

PALYNOS

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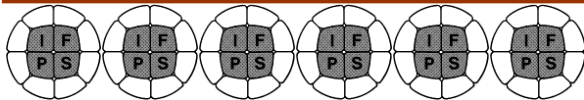
Volume 46 (1) – 2023

NEWSLETTER OF THE INTERNATIONAL FEDERATION OF PALYNOLOGICAL SOCIETIES

<http://palyno-ifps.com/>

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IFPS BUSINESS

XV INTERNATIONAL PALYNOLOGICAL CONGRESS (IPC) / XI INTERNATIONAL ORGANIZATION OF PALAEOBOTANY CONFERENCE (IOPC), PRAGUE, CZECH REPUBLIC, MAY 27–31, 2024

CALL FOR SYMPOSIA, WORKSHOPS AND REGISTRATION DATES

It is our pleasure to invite for proposals for symposia and workshops for the joint IPC/IOPC Meeting at the Clarion Conference Hotel, Prague, Czech Republic.

We invite proposals for symposia and workshops until **August 30th, 2023**.

Proposed symposia could come from various disciplines such as Palynology, Palaeobotany, Palaeoecology, Palaeoclimatology, Actinopalynology, Biostratigraphy, Plant taxonomy, Plant morphology, Cell biology, Aerobiology, Allergology, Melissopalynology, Forensic palynology, etc. We also welcome symposium proposals including leading-edge techniques.

If you are interested in organizing a symposium, please prepare a “pre-proposal” that briefly describes the symposium in English. This pre-proposal should include the followings. Please use following scheme to submit the pre-proposal.

1. A descriptive title
2. One or two paragraphs explaining the purpose of the symposium
3. A tentative list of speakers (unconfirmed), their institutions or affiliations, and preliminary presentation titles

We will accept only one symposium proposal from each individual. The length of the talk is 15 minutes plus 5 minutes for discussion. Please send the pre-proposal to the program committee (ipciopc2020@seznam.cz) and use the subject heading IPC/IOPC 2024 Symposium proposal.

The program committee will review the proposals and may make a suggestion in view of the organization of whole symposia. For example, the committee may request merging of proposed symposia with similar topics. We also welcome workshop proposals. Now we

have 35 approved symposia from 2020 (enlisted in the appendix at the end of this PALYNOS newsletter, [see pages 10–11](#)).

Terms of registration and registration fees (which will start in 1st September 2023):

PRE-EARLY REGISTRATION

450 € / 350 € for students: Sept. 1–30, 2023.

EARLY REGISTRATION

490 € / 390 € for students: Oct. 1 – Nov. 30, 2023.

REGULAR REGISTRATION

590 € / 490 € for students: Dec. 1 – March 30, 2024.

LATE / ONSITE REGISTRATION

690 € / 590 € for student: April 1 – May 31, 2024.

Deadline for abstract submission is December 1st, 2023!

Please follow our conference webpage, for all news: <https://www.prague2020.cz/index.php>

We look forward to seeing you,

The Organizing committee of XVth IPC / XIth IOPC Prague 2024.

VENUE FOR IPC XVI (2028)

Although the excitement builds for IPC-XV/ IOPC-XI (2024) in Prague, we must begin thinking about the venue for IPC XVI (2028). The venue location will be chosen by a vote of the Council of the IFPS (consisting of the IFPS board of Officers and all Councillors) at the IPC/IOPC in Prague in May 2024, based on invitations submitted by the affiliated societies of the IFPS.

We therefore publish this **call for proposals for IPC XVI (2028)**.

The International Organization for Palaeobotany (IOP), with whom we often share our meetings, will also publish a similar call.

If you are interested in hosting the 2028 meeting, please contact the President of IFPS Jean Nicolas Haas (Jean-Nicolas.Haas(at)uibk.ac.at) and commence discussions.

Deadline for submission of IPC-2018-Proposals is December 15, 2023!

Conference Proposals will thereafter be published in the December 2023 issue of PALYNOS, and are supposed to be presented orally by the planned organizers during the IPC Council meeting at the IPC/IOPC in Prague in May 2024, followed by a vote for the 2028 location by the board and councillors of the IFPS.

