agriculture history and limitations Mao, Limi	[SS37-P02 (161)] Carbon isotopic analysis of Southern beech (<i>Nothofagus</i>) pollen reveals shifts in Antarctic hydrology during the late Eocene Nelson, David M.
[SS35-P12 (309)] Pollen morphology of cereals and associated wild relatives: reassessing potentials in tracing agriculture history and limitations Mao, Limi	[SS37-P03 (62)] Palynological analysis from Ligorio Márquez Formation (46°45' S), Paleogene, Chile Carvajal, Francy Milena	[SS37-P04 (331)] A bristlecone pine forest from the early Oligocene of southwestern New Mexico, USA: Evidence for vegetation response to the Eocene-Oligocene transition in interior North America Meyer, Herbert W.
[SS37-P01 (525)] Late Cretaceous and Paleogene forests and climate in Antarctica: signals from fossil wood Tilley, Laura	[SS37-P02 (161)] Carbon isotopic analysis of Southern beech (<i>Nothofagus</i>) pollen reveals shifts in Antarctic hydrology during the late Eocene Nelson, David M.	[SS37-P05 (332)] Paleobotanical and pollen evidence from the Antero Formation (Colorado, USA) for climate and floral change during the Eocene-Oligocene transition Meyer, Herbert W.
[SS37-P02 (161)] Carbon isotopic analysis of Southern beech (<i>Nothofagus</i>) pollen reveals shifts in Antarctic hydrology during the late Eocene Nelson, David M.	[SS37-P03 (62)] Palynological analysis from Ligorio Márquez Formation (46°45' S), Paleogene, Chile Carvajal, Francy Milena	
[SS37-P03 (62)] Palynological analysis from Ligorio Márquez Formation (46°45' S), Paleogene, Chile Carvajal, Francy Milena	[SS37-P04 (331)] A bristlecone pine forest from the early Oligocene of southwestern New Mexico, USA: Evidence for vegetation response to the Eocene-Oligocene transition in interior North America Meyer, Herbert W.	
[SS37-P04 (331)] A bristlecone pine forest from the early Oligocene of southwestern New Mexico, USA: Evidence for vegetation response to the Eocene-Oligocene transition in interior North America Meyer, Herbert W.		

Wednesday, 29 August [PM2] 14:30-15:50 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS03] Uplift of the Himalaya and its impact on the climatic and biodiversity changes in East Asia chair: Zhekun Zhou	Room: 5234 [SS37] The flora of the Paleogene: diversity, distribution and regional to global responses to changing climates chair: Monica Carvalho	Room: 5235 [SS22] Application of digital visualization methods to advance paleobotanical studies chair: Selena Smith	Room: 5333 [SS35] Environmental and cultural dynamics of the last 21,000 years, with emphasis on prehistorical agriculture in East Asia and other places of the world chair: Wei-Ming Wang	Room: 5334 [SS33] Southern Hemisphere floras: unique insights into the biology and ecology of Southern Hemisphere ecosystems chair: David Cantrill	Room: 5335 [SS24] Detection and characterisation of millennial-scale climate variability in Quaternary pollen records (INQUA IFG ACER symposium) chair: Stephanie Desprat	Room: 5336 [SS13] Bridging the Gap between Palynology and Phylogeography: From Ice Core Genetics to Lakebed Sediments chair: Candice Y. Lumibao	Time
14:30-14:50	[SS03-O07 (398)] Late Quaternary climate on the basis of pollen and diaspores from Kathmandu Basin, Nepal Khum Narayan Paudyal	[SS37-O08 (186)] Neotropical carpofloras reveal the floristic and biogeographic evolution of Paleocene to Miocene (~60 to 19 Ma) vegetation Fabiany Herrera	[SS22-O05 (358)] 3D reconstruction of a coleopteran pupa in a reproductive organ of extinct gymnosperm from the Upper Cretaceous of Hokkaido, Japan Arimasa Murata	[SS35-O09 (474)] Contrasting human's role in Holocene vegetation history in the lower Yangtze River, east China and Aso Caldera, southwest Japan: evidence from pollen, phytolith and charcoal data Jun-wu Shu	[SS33-O09 (67)] [Keynote] Southern Hemisphere hot spring floras: Devonian to recent Alan Channing	[SS24-O04 (127)] Detection of Dansgaard-Oeschger-like climate variability during Marine Isotope Stages 8 and 9 a-c (240 to 310 ka) at Tenaghi Philippon, NE Greece William J. Fletcher	[SS13-O09 (148)] [Keynote] A multidisciplinary characterization of a Pleistocene refugium in the interior Pacific Northwest of North America Feng Sheng Hu	14:30-14:50
