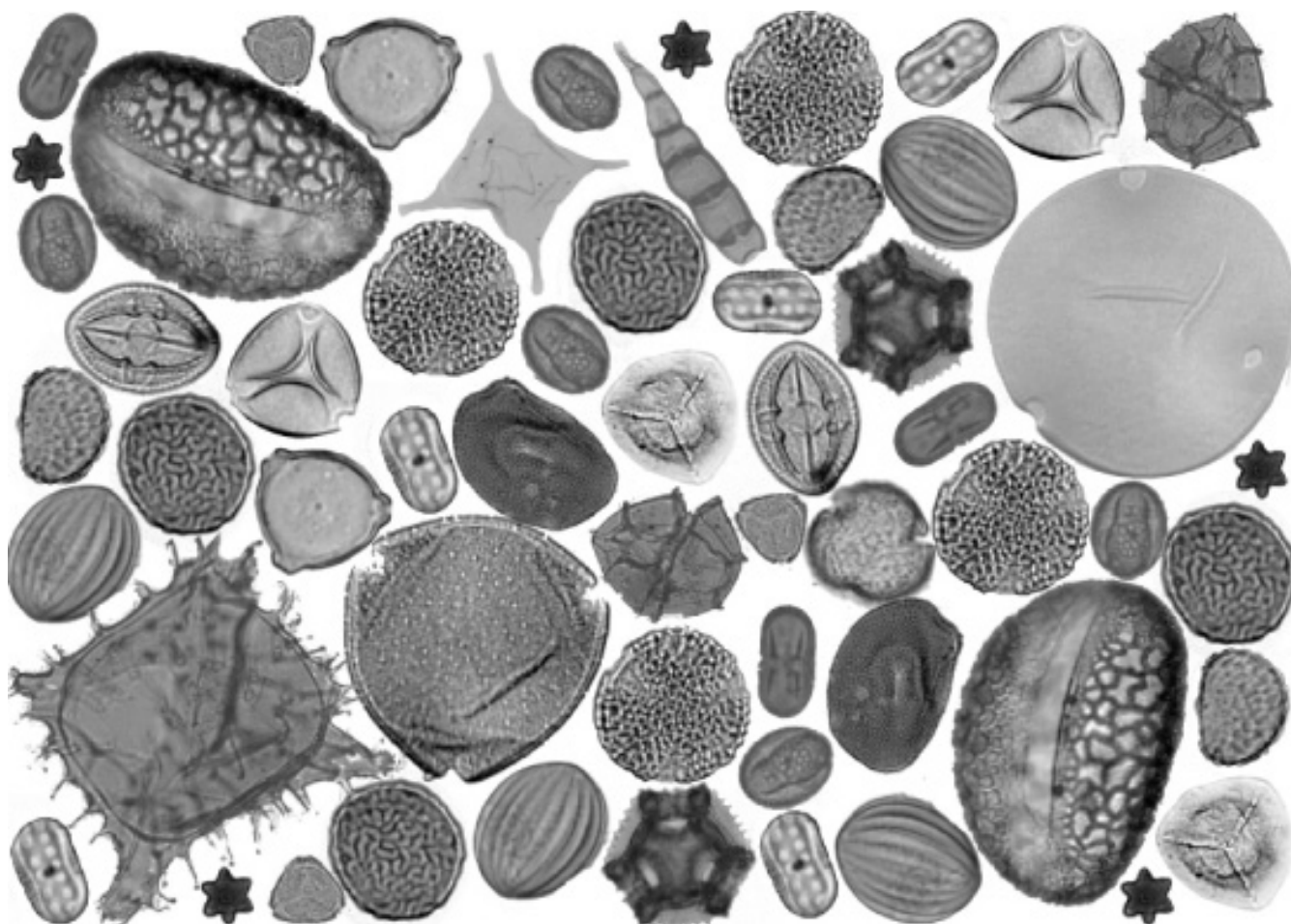




AASP – The Palynological Society

Promoting the Scientific Understanding of Palynology since 1967



NEWSLETTER

September 2021

Volume 54, Number 3

Published Quarterly



AASP – TPS NEWSLETTER

Published Quarterly by AASP – The Palynological Society

September 2021, Volume 54, Number 3

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AASP

The Palynological Society

The American Association of Stratigraphic Palynologists, Inc. - AASP – The Palynological Society - was established in 1967 by a group of 31 founding members to promote the science of palynology. Today AASP has a world-wide membership of about 800 and is run by an executive comprising an elected Board of Directors and subsidiary boards and committees. AASP welcomes new members.

The AASP Foundation publishes the journal *Palynology* (quarterly), the AASP Newsletter (quarterly), and the AASP Contributions Series (mostly monographs, issued irregularly), as well as several books and miscellaneous items. AASP organises an Annual Meeting which usually includes a field trip, a business luncheon, social events, and technical sessions where research results are presented on all aspects of palynology.

AASP-TPS Scientific Medal recipients

Professor William R. Evitt (awarded 1982)
Professor William G. Chaloner (awarded 1984)
Dr. Lewis E. Stover (awarded 1988)
Dr. Graham Lee Williams (awarded 1996)
Dr. Hans Gocht (awarded 1996)
Professor Svein B. Manum (awarded 2002)
Professor Barrie Dale (awarded 2004)
Dr. David Wall (awarded 2004)
Dr. Robin Helby (awarded 2005)
Dr. Satish K. Srivastava (awarded 2006)
Professor Estella B. Leopold (awarded 2013)
Professor Vaughn M. Bryant (awarded 2016)
Professor David Batten (awarded 2018)

AASP-TPS Honorary Members

Professor Dr. Alfred Eisenack (elected 1975)
Dr. William S. Hoffmeister (elected 1975)
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Professor Vaughn Bryant (awarded 2005)
Professor Alfred Traverse (awarded 2005)
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Dr. John E. Williams (awarded 2013)
Mr. Paul W. Nygreen (awarded 2013)
Professor Norman Norton (awarded 2016)
Professor George F. Hart (awarded 2020)

AASP-TPS Board of Directors Award recipient

Dr. Robert T. Clarke (awarded 1994)
Dr. Thomas D. Demchuk (awarded 2014)

AASP-TPS Medal for Excellence in Education

Professor Aural T. Cross (awarded 1999)
Professor Alfred Traverse (awarded 2001)
Professor Bill Evitt (awarded 2006)
Professor Vaughn M. Bryant (awarded 2013)
Professor Geoffrey Clayton (awarded 2016)
Professor Sophie Wary (awarded 2021)