IFPS STUDENT FUNDING FOR THE XV IPC, Prague, Czech Republic, May 27–31, 2024

The International Federation of Palynological Societies (IFPS) has agreed to support student participation at the upcoming IPC-XV to be held in Prague, Czech Republic. Funding will be awarded to Master and Ph.D. students presenting palynological results at IPC-XV (oral or poster) and which are members of one of the IFPS affiliated societies in 2024. The IFPS board will review and evaluate all applications according to the quality of the submitted abstracts and the scientific merits of the candidates. Thus, and as for the Salvador-IPC in 2016, IFPS intends to sponsor up to 20 students with a 400 Euro contribution towards the cost of attending the conference. Students wishing to apply should e-mail (preferably as a pdf) a

- *one-page covering letter, a Short-CV (maximum one page), and the submitted talk/poster abstract*

to James B. Riding (IFPS Secretary-Treasurer: jbri@bgs.ac.uk).

The covering letter should briefly explain which IFPS affiliated organisation the student is a current (2024) member of, other sources of funding for conference attendance (secured or being sought), and why the additional funding is necessary. Personal presence at the IPC-XIV is a prerequisite, as awards will be presented at the conference only.

Applications should arrive before **March 30, 2024**.

IFPS SURVEY: STORAGE OF PALYNOLOGICAL RESOURCES

As mentioned in the last PALYNOS newsletter, the IFPS board was contacted by several researchers asking about the existence and/or necessity of a directory or list of public and/or private palynological reference collections held by research groups around the globe, or the procedure for storing already analysed palynological slides from historical or landmark sequences. As this is something we believe can be of wide interest within the palynological discipline, we have created a voluntary survey for palynologists or whoever wants to participate. The anonymous questionnaire will take you around 3-4 minutes to complete, will be open until the next 30th November 2023, and allows you the possibility of including your email in case you want to be kept updated about the results. We would like to encourage palynologists to fill the survey for our own community (so far, we have received a total of 5 answers from the entire PALYNOS audience 😊).

You can find the survey in the link below:
<https://forms.office.com/e/Cy9tf1c2qA>

or in this QR code:



Encarni Montoya, PALYNOS editor, on behalf of several palynology experts.

Email: [encarnacionmontoya\(at\)gmail.com](mailto:encarnacionmontoya(at)gmail.com)

NEW IFPS COUNCILLOR

We would like to give a warm welcome to our new board member William Gosling, who is from now on the IFPS councillor for the Palynologische Kring (PK; the palynological society of The Netherlands)! Please see below a brief introduction of himself, his new role and contact details.

In addition, many thanks here to Timme Donders, who acted as IFPS councillor for the PK since 2016.

WILLIAM GOSLING – PK



William D. Gosling, chair (voorzitter) of the Dutch Palynological Society (Palynologische Kring), is a palaeoecologist and biogeographer interested in understanding past ecosystem function. He completed his PhD at the University of Leicester (2004) looking at pollen-vegetation relationships in tropical lowland South America, he then moved to Florida Institute of Technology as a post-doctoral researcher investigating vegetation change in the Andes. In 2005 he was appointed at The Open University where he expanded his tropical research to also cover Africa. In 2014 William moved to the University of Amsterdam where he was promoted to full Professor in 2022. He enjoys teaching both undergraduate and post-graduate courses in palaeoecology and is the current head of the Department of Ecosystem & Landscape Dynamics.

Email: [W.D.Gosling\(at\)uva.nl](mailto:W.D.Gosling(at)uva.nl)

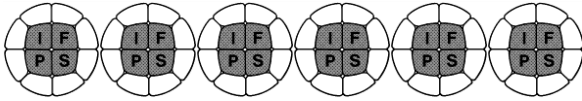
Websites of interest:

Palynologische Kring: <https://www.palynologischekring.nl/>
University of Amsterdam:

<http://www.uva.nl/profile/w.d.gosling>

Research group blog “Ecology of the past”:

<http://www.ecologyofthepast.info>



NEWS FROM THE DUTCH PALYNOLOGICAL SOCIETY (PK)