14:50-15:10	[SS03-O08 (33)] Palaeoclimatic implications of the late Quaternary plant macrofossils from the Kathmandu Valley, central Nepal Sudarshan Bhandari	[SS37-O09 (91)] Extinction component of Cenozoic plant diversity in the Neotropics Felipe de la Parra	[SS22-O06 (45)] Three-dimensional modeling of termite galleries in Cretaceous silicified wood Lisa D. Boucher			[SS24-O05 (546)] Climatic dissymmetry and millennial/century pacing in pollen/spores records from Northern South America César A. Velásquez R		14:50-15:10
15:10-15:30	[SS03-O09 (135)] Long climatic record during the last 700 kyr revealed by pollen and charcoal analyses on the lacustrine sediments of the Paleo-Kathmandu Lake, the central Himalaya Rie Fujii	[SS37-O10 (40)] Diversification patterns in <i>Ephedra</i> (Gnetales) based on morphological studies of fossil and recent pollen Kristina Bolinder	[SS22-O07 (234)] Reconstructing large plants from fossilized fragments: a laser scanning approach David Steart		[SS33-O10 (551)] A spore-pollen record of Early Cretaceous southern high palaeolatitude climate and vegetation variability Barbara E. Wagstaff	[SS24-O06 (31)] Pollen evidence for a cool, dry Younger Dryas and warm, wet Early Holocene in the Southeastern United States Christopher E. Bernhardt	[SS13-O10] (move to AM1)	15:10-15:30
15:30-15:50	[SS03-O10 (577)] The Neogene vegetation and climate of Central Yunnan, SW China Yaowu Xing	[SS37-O11 (564)] Evolution of insect-mediated pollination indicated by Palaeogene flowers and insects from Central Europe Torsten Wappler	[SS22-O08 (75)] Digital visualisation of fossil fruits and seeds from the Eocene Messel oil shale Margaret E. Collinson		[SS33-O11 (325)] The opalized mid-Cretaceous ecosystem of Lightning Ridge, eastern Australia Stephen McLoughlin	[SS24-O07 (39)] Postglacial change in the vegetation and climate of western Siberia and mountains of southern Siberia based on palaeopalynological data Tatiana Artemevna Blyakharchuk		15:30-15:50

Wednesday, 29 August [PM3] 16:20-17:40 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS03] Uplift of the Himalaya and its impact on the climatic and biodiversity changes in East Asia chair: Arata Momohara	Room: 5234 [SS37] The flora of the Paleogene: diversity, distribution and regional to global responses to changing climates chair: Diana Ochoa	Room: 5235 [SS22] Application of digital visualization methods to advance paleobotanical studies chairs: Selena Smith Margaret Collinson	Room: 5333 [GS04] Quaternary palynology and botany chair: Jun-wu Shu	Room: 5334 [SS33] Southern Hemisphere floras: unique insights into the biology and ecology of Southern Hemisphere ecosystems chair: Alan Channing	Room: 5335 [SS24] Detection and characterisation of millennial-scale climate variability in Quaternary pollen records (INQUA IFG ACER symposium) chair: William J. Fletcher	Time
16:20-16:40	[SS03-O11 (295)] A novel palaeoaltimetry proxy based on spore and pollen wall chemistry Barry Lomax	[SS37-O12 (189)] Palaeogene legacies to the biogeography of southern South American forest Luis Felipe Hinojosa	[SS22-O09 (133)] Returning to old friends: reexamination of <i>Silvianthemum suecicum</i> using SXRTM Else Marie Friis	[GS04-O04 (238)] Estimating crop yield of rice in Japan during Yayoi period by experimental cultivation Yukiko Kikuchi	[SS33-O12 (323)] Mid-Cretaceous south polar palynology & floristic trends of the Tupuangi Formation, Chatham Islands, New Zealand Chris Mays	[SS24-O08 (287)] A 500,000-year-long continental pollen record of Lake Van in eastern Anatolia Thomas Litt	16:20-16:40