AASP-TPS Distinguished Service Award recipients

Dr. Robert T. Clarke (awarded 1978)
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Dr. Jack D. Burgess (awarded 1982)
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Professor John H. Wrenn (awarded 1998)
Professor Vaughn M. Bryant (awarded 1999)
Dr. Donald W. Engelhardt (awarded 2000)
Dr. David T. Pocknall (awarded 2005)
Dr. David K. Goodman (awarded 2005)
Professor Owen K. Davis (awarded 2005)
Dr. Thomas Demchuk (awarded 2009)
Professor Reed Wicander (awarded 2014)
Professor Fredrick Rich (awarded 2016)
Dr. James B. Riding (awarded 2016)
Professor Martin B. Farley (awarded 2019)



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Jan Hennissen & Gilda Lopes, Editors

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AASP NEWSLETTER GRAPHIC DESIGN (September 2021 Issue)

Filipe Barreira, Laboratório Nacional de Energia e Geologia (LNEG), S. Mamede Infesta, Portugal

The AASP – TPS Newsletter is published four times annually. Members are encouraged to submit articles, "letters to the editor," technical notes, meetings reports, information about "members in the news," new websites and information about job openings. Every effort will be made to publish all information received from our membership. Contributions which include photographs should be submitted two weeks before the deadline.

Deadline for submission for the next issue of the newsletter is November 15. All information should be sent by email. If possible, please illustrate your contribution with art, line drawings, eye-catching logos, black & white photos, colour photos, etc. **We DO look forward to contributions from our members.**

A Message From Our President

Dear colleagues and friends,

This is my first letter since taking office as AASP - TPS President, and I would like to begin by saying how proud I am to have this opportunity. I am extremely grateful to our Past-President Katrin for her service and commitment to the organization. I would also like to use this opportunity to acknowledge Kimberley Bell for her hard work these past two years, and welcome Julia Gravendyck who replaces her as Director-at-Large.

Following a two year hiatus, our 53rd Annual Meeting was hosted virtually during the second week of August. I am certain that everyone in attendance will agree that the meeting was a huge success, and the organizing committee did an exceptional job putting together a conference programme packed with stimulating and informative talks. The numbers involved are truly impressive, and included: 196

registered participants, 3 keynote presentations, 62 standard talks, 27 'lightning talks' and 50 posters. However, perhaps most encouraging is the fact that we had attendees from 37 countries!

These are obviously difficult times for those starting out in palynology. However, I think it is a promising sign that we have so many student and early career members among our ranks. As with the annual meeting in Ghent (2019), the standard of student presentations and posters this year was extremely high. I would like to congratulate the winners of the L.R. Wilson Award, Chloe Walker-Trivett, and of the Vaughn Bryant Award, Nikita Lavrenov. Details on both awardees are found in this newsletter (see pages 12 - 13). My thanks go to the Awards Committee for their hard work in evaluating the talks and posters. I also congratulate Sophie Warny on receiving the AASP - TPS Medal of Excellence in Education.

Planning is already well underway for the 2022 and 2023 meetings. Our 54th Annual Meeting will be held in Manizales, Colombia, during the week of August 7th - 11th. This will be followed by our 55th Annual Meeting, which will be held in Lexington, Kentucky, and provisionally scheduled for early June 2023. Both conferences are anticipated to be 'hybrid' events, with a combination of live talks and virtual presentations. Hopefully, this will contribute to the momentum established by this year's meeting.

I look forward to seeing you all in Manizales next year!

Best regards,

Niall



Niall Paterson, AASP-TPS President



Managing Editor's Report

I recently received some really great news. The current (i.e. 2020) impact factor for Palynology is 2.344. This represents a substantial increase (+1.01) from 2019, and is easily our highest figure for this very important metric. Palynology has now, by some way, the highest impact factor in the three international journals on our subject. It is the first time we have been top of the league in fact. The other key metrics are also increased, and the journal is now in the highest quartile in the Palaeontology category; specifically we are ranked 10/54. This rise in metrics is due to many of our recent papers getting highly cited. I truly hope that this growth is organic, and hence sustainable.

Issue three of volume 45 of Palynology was recently published online. This part comprises 11 research papers on widely varying topics, which are all listed below. The issue will be printed later in the year, together with part four. Number four is now full, so papers accepted now will have article numbers, and will appear in volume 46 for 2022.

The submission rate recently has been really fantastic. In particular, we have had several really great submissions on dinoflagellate cysts which are going through the review stage as I write. However, we also continue to attract manuscripts across the full spectrum of palynology.

Thank you very much for your support of the journal.

Jim Riding
Managing Editor, AASP – The Palynological Society

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2 August 2021



The contents of *Palynology* Volume 45, Part 3 (August 2021)

1. Mego, N. and Prámparo, M.B. A new monosulcate pollen from the Early Cretaceous of central-western Argentina. p. 381–390.
2. Edwards, K.J. and Mao, L. William Su Ting – China's forgotten palynologist. p. 391–419.
3. Quattrocchio, M.E. Late Paleocene–middle Eocene dinoflagellate cysts from the La Barca Formation, Austral Basin, Argentina. p. 421–428.
4. de Souza M.A., Salimena, F.R.G. and Gonçalves-Esteves, V. Pollen morphology of *Lippia* L. sect. *Rhodolippia* Schauer (Verbenaceae). p. 429–439.
5. Halbwachs, H., Bässler, C. and Worobiec, E. Palynomorphs in Baltic, Bitterfeld and Ukrainian ambers: a comparison. p. 441–457.
6. Sudermann, M., Galloway, J.M., Greenwood, D.R., West, C.K. and Reinhardt, L. Palynostratigraphy of the lower Paleogene Margaret Formation at Stenkul Fiord, Ellesmere Island, Nunavut, Canada. p. 459–476.
7. Radaeski, J.N. and Bauermann, S.G. Contributions to melissopalynology studies in southern Brazil: pollen analysis in the honeys from *Apis mellifera*, *Tetragonisca angustula*, *Melipona quadrifasciata quadrifasciata*, *Scaptotrigona bipunctata*, *Plebeia remota* and *Plebeia droryana*. p. 477–486.
8. Dastas, N. and Chamberlain, J. *Cyclonephelium brevireticulatum*, a new dinoflagellate cyst from the Arkadelphia Formation (upper Maastrichtian), Hot Spring County, Arkansas, USA. p. 487–505.
9. da Silva, D.M., Sylvestre, L.S., Mendonça, C.B.F. and Gonçalves-Esteves, V. Palynology of selected species of Blechnaceae (Polypodiopsida: Polypodiales). p. 507–520.
10. Araújo, R.C.M., Nunes, T.S., Santos, F.A.R. and Saba, M.D. Taxonomic implications of pollen morphology for species of *Passiflora* L., subgenus *Deidamoides* (Harms) Killip (Passifloraceae). p. 521–530.
11. Hu, Z., Zhao, Y., Zhao, C. and Liu, J. Pollen morphology of Liliaceae and its systematic significance. p. 531–568.
14. Taherian, F., Vaez-Javadi, F. and Vaziri, S.H. The biostratigraphy of the Upper Devonian and lowermost Carboniferous of the Khoshyeilagh area, northeastern Alborz, Iran. 351–362.
15. Makled, W.A., Hints, O., Hosny, A.M., Shahat, W.I. and Gentzis, T. Exotic Devonian palynomorphs from the Sifa-1X well in the Western Desert, Egypt. 363–380.