Palynologische Kring
Koninklijk Nederlands Geologisch en Mijnbouwkundig Genootschap

ANNUAL FLORSCHÜTZ AWARD: PRIZE FOR DUMPING BODIES IN DUTCH FORESTS

The Dutch Palynological Society (Palynologische Kring) is delighted to announce the winner of the annual Florschütz award for best MSc research thesis 2022. The award was given to Kelly van Leeuwen, an MSc Earth Sciences student at the University of Amsterdam (UvA). Kelly's research was conducted in collaboration between the Institute for Biodiversity & Ecosystem Dynamics (UvA) and the Netherlands Forensic Science Institute (NFI). The project, entitled "Using soil samples and footwear to improve forensic palynology", sought to better understand where around a crime scene environmental samples could be taken to get the best possible match with samples recovered from the footwear of a (potential) perpetrator. To achieve this Kelly simulated crime scenes across the Netherlands by driving to remote car parks and dumping a "body" in the forest nearby. She found that distance along the route walked by the perpetrator was not a strong determinant in the match to the environmental signal, but that the degree to which the soil was exposed was. The project was commended by the panel of experts for its novel and innovative contribution to forensic palynology.



Figure 1. Kelly van Leeuwen explaining her MSc research to the Dutch Pollen Society (June 2023).

The prize was awarded by an independent panel of experts: Prof. dr. Corrie Bakels (University of Leiden), Prof. dr. Henry Hooghiemstra (UvA), Prof. dr. Han van Konijnenburg (Utrecht University/University of Leiden), and Prof. dr. Henk Visscher (Utrecht University). The project was supervised by: Prof. dr. William Gosling (UvA) and Dr. Stefan Uitdehaag (NFI).

*William D. Gosling
Dutch palynological Society (PK)
Email: W.D.Gosling(at)uva.nl*

THE JONGMANS MEDAL: PROF. MARGARET COLLINSON HONOURED BY THE DUTCH PALYNOLOGICAL SOCIETY

In 2022 the Dutch Palynological Society (Palynologische Kring) awarded its highest honour, the **Jongmans Medal**, to Prof. Margaret Collinson (Royal Holloway, University of London). The medal was given

for her lifetimes service to palynology. In a career spanning nearly 50 years Margaret has published over 180 scientific papers and book chapters, and her co-authored “Pollen Analysis” text book and pollen atlas (Moore et al., 1991) remains a standard work in the field. She spanned many aspects of palynology and palaeobotany, including focus on her favourite plant – *Azolla*, plant-insect interactions, and fruits and seeds of the Paleogene. She continues to be involved in scientific research with recent work focused on unravelling evolutionary processes in Brassicaceae (Arshad et al., 2021). We congratulate Margaret on a diverse and influential career and wish her all the best for the future.

The Jongmans Medal was presented, on behalf of the Palynologische Kring, by Hans Kerp (Münster) during the 11th European Palaeobotany and Palynology Conference in Stockholm (22 July 2022).

See also

<https://palaeobotany.org/index.php/2022/07/14/congratulations-to-prof-margaret-collinson-on-being-awarded-the-jongmans-medal-2022/>

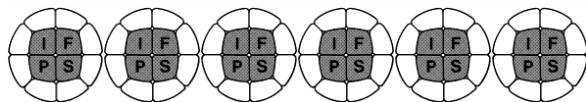
References

- Arshad, W., Lenser, T., Wilhelmsson, P.K., Chandler, J.O., Steinbrecher, T., Marone, F., Perez, M., Collinson, M.E., Stuppy, W. & Rensing, S.A. (2021) A tale of two morphs: developmental patterns and mechanisms of seed coat differentiation in the dimorphic diaspore model *Aethionema arabicum* (Brassicaceae). *The Plant Journal* 107, 166-181.
- Moore, P.D., Webb, J.A. & Collinson, M.E. (1991) *Pollen analysis*, 2nd edn. Blackwell Scientific, Oxford.