16:40-17:00	[SS03-O12 (203)] Palaeoelevation of Yunnan during the late Miocene Yongjiang Huang	[SS37-O13 (64)] Malvaceae and Menispermaceae from the mid-late Paleocene Neotropical rainforests of Northern South America Mónica R. Carvalho	[SS22-O10 (306)] Microscopy and the recovery of morphological information from pollen grains Luke Mander	[GS04-O05 (339)] Recent fire events and sedimentary charcoal records from small basins in the Eda-jima Island, Hiroshima Bay, southwestern Japan Nao Miyake	[SS33-O13 (143)] Aquatic plant communities from the Upper Cretaceous La Colonia Formation, Patagonia, Argentina María A. Gandolfo	[SS24-O09 (527)] A new Pleistocene climate record from the Northern Andes Vladimir Torres	16:40-17:00
17:00-17:20	[SS03-O13 (489)] The Middle Eocene to Early Miocene integrated sedimentary record in the Qaidam Basin and its implications for paleoclimate and early Tibetan Plateau uplift Bowen Song		[SS22-O11 (485)] Seed morphology and evolution in Zingiberales: insights from SRXTM Selena Y. Smith	[GS04-O06 (417)] Applying an informational-statistical method to studying polygenetic burozems of the southern Far East of Russia (based on palynological data) Marina Lyashchevskaya	[SS33-O14 (262)] Cretaceous plant mega- and meso- fossils from James Ross Island, Antarctica Jiří Kvaček		17:00-17:20
17:20-17:40	[SS03-O14 (201)] The relationship between atmospheric pCO₂ and stomatal frequency in <i>Quercus pannosa</i> and its application to paleoelevation reconstruction Jin-Jin Hu		[SS22-O12] [General discussion]	[GS04-O07 (348)] Modern vegetation and subrecent pollen spectra from the Lena River Delta, Russian Arctic Elena Morozova			17:20-17:40

Thursday, 30 August [AM1] 9:00-10:20 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS12] East Asian vegetational responses in the critical climate change events of the Cenozoic chair: Yusheng (Christopher) Liu	Room: 5234 [SS37] The flora of the Paleogene: diversity, distribution and regional to global responses to changing climates chairs: Monica Carvalho Diana Ochoa	Room: 5235 [SS09] Quantifying Cenozoic vegetation – new developments in standardized approaches (a joint ROCEEH and NECLIME symposium) chair: Angela A. Bruch	Room: 5334 [SS33] Southern Hemisphere floras: unique insights into the biology and ecology of Southern Hemisphere ecosystems chair: Stephen McLoughlin	Room: 5336 [SS11] Paleozoic Plant Physiology chair: Cindy V Looy	Time
9:00-9:20	[SS12-O01 (30)] Plant remains from the Siwalik successions (Middle Miocene to lower Pleistocene) of Arunachal sub-Himalaya and their bearing on palaeoclimate and phytogeography Subir Bera	[SS37-O14 (486)] Late Eocene-early Oligocene vegetation changes in southwest Montana inferred from combined phytolith and paleosol analysis Selena Y. Smith	[SS09-O01] [Introduction] Quantifying Cenozoic vegetation – new developments in standardized approaches Angela A. Bruch	[SS33-O15 (68)] The palynology and megaspores of Cretaceous (Aptian) high latitude, vertebrate-bearing fluvial sediments from the Gippsland Basin, south-eastern Australia Katherine E. Charlton	[SS11-O01 (217)] An aneurophytalan plant from the Middle Devonian of North Xinjiang, China Qing Jiang	9:00-9:20