AASP-TPS is against racism!

AASP- The Palynological Society takes great pride in being home to a diverse group of early career and professional members internationally. We therefore aim to promote and embody an inclusive and equitable culture that is free from discrimination.



AASP – TPS 50th Anniversary Jewelry Collection

Exclusive, Custom-made 50th Anniversary Jewelry

Limited-Edition and availability



Special thanks to John Firth and Ingrid Romero for palynomorph images.

Celebrate the 50th anniversary of AASP – The Palynological Society with a beautiful, sterling silver palynomorph necklace. The Society board worked with jeweler and designer, 'Science-inspired jewelry', to create these one-of-a-kind, unique necklaces in honor of our silver anniversary. There are a limited number available of two designs, a dinoflagellate cyst of ***Diphyes recurvatum*** and a pollen grain of ***Macrolobium multijugum***. They are sterling silver and each measure c.3/4" diameter.

Each necklace comes with a commemorative information card that includes a picture and description of the palynomorph. **The society is selling them for \$150.00 (for members) and \$170.00 (for non-members).** This is a wonderful way to support AASP and is a great conversation starter!

Payment can be arranged by contacting the AASP-TPS Treasurer, Vladimir Torres, at vladimir.torres@exxonmobil.com. Necklaces can be mailed at your request.

AASP Medal for Excellence in Education

The AASP-TPS Medal for Excellence in Education recognizes leaders with considerable experience and accomplishments in palynological education. Only five individuals have been awarded this medal in the history of the society: Aureal T. Cross (1999), Alfred Traverse (2001), Bill Evitt (2006), Vaughn Bryant (2013), and Geoffrey Clayton (2016).

During the 53rd AASP-TPS Annual Meeting, Sophie Warny from Louisiana State University became the sixth laureate. The AASP-TPS Awards Committee received a nomination package for Sophie (letter or dedication on p. 11) backed by her former Ph.D. students, society members, former students, and colleagues who contributed letters of support.



Sophie is one of the few professors in the United States capable of educating and graduating palynology students that have successful careers in the field after graduation. The letters of support from her former students highlight how incredible of a teacher and mentor Sophie is:

"Her enthusiasm for palynology – and for science in general – is infectious... Sophie has continued her mission as a representative and ambassador of palynology." – Kate Griener

"Her gift for mentoring and educating the next round of professional palynologists in the United States should be recognized to the highest degree." – Shannon Ferguson

The true testament to the impact of Sophie's career is how many of her students have managed to remain in the fields of palynology and biostratigraphy. In total, Sophie has supervised 21 graduate students (plus five currently working toward their degree), two postdoctoral fellows, served on an additional 27 students' graduate committees, and three undergraduate student research projects. Most of her graduate students have had either research or teaching fellowships and most have continued working successfully either in academia or the energy industry.

Sophie's students have gone on to careers in academia, the petroleum industry, education, and even the U.S. government. They include

- Instructors at LSU and Dalhousie University
- Biostratigraphers and petroleum geoscientists at Chevron, BP, BHP, Turkish Petroleum Institute, Devon, Hess, Hilcorp, ERM
- Biostratigraphers at PetroStrat and Ellington
- IODP
- Department of Homeland Security



Sophie with Vaughn Bryant, Fred Rich, and Shannon Ferguson at the 49th Annual AASP Meeting held in Houston, Texas, USA, in September 2016 – palynological education spanning generations!

Incredibly, she has taught nearly 140 students in her classes related to micropaleontology, palynology, and biostratigraphy. Given how small of a field palynology and biostratigraphy is, Sophie has truly opened the eyes of many students to the possibilities of our discipline through her coursework.



Microscopy and collections room at CENEX

Furthermore, since 2008, Sophie is the Director of The Center for Excellence in Palynology (CENEX) at LSU one of the global leaders in palynological research. She oversaw:

- the reorganization of the CENEX library that hosts >25,000 books, reprints, and report
- the building of a palynological microscopy and collection room
- the addition of new student offices and visitor office/meeting room
- the remodeling of the palynological sampling, laboratory and undergraduate student training facilities

Congratulations Sophie!

Letter of dedication for the 2021 AASP Medal for Excellence in Education laureate, Prof. Sophie Warny.

by Dr. Vann Smith

In recognition of her outstanding contribution to palynological education, it is an honor for AASP to award Dr. Sophie Warny the Medal for Excellence in Education. Dr. Warny is a Full Professor and Curator at Louisiana State University and the AASP Chair of the Center for Excellence in Palynology (CENEX). Dr. Warny has been a teacher, mentor, and friend to numerous undergraduate and graduate students, who have moved on to advance the field of palynology. Her passion for the subject is infectious. Several of the undergraduate students who have taken her class Introduction to Micropaleontology at Louisiana State University have since devoted their careers to palynological research. Dr. Warny is currently advising six graduate students on a variety of research topics, and somehow finds the time to teach undergraduate courses, engage with K-12 outreach, and pursue her own research as well. Her current and former students would like to express their gratitude for her encouragement and her generosity.



AASP – TPS Student Award Winners

LR Wilson Award 2021

Chloe Walker-Trivett

University of Exeter (Camborne School of Mines), Penryn, UK and
The British Geological Survey, Keyworth, UK

Project title: Oceanographic and biotic changes in SW Australia during Oceanic Anoxic Events

Supervisors: Dr S. Kender, Dr K. Littler, Dr K. Bogus, Prof. S. Hesselbo, Dr J. Riding, and Prof. M. Leng

Biography: For those of you with exceptional memories, you'll recall my biography from a previous newsletter, in which I outlined my background in biology (MBiolSci at the University of Sheffield, 2011-2015) and subsequent transition to the world of palaeontology. After completing my masters with Prof. C. Wellman, I spent a few years of looking after students, rather than being one, squeezing in some academic interests in my free time - attending conferences and attempting to curate a fossil collection from The University of Sheffield's ex-Geology department. I finally got back into research, starting this PhD project, in 2018. Since then I have been battling recalcitrant machinery and COVID-19 lockdowns – much like everyone else!