William D. Gosling

Dutch palynological Society (PK)

Email: W.D.Gosling(at)uva.nl



NEWS AND ANNOUNCEMENTS

NEW BOOK:

QUATERNARY VEGETATION DYNAMICS OF EUROPE

**BY GERHARD LANG,
BRIGITTA AMMANN, KARL-
ERNST BEHRE & WILLY
TINNER (EDS.)**

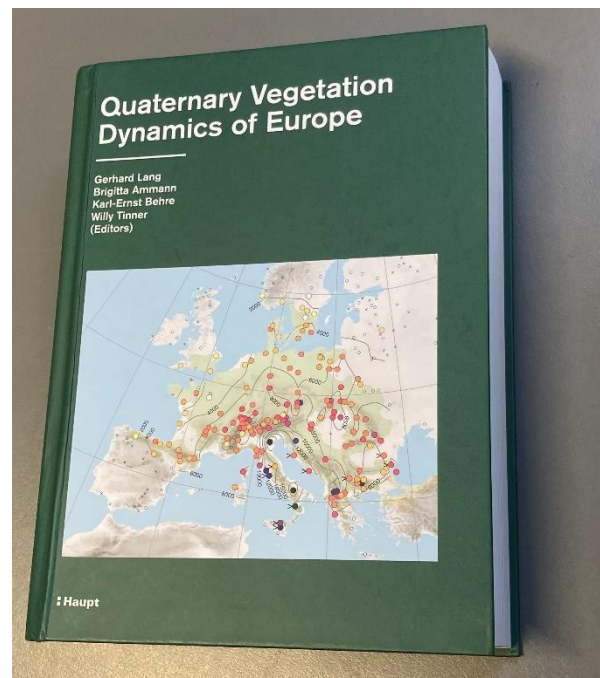


Figure 1. Book cover of “Quaternary Vegetation Dynamics of Europe”.

After 17 years of intense preparation, this comprehensive work on the vegetation history of Europe – dealing on 688 pages (including 287 figures, 45 tables, and more than 3000 references) with the last 2.6 million years – has finally been published in 2023 by Haupt Publishers, Bern, Switzerland.

The 4 editors and 21 co-authors have compiled a text book of its own, which will help the current and next generation of ecologists,

palaeoecologists, and palynologists to understand in details the complex interactions between geology, soil conditions, altitude, climate, anthropogenic action in terms of the , long-term development of the extant flora and vegetation of Europe. It is the first palaeoecological overview for all of Europe, and summarises more than 100 years of research in this field.

The printed book (ISBN: 978-3-258-08214-1; 120 Euro) can be ordered at:

<https://www.haupt.ch/buecher/natur-garten/quaternary-vegetation-dynamics-of-europe.html>

and an E-Book-PDF (ISBN: 978-3-258-48214-9; 110 Euro) – presumably especially interesting for students – is also available for orders at:

<https://www.haupt.ch/apps-e-books/e-books/quaternary-vegetation-dynamics-of-europe.html>

The International vernissage of this outstanding book took place at the INQUA Congress in Rome, Italy, on July 18, 2023, and revealed a strong interest by the congress participants, given that many attendees were waiting for this book for a long time.



Figure 2. Presentation of the new printed book and E-Book-PDF “*Quaternary Vegetation Dynamics of Europe*” by one of the editors, Prof. Willy Tinner (left), as well as one of the co-authors, Dr. Christoph Schwörer (centre) to Prof. Hermann Behling, councillor of AVRTG at the IFPS, and to Dr. Lyudmila Shumilovskikh, former editor of the INQUA newsletter *Quaternary Perspectives* (right) at the INQUA Congress in Rome, July 2023 (Photo J.N. Haas).