9:20-9:40	[SS12-O03 (482)] <i>(move to GS-03, 27PM3)</i> Ecostratigraphy of the Subathu Formation of Jammu region, Jammu Yengkhom Raghmani Singh	[SS37-O15 (60)] Inga (Leguminosae: Mimosoideae) and Bursera (Burseraceae) leaves from the Middle Eocene La Carroza Formation. L. Calvillo-Canadell	[SS09-O02 (542)] Further steps towards a management of the bias between vegetation and sedimentary fruit and seed assemblages Elena Vassio	[SS33-O16 (16)] An early Eocene macrofossil flora from the Mwadui kimberlite pipe, Tanzania Marion K. Bamford	[SS11-O02 (110)] On the worldwide success of the lycopod genus <i>Pleuromeia</i> after the end-Permian biotic crisis I.A.P. Duijnste	9:20-9:40
9:40-10:00	[SS12-O02 (425)] Justification, validation, and implication of aridity index for paleoclimate Cheng Quan	[SS37-O16 (188)] Eocene <i>Bowenia</i> (Zamiaceae) macrofossils from far southern latitudes in Australia Kathryn Hill	[SS09-O03 (252)] Integrated Plant Record (PR) vegetation analysis validated by application to modern vegetation types in China and Japan Johanna Kovar-Eder	[SS33-O17 (495)] Is southern Africa different? An investigation of the relationship between leaf: physiognomy and climate in southern African mesic vegetation David C. Steart	[SS11-O03 (573)] Mathematical and geochemical approaches to the physiology and biomechanics of Paleozoic plants Jonathan P. Wilson	9:40-10:00
10:00-10:20	[SS12-O04 (500)] Paleovegetation in response to Neogene climate change in the Hengduan Mountains, SW China Tao Su		[SS09-O04 (209)] Palaeovegetation reconstruction in monsoonal regions Frédéric MB Jacques		[SS11-O04 (108)] Diversity of the tree fern <i>Psaronius</i> from Upper Permian sediments of Yunnan Province, southwest China and its palaeoecological significance Ashalata D'Rozario	10:00-10:20

Thursday, 30 August [AM2] 10:50-12:10 Symposium & General Sessions (Oral)

Time	Room: 5233 [SS12] East Asian vegetational responses in the critical climate change events of the Cenozoic chair: Cheng Quan	Room: 5234 [GS03] Cenozoic palynology and botany chair: Takeshi Saito	Room: 5235 [SS09] Quantifying Cenozoic vegetation – new developments in standardized approaches (a joint ROCEEH and NECLIME symposium) chair: Elena Vassio	Room: 5334 [GS01] Paleozoic palynology and botany chair: Ronny Rößler	Time
10:50-11:10	[SS12-O05 (206)] Reconstruction of latest Miocene to Pliocene terrestrial paleoenvironments based on sedimentary facies and pollen assemblages from the Aizu-yanaizu area, Fukushima, northeast Japan Kaori Igarashi	[GS03-O06 (224)] Sclerophylls, open vegetation and no fire. The past breaks a paradigm of the present Greg Jordan	[SS09-O05 (539)] Anomalies in Cenozoic vegetational gradients on both sides of the North Atlantic - induced by Gulf Stream intensity? Torsten Utescher	[GS01-O05 (344)] <i>Aneurophyton germanicum</i> (Aneurophytales - Progymnosperms) from the Middle Devonian of Belgium and Germany Nicolas Momont	10:50-11:10
11:10-11:30	[SS12-O06 (294)] Vegetation change across the Eocene-Oligocene Transition (EOT): a case study from southern China Yusheng (Christopher) Liu	[GS03-O07 (433)] Palynostratigraphy of the Eocene Esmeraldas Formation, Middle Magdalena Valley Basin, Colombia Guillermo Rodríguez	[SS09-O06 (53)] Quantifying openness of palaeovegetation with modern LAI data – an attempt towards a new approach Angela A. Bruch	[GS01-O06 (111)] The tetrastichian clade of hydrasperman seed ferns Michael T. Dunn	11:10-11:30
11:30-11:50	[SS12-O07 (164)] Vegetation responses in the critical climate change events of the Cenozoic sedimentary successions in the Ganga Basin, India Sudha Gupta			[GS01-O07 (479)] A preliminary study on the Carboniferous medullosan pollen organs from the Upper Silesian Basin (Czech Republic) Zbyněk Šimůnek	11:30-11:50
11:50-12:10	[SS12-O08 (216)] Late Miocene Fagaceae fruits and leaves from Zhejiang, Eastern China and their palaeoclimatic significance Hui Jia				11:50-12:10