Research Project: My project reconstructs climatic changes and biotic responses associated with Oceanic Anoxic Events (OAEs), which occurred through the Cretaceous. I focus particularly on OAE 2 (~94 Ma) and OAE 1d (~100 Ma) from two sites in the Mentelle Basin, offshore SW Australia. OAEs represent periods of ocean anoxia (as the name suggests) which co-occur with other huge changes in ocean



Chloe sat at her home microscope, with a newly 3-D printed phone camera stand attached to one eyepiece – designed and printed by Dr J. Atkinson, Nottingham University (utilising their MakerSpace facilities)

chemistry and massive upheavals in the carbon cycle. Using spores, pollen and dinoflagellate cysts (dinocysts) I will characterise how (or if) these changes impacted terrestrial vegetation and marine plankton. This is something that is not often undertaken in association with OAEs, despite the importance of organic walled microfossils in the carbonate-lean sediments around OAEs, and especially in the black shale horizons associated with the most intense periods of anoxia/euxinia, where no carbonate is preserved at all.

Research Award Update and L.R Wilson Award Presentation Summary

During the brief lulls in COVID-19 cases where we have not been in lockdown, I have managed to put the student research award money to good use, preparing ~140 of my proposed 200 palynological samples for analysis at the British Geological Survey, Keyworth. I have also managed a qualitative look through the slides I have so far, giving hints of interesting data to come.

In the long-term, both the diversity and abundance of dinocysts seems to decrease well in advance of OAE 2 itself, declining through the Cenomanian in the run-up to the event. This does not appear to reflect the surprisingly high and stable temperatures which persist throughout the Albian – Cenomanian, so another control mechanism is likely – for example nutrient availability. Changes over the OAEs themselves were not detected in my first pass of the slides, due to their incredibly short timescales (lasting only 100-600 kyrs). Qualitative counts through all of my samples will determine the exact nature of this trend in the near future, and further data on sediment provenance and environmental interpretation of terrestrial palynomorphs may help to determine the factors influencing the long term shift to lower diversity and abundance in dinocysts in the run-up to OAE 2.

Vaughn Bryant Award 2021

Nikita Lavrenov

Lomonosov Moscow State University, Russia

Project title: Late Holocene vegetation dynamics in Western Russia (Smolensk Region)

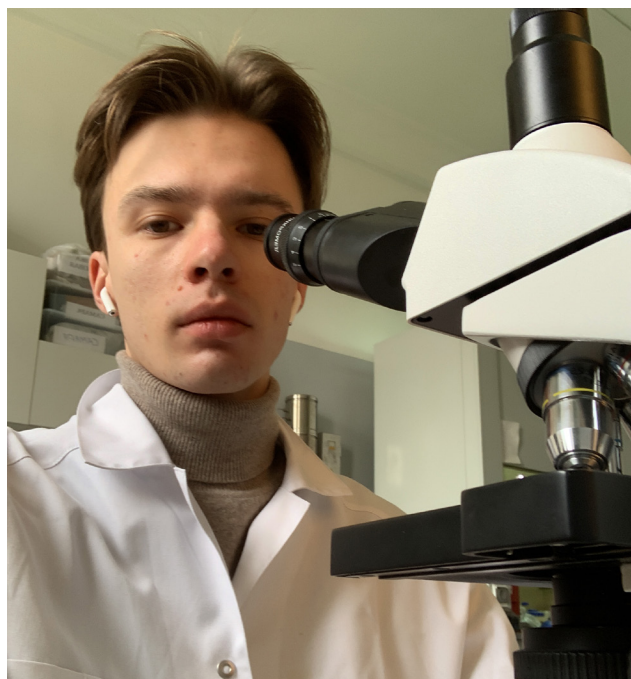
Supervisor: Dr Ekatarina Ershova

Biography: My passion for plants started in primary school when I started to replant wild flowers into a secret shadow garden. That passion determined my favorite object of interest and I studied ecology and plant geography at Lomonosov State University. My bachelor's and master's theses were devoted to the functioning of alpine plant communities. In 2017 I started a PhD study in palaeoecology. For me palaeoecology is like putting together a very complicated puzzle. You should consider many different proxies and put them together into a united picture of the past. My current PhD project involves reconstructing

Holocene vegetation and landscape dynamics in the Smolensk Region (Western Russia). The second side of my life is science journalism. To write about science is sometimes comparably fascinating as making science.

Research Project: Russian territory occupies almost a third of Eurasia but its coverage by palynological research is still patchy and insufficient. Some of the palynologically «black spots» on the Russian map are in the region of the study: according to the Neotoma database there are no known studied objects in the Smolensk Region at all. It is also an area of interest for historians and archaeologists as one of the key segments of the way from the Varangians to the Greeks.

In 2017, palaeoecologists from Lomonosov Moscow State University and archaeologists from the Institute of Archaeology RAS initiated a complex multi-proxy project devoted to human-environmental interactions in the Holocene of the Smolensk Region. Using pollen, anthracological, botanical macrofossil analyses and a number of related mathematical and statistical methods, we have reconstructed vegetation, landscape and climate dynamics of the region for over 4,500 years.



News from...

Asia

By Tuba Aydın Ozbek

The 73rd Geological Congress of Turkey was held May 24–28, 2021 with as main theme "Geology and Geopolitics". The Congress was held as online with many international and Turkish researchers presenting their work.

Akkiraz and his colleagues presented "Early Miocene Palaeoflora and Palaeoecology of the Soma Basin, Western Anatolia: Comparisons with other basins from Anatolia". They studied lignite successions from several outcrop sections in the Soma Basin. They interpreted the early Miocene palaeoecology of the basin based on pollen and leaf assemblages and also dated precisely using radiometric data. According to the study, the succession shows different environmental setting starting from swamp to shallow water environment. For more information:

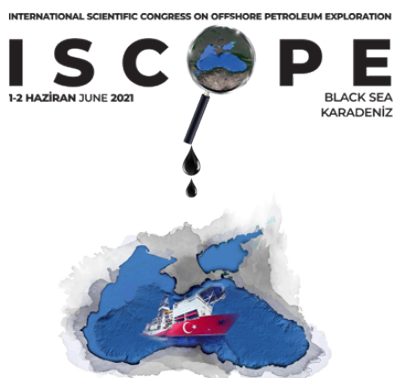
Akkiraz, M.S., Utescher, T., Bruch, A.A., Wilde, V., Durak, S.D., Mosbrugger, V., 2020, Early Miocene palaeoflora and palaeoecology of the Soma Basin, Palaeobiodiversity and Palaeoenvironments, 100(4), 921- 938. DOI: <https://doi.org/10.1007/s12549-020-00434-3>

I also presented my own research in this congress: "Palynostratigraphy of Upper Devonian and Mississippian Deposits in the Central and Eastern Taurides". Several outcrop sections were studied from the Central and Eastern Taurides for palynostratigraphy and sedimentary environmental research. We presented a palynological assemblage including large assemblages of miospores, chitinozoans, acritarchs and prasinophytes.