Jean Nicolas Haas, President of the IFPS
[Jean-Nicolas.Haas\(at\)uibk.ac.at](mailto:Jean-Nicolas.Haas(at)uibk.ac.at)

FUTURE MEETINGS

2023

2023 32TH MEETING OF THE VEGETATION HISTORY WORKING GROUP OF THE REINHOLD-TÜXEN-SOCIETY (AVRTG), INNSBRUCK, AUSTRIA, SEPTEMBER 28 – 30, 2023

The next Meeting of the *Vegetation History Working Group of the Reinhold-Tüxen-Society (Arbeitskreis für Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft, AVRTG)* will take place from September 28-30, 2023, in Innsbruck, Austria. More information available from the organizer Jean Nicolas Haas, president of the IFPS, at: [Jean-Nicolas.Haas\(at\)uibk.ac.at](mailto:Jean-Nicolas.Haas(at)uibk.ac.at)

2023 XVI SIMPOSIO BRASILEÑO DE PALEOBOTÁNICA Y PALINOLOGÍA (SBPP), SÃO LEOPOLDO, BRAZIL, OCTOBER 17–20, 2023

The Brazilian Symposium on Palaeobotany and Palynology will take place at São Leopoldo, at the University of Vale do Rio dos Sinos (UNISINOS). More information at: <https://www.even3.com.br/xvisbpp2023/>

2023 THE MICROPALAEONTOLOGICAL SOCIETY ANNUAL CONFERENCE 2023, NOVEMBER 15–17, UNIVERSITY OF SOUTHAMPTON, UK

The TMS Annual Conference 2023 will be hosted from 15-17th November, 2023 at the University of Southampton. Workshops and an icebreaker will be held on Wednesday 15th, with the conference taking place on the 16th and 17th. If you would like to propose a workshop, please contact Bhakti (our Events Secretary) at events@tmsoc.org. More information will be available soon at: <https://www.tmsoc.org/events/tms-agm-2023/>

2024

2024 XV IPC / XI IOPC MEETING, PRAGUE, CZECH REPUBLIC, MAY 27–31, 2024

The organizing committee of XVIth IPC/XIth IOPC Prague 2024, May 27-31st has some news for you. You may know that the Conference had to be postponed from 2020 to May 2024 due to the global Covid pandemic. The place will be the same – the Clarion Conference Hotel in Prague: [Clarion Congress Hotel Prague](#), one of the largest and most modern congress hotels in the Czech Republic.

We have prepared several field-trips to see Paleozoic to Quaternary strata. More than 35 symposia and workshops will cover all aspects of palaeo- and actinopterygology and palaeobotany. **Deadline for abstract submission is December 1st, 2023!**

Please see page 1 and 2 of this PALYNOS issue, or follow our conference webpage, for all news:

<https://www.prague2020.cz/index.php>

2024 WORLD AEROBIOLOGY 2024: 8TH EUROPEAN SYMPOSIUM ON AEROBIOLOGY / 12TH INTERNATIONAL CONGRESS ON AEROBIOLOGY / 5TH INTERNATIONAL RAGWEED CONFERENCE, VILNIUS, LITHUANIA, JULY 1–5, 2023

The World Aerobiology 2024 Conference will take place in Vilnius, Lithuania, and will be organized by Prof. Ingrida Sauliene and the Lithuanian Aerobiology Team from July 1st to July 5th, 2024. Practical information on the registration procedure and deadlines will follow soon. Please check <https://iaaerobiology.wordpress.com/events/congress/> for upcoming news.

2024 INTERNATIONAL BOTANICAL CONGRESS, MADRID, SPAIN, JULY 21–27, 2024

Earlier this year it was announced that due to the pandemic the next International Botanical Congress will be delayed one year and held in Madrid, Spain in July 2024. The dates for the rescheduled Botanical Congress are as follows:

- Nomenclature Section, July 15-19, 2024
- Congress, July 21-27, 2024

The officers of the IBC Organizing Committee are Gonzalo Nieto Feliner (President), Juan Carlos Moreno (Vice-President) and Marcial Escudero (General Secretary). The organizing team has been working hard to form the necessary planning committees, hire the conference venue and conference management team, and prepare a website to provide details on the upcoming Congress. The Congress website is now live and additional details about the Congress will be added as they become available: <https://ibcmadrid2024.com/>

Information about the members of the Organizing Committee, Scientific Program Committee, and Advisory Committee can be found on the website. Also, the list of approved symposia as well as the confirmed speakers have been already published on the website. Abstract submission and registration are planned to be open in September.

The organizers look forward to welcoming everyone to Madrid in July, 2024!