The presence of biostratigraphically important species of *Geminospora lemurata*, *Teichertospora torquata*, *Diducites mucronatus*, *Retispora macroreticulata*, *Knoxisporites literatus* helped to determine a detailed age model for the studied sections. Accordingly, the deposition of the upper part of the Gölboğazı Formation in the Hadım, Konya section (Central Taurides) took place during the latest Frasnian to Famennian.

It is worth mentioning that the preservation of the palynomorphs was very poor in this section due to tectonic reasons in the region. In Halevikdere and Naltaş Sections also a large number of species were recorded. The deposition of the uppermost part of the Şafaktepe Formation and the Gümüşali Formation took place during latest Givetian to Famennian, while the Ziyarettepe Formation was deposited during the lowermost Mississippian.



In addition, the International Scientific Congress on Offshore Petroleum Exploration: Black Sea- ISCOPE was held in 1-2 June, 2021 as an online conference.

There, Hoyle and his colleagues presented a study entitled "Climate-driven connectivity changes of the Black Sea and their applications in stratigraphy". This multi-proxy research consists of a study of dinocysts and strontium isotopes. Their data suggests that during global low stand in association with glacials MIS 4,8 and 10. During eustatic highstands in relation with peak interglacials during MIS 5 and 9, however, the marine waters flowed into the Black Sea. The dinocyst assemblages of interglacials periods recorded different assemblages in each cycle, this associated with different conditions conquer in different periods.

For more information on their paper:

Hoyle, T.M., Bista, D., Flecker, R., Krijgsman, W., Sangiorgi, F., 2021, Climate-driven connectivity changes of the Black Sea since 430 ka: Testing a dual palynological and geochemical approach, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 561, 110069. DOI: <https://doi.org/10.1016/j.palaeo.2020.110069>

My colleagues and I presented "Biostratigraphy and Paleoenviromental Settings of the Miocene Successions from the Central Paratethys". We studied a number of boreholes from the Black Sea to establish a dinocyst biozonation. We described 4 biozones and 3 subzones within the Miocene. The changes in the assemblages of the dinocyst allowed to interpret the seaway connections and their effects to the fauna in the Black Sea.



New book on non-pollen palynomorphs!

This long overdue book about non-pollen palynomorphs (NPPs) seeks to cover gaps in our knowledge of these abundant but understudied palynological remains. NPPs, such as fungal spores, testate amoebae, dinoflagellate cysts, acritarchs and animal remains, are routinely recovered from palynological preparations of marine and/or terrestrial material, from Proterozoic to recent geological times. This book gives the reader a comprehensive overview of the different types of NPPs (chapters 2, 5-8), with examples from diverse time periods and environments (chapters 9-13). It provides guidance on sample preparation to maximize the recovery of these NPPs (chapter 3), detailed information on their diversity and ecological affinity, clarification on the nomenclature (chapter 4) and demonstrates their value as environmental

indicators. This volume will become the reference guide for any student, academic or practitioner interested in everything else in their palynological preparations.

Marret, F., O'Keefe, J., Osterloff, P., Pound, M. and Shumilovskikh, L. (eds) 2021. ***Applications of Non-Pollen Palynomorphs: from Palaeoenvironmental Reconstructions to Biostratigraphy***. Geological Society of London, Special Publications, 511, <https://doi.org/10.1144/SP511> ; <https://sp.lyellcollection.org/content/511/1>



Call to Serve

Newsletter open positions



Not sure that you want to run for office but want to help the society?

Become a newsletter correspondent, either formally or informally! We welcome student and professional news, book reviews, reports on meetings, workshops, etc. Submissions are due on November 15, February 15, May 15, and August 15, annually.

The AASP - The Palynological Society Newsletter is a publication with an ISSN number (ISSN 0732-6041), which **helps your CV!**

Our newsletter is only as good as the news we receive.
Please stay in touch!

Jan Hennissen
Newsletter Editor
aaspnews@gmail.com

Consider Helping our Mission

AASP FOUNDATION CENTURY CLUB



What?

The Century Club of the American Association of Stratigraphic Palynologists Foundation is an organization founded by the Trustees of the Foundation in order to provide persons with the opportunity to support activities of the AASP Foundation.

Why?

1. To develop an established level of giving that will continue to provide a solid financial base for the Foundation.
2. To provide unrestricted funds to support the various publishing activities of the Foundation.
3. To provide a meaningful organization and method of recognition of dedicated "friends" of the AASP Foundation.

How?

Your tax-deductible contribution of \$100 or more to the AASP Foundation entitles you to belong to the Century Club. The 2020 "membership" drive is on now. Your contribution may be made by personal check or by a pledge which is **payable on or before December 31, 2021**.

Join!

To join the Century Club, simply complete the attached Contribution/Pledge Form and mail to the address listed below.

The AASP Foundation is a 501 (c)(3) not-for-profit, public organization registered in the United States. This means that contributions to the AASP Foundation are fully deductible on your U.S. Federal Income Tax return. Also, many employers have a matching gift program whereby they match your personal gift to not-for-profit organizations. It is well worth the effort to explore this possibility concerning your gift to the AASP Foundation.

2021 AASP Foundation Century Club Contribution Form

Mail to: Thomas D. Demchuck
AASP Foundation Chair and Trustee
14419 Lotusbriar Ln.
Houston, TX 77077

Name: _____

Address: _____

Contribution Enclosed: \$_____ I wish to pledge: \$_____

Meeting Report

AASP-TPS 53rd Annual Meeting

By Jan Hennissen

The 53rd Annual Meeting of AASP – The Palynological Society was held as a virtual event from August 9 to 13, hosted by The Natural History Museum (London, UK). Uniquely, the conference's organisation committee consisted of members from different organisations hailing from all corners of the world: Stephen Stukins (NHM), Kimberley Bell (Petrostrat), Vera Korasidis (Smithsonian Institution), Alexander Ball (University of Sheffield), Damián Cárdenas Loboguerrero (Smithsonian Tropical Research Institute) and Jim Riding (The British Geological Survey). In total, an incredible 196 participants from no less than 37 countries registered for the event. The programme included three keynote presentations, over sixty talks, 27 lightning talks and 50 posters.



The AASP - TPS 53rd Annual Meeting logo. Designed by Alessandro Cesare Bruno, winner of the Annual Meeting logo competition (NL54_2, June 2021, p. 16)

A particular highlight was the inspiring session "Beyond Miscellaneous: The Life and Legacy of Vaughn M. Bryant" on Wednesday the 11th of August with talks by many of Vaughn's former students, recalling how he inspired generation(s) of future palynologists. Other sessions focussed on in situ pollen and spores and Precambrian palynology, with the majority of talks more informally grouped by stratigraphy and palynomorph of interest.

It was especially encouraging to see the important contribution of students to the general programme of the meeting: no less than twenty students gave an oral presentation while sixteen students drafted a poster accompanied by a lightning talk. Chloe Walker-Trivett won the L.R. Wilson Award for best student presentation (see p. 12) while Nikita Lavrenov won the Vaughn M. Bryant Award for best student poster (see p. 13). At the conclusion of the meeting, the Chair of the AASP-TPS Awards Committee, Marie Thomas, also awarded the AASP – TPS Medal of Excellence in Education to Prof. Sophie Warny (Louisiana State University) (see p. 10 – 11).

Hopefully we will be able to see each other in person again in Manizales (Colombia) from 7 August to 11 August 2021 for the 54th AASP – TPS Annual Meeting!



Upcoming AASP – TPS Meetings



October 10-13, 2021

GSA Annual Meeting, Portland, Oregon, USA

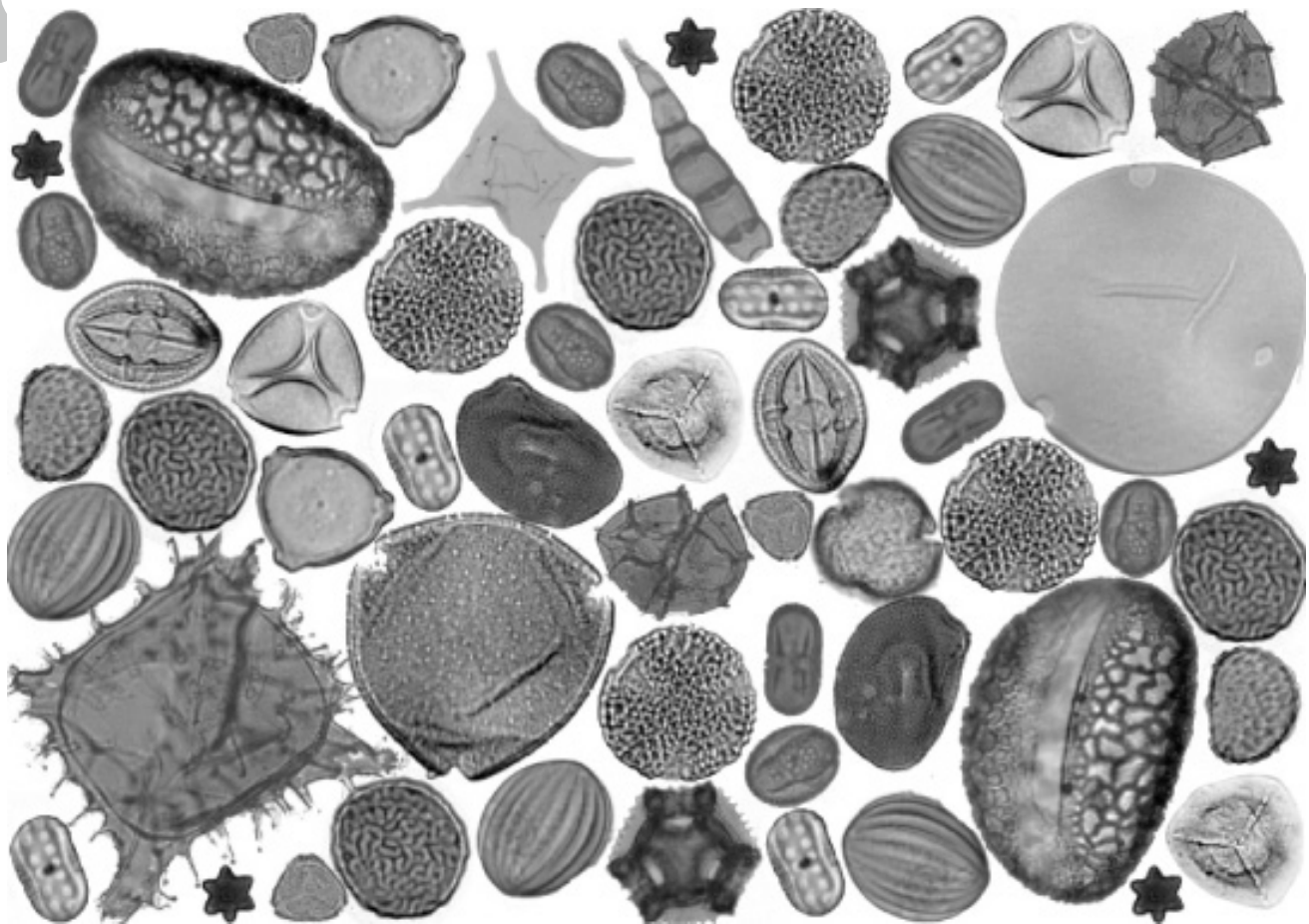
Volunteers who would like to help out at the AASP-TPS booth please contact Franca at ikuenobe@mst.edu

August 7-11, 2022

54th Annual Meeting of the AASP - The Palynological Society

Manizales, Colombia

Organizers: Ingrid Romero, Angelo Plata & Andres Pardo



Annual Meeting on 10-13 October, 2021 Portland, Oregon, USA



Registration Now Open for

[GSA Connects 2021](#)

GSA is delighted to return to an in-person meeting experience on 10–13 October in Portland, Oregon, USA. Join us for a dynamic meeting that surrounds you with inspiration and engagement to advance your professional career.

As a GSA Associated Society member, you can receive [registration](#) at the GSA Member rate by using this code:

AS21CODE (all caps)

At [GSA Connects 2021](#) you will find:

- More than 150 trailblazing technical sessions over a wide range of disciplines
- Inclusive networking opportunities and fun social events
- Access to top contributors in your field and award-winning geoscientists
- Exhibitions in the Resource & Innovation Center
- Field trips to the geologically rich Pacific Northwest region
- A variety of short courses to help you develop new skills

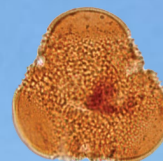
If you're not able to attend in person, we are pleased to offer online options:

- Online-only registration package featuring selected live-streaming sessions
- Recorded sessions available to all registered attendees on demand through October 2022
- More than 20 online short courses that can be added to your registration package
- Pre-meeting GeoCareers online events, open to all attendees at no extra charge

Come prepared to learn, connect, engage, and grow at GSA Connects 2021.

[Register here!](#)

- Volunteers will be needed at the AASP-TPS Booth
- The fall AGI-GSA Affiliated Societies meeting will take place



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MALVACEAE

54ª Reunião anual Da Sociedade palinológica AASP-TPS

Manizales, Colombia
Agosto 7 – 11, 2022

Organizado em conjunto com
A Sociedade Latino-Americana de Paleobotânica e Palinologia (ALPP)
A Rede de catálogos polínicos online (RCPol)

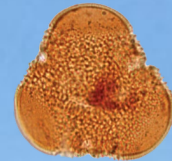
As reuniões anuais da Sociedade Palinológica AASP-TPS visam mostrar os últimos avanços nos diferentes aspectos e aplicações da palinologia.