2024 THE 37TH INTERNATIONAL GEOLOGICAL CONGRESS (IGC), BUSAN, REPUBLIC OF KOREA, AUGUST 25–31, 2024

The 37th International Geological Congress will take place at, Busan, Republic of Korea, from August 25–31, 2024, at the Busan Exhibition & Convention Center (BEXCO). Details can be found at:

http://www.igc2024korea.org/2024/english/main/index_en.asp

2025

2025 20TH CONFERENCE OF THE INTERNATIONAL WORK GROUP FOR PALAEOETHNOBOTANY (IWGP), GRONINGEN, THE NETHERLANDS, JUNE 1–7, 2025

The next IWGP conference will be organised by Sonja Filatova, Otto Brinkkemper, Mans Schepers, Ana Smuk, Arnoud Maurer, Merit Hondelink at the Groningen Institute of Archaeology (University of Groningen), likely from June 1–7, 2025. More information available in due times at: <https://archaeobotany.org/>

2026

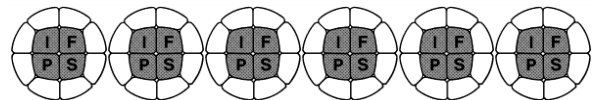
2026 12TH EUROPEAN PALAEOBOTANY AND PALYNOLOGY CONFERENCE (EPPC), 2026, MÜNSTER, GERMANY

The next EPPC Conference will take place in Münster, Germany, in 2026, co-hosted by the Palaeobotany Group (University of Münster) and the LWL-Museum of Natural History in Münster, Westphalia, Germany. More information will be available here in due times.

2027

2027 XXII INQUA CONGRESS IN LUCKNOW, INDIA, FEBRUARY 2027

The next INQUA Congress will take place Lucknow's Birbal Sahni Institute of Palaeosciences in February, 2027. More information will be available at <https://www.bsip.res.in/> in due times.



CURRENT IFPS AFFILIATED SOCIETIES AND COUNCILLORS

The current list of the IFPS officers and IFPS councillors is provided below. The IFPS president (Jean Nicolas Haas), IFPS secretary-treasurer (James B. Riding), IFPS editor of *PALYNOS* (Encarni Montoya), and the IFPS Web-Master should be informed of any errors or necessary changes. Please inform the IFPS Officers of possible website or email address changes.