Este evento é caracterizado pelo seu alto conteúdo técnico, científico e acadêmico. Desde 1967, a AASP-TPS destaca a grande importância do uso da palinologia como ferramenta bioestratigráfica, tanto na indústria do petróleo quanto na academia.

Em 2022, a reunião anual da AASP será realizada pela primeira vez na Colômbia e pela segunda vez na América Latina. Esta também será a primeira reunião com um formato online/presencial. Por esta razão, neste encontro queremos celebrar a diversidade palinológica dos Neotrópicos, e fazer deste evento uma oportunidade de incluir a diversidade de palinologistas e colaboradores. Para isso, teremos a participação ativa da Associação Latino-americana de Paleobotânica e Palinologia (ALPP) e da Rede de Catálogos Polínicos Online (RCPol), em um único espaço e um único evento na América Latina.

Manizales, tradicional cidade cafeeira, abre suas portas para receber a comunidade palinológica mundial, e o Instituto de Pesquisas em Estratigrafia (IIES) da Universidade de Caldas dá as boas-vindas ao evento.





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MALVACEAE

54th Annual Meeting AASP-The Palynological Society

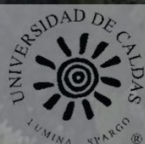
Manizales, Colombia
August 7 – 11, 2022

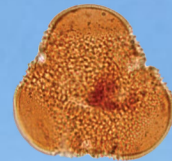
Organized jointly with
The Latin America Association of Paleobotany and Palynology (ALPP)
The Online Pollen Catalogs Network (RCPoL)

The annual Palynological Society AASP-TPS meetings have as main goal to show the last advances in palynology at a scientific, technical, and academic level. For years, the AASP-TPS has focused on palynology as a biostratigraphic tool.

In 2022, the annual meeting of the AASP-TSP will be held in Colombia for the first time and for the second time in Latin America. This meeting will also have an online/in person format. For this reason, we want to celebrate the palynological diversity of the Neotropics and make this event an opportunity to include the diversity of the palynological community.

This meeting will include the participation of the Latin American Society of Paleobotany and Palynology (ALPP), and the Online Pollen Catalogs Network (RCPoL). The meeting will take place in Manizales, a traditional coffee city. Manizales will welcome the global palynological community, as well as the Institute of Investigations in Stratigraphy (IIES) at Universidad de Caldas.





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MALVACEAE

54 Encuentro Anual La Sociedad Palinológica AASP-TPS

Manizales, Colombia
Agosto 7 – 11, 2022

Organizado conjuntamente con
La Sociedad Latinoamericana de Paleobotánica y Palinología (ALPP)
La Red de Catálogos Polínicos Online (RCPol)

Las reuniones anuales de la Sociedad Palinológica AASP-TPS tienen como objetivo mostrar los últimos avances en los diferentes aspectos y aplicaciones de palinología. Este evento se caracteriza por el alto contenido técnico, científico y académico. Desde 1967, la AASP-TPS ha dado gran importancia a el uso de la palinología como herramienta bioestratigráfica tanto en la industria del petróleo como en la academia.

En el 2022, el encuentro anual de la AASP se realizará por primera vez en Colombia, y por segunda vez en Latinoamérica. Este también será el primer encuentro con un formato online/en persona. Por esta razón, en este encuentro queremos celebrar la diversidad palinológica del Neotrópico, y que esta sea una oportunidad para incluir la diversidad de palinólogos y colaboradores. Para esto contamos con la participación activa de la Asociación Latinoamericana de Paleobotánica y Palinología (ALPP) y la Red de Catálogos Polínicos Online (RCPol), en un sólo espacio y un solo evento en América Latina.

Manizales, una ciudad cafetera por tradición abre sus puertas para recibir a la comunidad palinológica mundial, y el Instituto de Investigaciones en Estratigrafía (IIES) de la Universidad de Caldas dan la bienvenida al evento.





Other Meetings and Workshops of Interest

International seminar series on dinophytes



Because of the current pandemic, we have been unable to meet each other. This is a shame because such meetings are crucial to keep our community connected.

To overcome this, in line with the DINO/ICHA-conferences, we invite you to participate in our biweekly 20 minute seminars + 10 minute questions via ZOOM, starting in May 2021. This can be about anything related to dinophytes / dinocysts (for example about taxonomy, phylogeny, evolution, life-history, toxins, pigments, transcriptomics, (paleo) ecology, stratigraphy, functional traits, ...). We'll try to choose timeslots that are convenient with your time zone.

If you would like to attend these seminars or present such a seminar, please contact **kenneth.mertens@ifremer.fr**, and we'll provide you the necessary information.

We specifically ask postdocs, PhD students, MSc students to propose seminars. This is a good way to showcase your research to a group of specialists.

The organising committee,

Kenneth Mertens, Vera Pospelova, and Marc Gottschling

ICP14

Bergen, Norway



IMPORTANT DATES

Early bird registration

1 September 2021–
28 February 2022

Call for Abstracts

15 January–15 April 2022

Regular registration opens

1 March 2022

Abstract notifications

30 May 2022

For inquiries, please contact:

info.icp14@uib.no

Conference website

<https://icp14.w.uib.no/>

The pandemic is currently putting limitations on international mobility, but we hope it will be possible to hold the ICP14 in Bergen in 2022. We plan for a traditional ICP centred around invited plenary presentations, extended poster sessions, a discussion session and social activities, including a Paleomusicology concert. This format is the beating heart of every ICP meeting, and we cannot imagine an ICP without the vibrant atmosphere this brings. We acknowledge that post-pandemic travel habits may change permanently, so we are also looking into solutions for digital participation and interaction.

The Local Organising Committee

14th International Conference on Paleoceanography

29 August–2 September 2022

Bergen, Norway

FIRST ANNOUNCEMENT

We cordially invite you to Bergen, the gateway to the Norwegian fjords, to join the 14th edition of the International Conference on Paleoceanography. The University of Bergen, NORCE Norwegian Research Centre, and the Bjerknes Centre for Climate Research are hosting the event.

The ICP gathers world experts and newcomers in the field of paleoceanography, to bring together researchers working on past climate and ocean change on a range of timescales, using climate proxies or modelling approaches. The conference provides an opportunity to present and debate ground-breaking new observations while creating the ideal environment for fostering discussions of pressing challenges and new scientific initiatives.

ICP14 Scientific Committee

Ayako Abe-Ouchi, University of Tokyo, Japan

Jess Adkins, California Institute of Technology, USA

Gavin Foster, University of Southampton, UK

Jochen Knies, Geological Survey of Norway

Tom Marchitto, University of Colorado Boulder, USA

Helen McGregor, University of Wollongong, Australia

Nele Meckler, University of Bergen, Norway

Ulysses Ninnemann, University of Bergen, Norway

Bette Otto-Bliesner, National Center for Atmospheric Research, USA

Antoni Rosell-Melé, University of Barcelona, Spain

Daniela Schmidt, University of Bristol, UK

Hosted by:



11th European Palaeobotany and Palynology Conference

19–22 June, 2022, Stockholm, Sweden

First Circular and

Call for Symposia & Workshops



The Organizing Committee invites you to the **11th European Palaeobotany and Palynology Conference, Stockholm, to be held 19-22 June, 2022**, as a physical (**on site**) meeting jointly at The Swedish Museum of Natural History and at the adjacent Stockholm University, Stockholm, Sweden. The scientific program will cover all aspects of palaeobotany and palynology and the meeting will provide palaeobotanists and palynologists with an opportunity to present and discuss their research and meet one another four years after the previous conference in the series. The meeting will include three full days of scientific sessions, with some additional options for pre-conference workshops and short pre- and post-conference excursions. The organizing team of Swedish palynologists and palaeobotanists invite you to spend midsummer week in Stockholm, present your latest results, and enjoy the sights, sounds and flavours of Sweden.

Owing to the difficulties in securing advanced bookings for venues and transport during the pandemic, we have placed an initial **cap of 350 delegates** for the conference, so it will be important for attendees to **register early** to ensure acceptance of symposia and a presentation slot in the conference schedule. The Registration Website will be available in October, 2021.

Conference and fieldtrip details

Further details will be provided on the conference's website, which will be available in October, 2021. We will also distribute a second circular at that time with details of costs and a reminder to register.

In the meantime, interested persons can find regular updates about the conference and fieldtrips on the 11th EPPC Facebook page at: <https://www.facebook.com/11thEPPC>

Key preliminary details about the conference are provided below.

Call for Symposia and Workshops

Symposia

It is our pleasure to invite **proposals for symposia** for the 11th EPPC, 2022.

Owing to the short operational schedule in the aftermath of the COVID pandemic, the deadline for symposia proposals is strictly midnight, October 8, 2021. Proposed symposia might, for example, cover disciplines including palynology and/or palaeobotany of specific time intervals or regions, aspects of palaeoecology, palaeoclimatology, biostratigraphy, plant taxonomy, plant morphology, plant-insect interactions, fossil fungi, acritarchs, dinoflagellates, aerobiology, melissopalynology, forensic palynology, and cutting-edge techniques in the study of fossil plants. Other topics will also be considered. To organize a symposium, please prepare a "**symposium proposal**", using the template provided at the bottom of this circular, that briefly describes the symposium in English. This proposal should include the following:

- a descriptive title and list of organizers;
- a brief text explaining the purpose of the symposium;
- a list of possible speakers, their institutions or affiliations, and preliminary presentation titles.

The length of individual symposium talks is 15 minutes, including question time.

Please submit your symposium proposal (using the template below) via the following email address:

11th.eppc@gmail.com **by Friday October 8th, 2021**

The program committee will review all proposals, and may make suggestions in view of the conference organization.

Workshops and Business Meetings

We also welcome proposals for workshops and business meetings. Workshops and business meetings will normally be held on Sunday 19th June at the Swedish Museum of Natural History and can be held in rooms that accommodate between 4 and 40 participants. Normal audiovisual facilities will be available.

We particularly encourage workshops focused on writing a review paper on topics of interest. These should bring together students and researchers at diverse career stages. If your workshop proposal is accepted, we will provide support to organize and coordinate working groups of similar interest.

Please submit your workshop proposal (using the template below) via the following email address:

11th.eppc@gmail.com **by Friday October 8th, 2021**

Important deadlines

Deadline for symposia and workshop proposals: **8th October, 2021**

Opening of Registrations: **30th October, 2021**

Early Bird Registration deadline: **21st January, 2022**

Regular registration deadline and abstract submission: **1st April, 2022**

Registration for conference dinner: **1st April, 2022**

The Conference Dinner will be a memorable evening starting with mingling with the Vasa Museum's experienced guides and an exciting tour around the great wooden warship Vasa, which sank in 1628 on her maiden voyage and was raised from Stockholm harbour in the 1960s to become one of the city's greatest tourist attractions. This will be followed by a three-course dinner served in the shadow of the infamous Vasa ship itself.



Links to registration and abstract

Conference registration and abstract submission details will be supplied in the second circular in October, 2021.

Please note that attendees can give only 1 oral presentation as the primary presenter.

An extensive space for poster presentations will also be available.

We look forward to seeing you in Stockholm for midsummer 2022.

Organizing Committee Chair and facilities coordinator: *Vivi Vajda*, Swedish Museum of Natural History

Organizing Committee Representatives:

Catarina Rydin, Stockholm University

Stephen McLoughlin, Swedish Museum of Natural History

Thomas Denk, Swedish Museum of Natural History, Collegium Palynologicum Scandinavicum

Björn Gedda, Swedish Museum of Natural History

Margret Steinhorsdottir, Swedish Museum of Natural History

Natasha Barbolini, University of Bergen/Stockholm University

Sam Slater, Swedish Museum of Natural History

Sebastian Willman, Uppsala University

Contact address for enquiries

Enquiries are best made via email at: 11th.eppc@gmail.com

You can also keep up to date with information related to the conference at our Facebook page:

<https://www.facebook.com/11thEPPC>



Naturhistoriska
riksmuseet



Stockholms
universitet

Symposium proposal template

Title of symposium:

Organizer(s) of symposium:

Outline of the Symposium:

(Provide a short text of <100 words explaining the main objectives and scope of the symposium)

List of speakers and titles:

(this only needs to be a preliminary list of potential speakers and the general topics they are likely to cover)



Workshop/Business Meeting proposal template

Title of Workshop/ Business meeting:

Organizer(s) of workshop:

Outline of the workshop:

(Provide a short text of <100 words explaining the main objectives and scope of the workshop, and how much time you need for the workshop/meeting. Workshops will normally be held on Sunday 19th June, 2022 at the Swedish Museum of Natural History and will be followed by the Conference Icebreaker)

Approximate number of participants:

(Provide a realistic estimate of how many delegates you expect to participate in the workshop/business meeting based on your conversations with those involved. We need this information in order to assign rooms of an appropriate size)

Special requirements

(Rooms generally include access to a computer connection and Powerpoint projector and screen. Indicate whether you need any additional special audiovisual facilities, access to water/sinks, large layout tables, blackboards/whiteboards, or other technical support)