IFPS Officers	Affiliation	Email
IFPS President Jean Nicolas Haas	University of Innsbruck, Austria	Jean-Nicolas.Haas@uibk.ac.at
IFPS Past President Charles Wellman	University of Sheffield, UK	C.Wellman@sheffield.ac.uk
IFPS Secretary-Treasurer & President-Elect (2024-2028) James B. Riding	British Geological Survey, UK	jbri@bgs.ac.uk
IFPS Editor of <i>PALYNOS</i> Encarni Montoya	Institute of Geosciences Barcelona, Spain	encarnacionmontoya@gmail.com
IFPS Web-Master Benjamin Dietre	University of Innsbruck, Austria	benjamin.dietre@uibk.ac.at
IFPS affiliated Societies	Acronym & Website	Councillors
American Association of Stratigraphic Palynologists – The Palynological Society	AASP – TPS http://www.palynology.org	Fabienne Marret-Davies
Arbeitskreis für Paläobotanik und Palynologie	APP https://www.palaeontologische-gesellschaft.de/ueberuns/arbeitskreise/ak-palaeobotanik-palynologie/	Martina Stebich
Arbeitskreis für Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft	AVRTG http://www.reinhold-tuexen-gesellschaft.de/	Hermann Behling
Asociación Latinoamericana de Paleobotánica y Palinología	ALPP http://www.ufrgs.br/alpp	Mercedes di Pasquo
Asociación de Palinólogos de Lengua Española	APLE https://aple.csic.es/	Pilar S. Testillano
Association des Palynologues de Langue Française	APLF https://assoaplf.wixsite.com/website	Marie-Pierre Ledru
Canadian Association of Palynologists	CAP https://capacp.wordpress.com/	Terri Lacourse
Collegium Palynologicum Scandinavicum	CPS www.palynology.info	Heikki Seppä
Commission Internationale de Microflore du Paléozoïque	CIMP http://cimp.weebly.com/	Jiří Bek
Gruppo di Palinologia della Società Botanica Italiana	GPSBI http://www.societabotanicaitaliana.it/gruppi/gruppo-palinologia-e-paleobotanica-gpp-sbi/21	Laura Sadori
International Association for Aerobiology	IAA https://iaerobiology.wordpress.com/	Dorota Myszkowska
Linnean Society Palynology Specialist Group	LSPSG http://www.linnean.org/	Barry Lomax
Organisation of Czech and Slovak Palynologists	OCSP http://www.ocsp.eu/	Marianna Kováčová
Palynological Association of Nigeria	PAN https://www.facebook.com/Palynological-Association-of-Nigeria-168093586579093/	Emuobosa Orijemie
Palynological Society of China	PSC http://www.chinapsc.cn/zyfh/bfxh/en/about	Wei-Ming Wang
Palynological Society of Japan	PSJ http://www.psj3.org/	Hikaru Takahara
Palynological Society of Poland	PSP	Milena Obremaska
Palynologische Kring (The Netherlands)	PK http://www.palynologischeskring.nl	William Gosling
Palynologists and Plant Micropalaeontologists of Belgium	PPMB https://ininet.org/palynologists-and-plant-micropalaeontologists-of-belgium.html	Philippe Steemans
Russian Palynological Commission	RPC	Elena Novenko
Society for the Promotion of Palynological Research in Austria	AUTPAL http://www.autpal.at	Reinhard Zetter
The Micropalaeontological Society Palynology Group	TMS https://www.tmsoc.org	Luke Mander
The Palaeobotanical Society India	PBS http://palaeobotanicalsociety.org	Rama S. Singh
Turkish Committee for Palynology	TCP	Zühtü Bati
Affiliation/Membership of the IFPS at the:		
<i>International Union of Geological Societies</i>	<i>IUGS</i>	Lucy Edwards
<i>International Union of Biological Societies</i>	<i>IUBS</i>	Jean Nicolas Haas (ad interim)
Former Societies of the IFPS:		
International Association for African Palynology	AIPA/IAAP	
Palynological and Palaeobotanical Association of Australia	PPAA	
Philippine Palynological Society	PPS	

APPENDIX: CURRENT LIST OF APPROVED SYMPOSIA FOR THE NEXT IPC/IPOC MEETING, PRAGUE, CZECH REPUBLIC, MAY 27–31, 2024

A01 Advances in Devonian paleobotany - new

Cyrille Prestianni, Carla J. Harper & Anne-Laure Decombeix

A03 Permian plant succession and the global climate changes

Yu Jianxin, Wan Mingli & Yuewu Sun

A04 Glimpses into the evolution of Fungi

Christine Strullu-Derrien & Ria Mitchell

A05 Late Palaeozoic continental ecosystems of Gondwana

André Jasper, Dieter Uhl, Haytham El-Atfy & Rafael Spiekerman

A06 Palaeozoic palaeobotany: taxonomy, diversity and palaeoecology

Josef Pšenička

B01 Permo-Carboniferous peat-forming tropical forrests buried in situ by volcanic ash in the light of palaeobotanical and palynological research; results from the Czech Republic and China

Jiří Bek, Jun Wang & Josef Pšenička

B02 Palaeozoic palynology: a CIMP and Aramco-CIMP Special Project symposium dedicated to the memory of Professor Bernard Owens

Marco Vecoli, Hartmuth Jaeger & Charles Wellman

C01 The innovations of plants in the Mesozoic

José B. Diez & Xin Wang

C06 The Legacy of Plant diversity and environmental background across the critical intervals of the Mesozoic

Yongdong Wang, Mihai E. Popa, Harald Schneider & Wolfram Kürschner

C07 Vegetation history and evolution of terrestrial ecosystems in Southern Africa, from early land plants to modern vegetation

Frank H. Neumann, Marion K. Bamford, Irene Esteban & May Murungi

D01 In situ and adhered pollen from fossil flowers and animals and their associated paleofloras – new

Friðgeir Grímsson & Reinhard Zetter

D03 Reproductive organs of fossil plants and their in-situ spores and pollen

Evelyn Kustatscher, Hendrik Nowak & Jiří Bek

H01 Quantitative reconstruction of Holocene land-use and land-cover change: advances and applications

Jessie Woodbridge, Andria Dawson, Anupama Krishnamurthy, Furong Li & Ralph Fyfe

H02 Forward to the past – research development on quantifying land cover change and its implication for the biosphere

Anna Broström, Florence Mazier, Anneli Poska, Anne Birgitte Nielsen, Ralph Fyfe & Anna-Kari Trondman

H03 Application of palynological and palaeoecological information in conservation and restoration

Kartika Anggi Hapsari, Althea Davies & Hermann Behling

H04 Back to the Future? Sub-boreal vegetation and climate as a reference for future environmental dynamics

Astrid Stobbe, Maren Gumnior & Lisa Bringemeier

H05 Changing Island Ecosystems

Simon Connor, Sandra Nogué, Lea de Nascimento, Michela Mariani, Janelle Stevenson & Simon Haberle

H07 Long-term tropical forest dynamics; critical knowledge in a changing world

Hermann Behling, Vincent Montade, Antonia Reinhardt, Christina Ani Setyaningsih, & Paula A. Rodríguez-Zorro

H08 Mountain Paleoecology on the Move: The future of mountain ecosystems – perspectives through palaeoecology

Jean Nicolas Haas, Ana Ejarque, Niina Kuosmanen, Vachel Carter, Gabriela Florescu & Jennifer Clear

H09 Big events – Big Impacts. Success and adaptation strategies of ancient populations to climate changes

Alessia Masi, Assunta Florenzano & Katerina Kouli

M01 Modern pollen-vegetation studies for past land-cover reconstructions and calibration of the fossil pollen record

Martin Theuerkauf, Michela Mariani, Vojtech Abraham & Petr Kuneš

M04 Extra microfossils in pollen slides: from environmental indicators to biotic interactions

Lyudmila Shumilovskikh, Piotr Kolaczek, Monika Karpinska-Kolaczek & Irene Tunno

M08 Fire as an ecological and evolutionary driver of terrestrial biota

Angelica Feurdean, Vachel Carter & Gabriela Florescu

M09 Molecular proxies in palaeoecology: recent developments and their implications for understanding past environments and ecosystems

Alistair W. R. Seddon & Daniela Festi

M10 Morphological disparity and evolution in the plant fossil record - new

Phillip Jardine & Luke Mander

M11 Applied palynology: methodological innovations

Rudaya N. A. & Levkovskaya G. M.

Q02 Exploring ecological concepts in the Quaternary

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Q04 Glacial-interglacial cycles as natural experiments

Vasiliki Margari & Laura Sadori

T01 The evolution of plant diversity under palaeoenvironmental changes in the Qinghai-Tibetan Plateau Region

Tao Su, Yong-Jiang Huang & Robert A. Spicer

T02 Cenozoic continental climate and vegetation patterns on both sides of the North Pacific – an open NECLIME symposium

Torsten Utescher, Yusheng (Christopher) Liu, Cheng Quan & Atsushi Yabe

Z01 IAWA Fossil Wood Symposium IPC-IOPC 2020

Jakub Sakala, Vít Koutecký & Dimitra Mantzouka

Z02 Palaeobotany at the forefront of gender equality

Patty Ryberg

Z03 Phylogenetic Palaeobotany

Mario Coiro Brian A. Atkinson & Kelly K. S. Matsunaga

Z05 Palynology and palaeobotany in the digital era

Kasia K. Sliwinska & Natasha Barbolini

Z06 Plant–insect interaction and their co-evolution during deep time

Zhuo Feng & Bárbara Cariglino

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W02 Estimating pollen productivity with R tools/discover package

Martin Theuerkauf, Michela Mariani, Vojtěch Abraham & Petr Kuneš

W03 Registration of Plant Fossil Names

Jan Wagner, Jiří Kvaček & Alexander Doweld

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