



THE SOCIETY FOR ORGANIC PETROLOGY



NEWSLETTER

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The 39th Annual TSOP Meeting Joint Meeting with ICCP

**September 17-24, 2023
Patras, Greece**



photo from <https://www.greecetravel.com>

2023 Joint 74th ICCP and 39th TSOP Meeting**New Abstract Deadline: 9th July 2023****Short Course: 18th September 2023****Technical Sessions: 19-22 September 2023****Field Trip: 23-24 September 2023**

Please visit the meeting website for details:

<https://www.iccop.org/meetings/joint-74th-iccp-and-39th-tsop-meeting/>

For any questions and queries email: skalait@upatras.gr

**The Society for Organic Petrology**

TSOP is a society for scientists and engineers involved in coal petrology, kerogen petrology, organic geochemistry, and related disciplines. The Society organizes an annual technical meeting and field trips; sponsors research projects; provides funding for graduate students, and publishes a website, Facebook Page, quarterly newsletter, annual meeting program and abstracts and special publications. Members are eligible for discounted subscriptions to Elsevier journals *International Journal of Coal Geology* and *Review of Palaeobotany and Palynology*.

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GUIDELINES:

The TSOP Newsletter welcomes contributions from members and non-members alike. Readers are invited to submit items pertinent to TSOP members' fields of study. These might include meeting reports and reviews, book reviews, short technical contributions including those on geologic localities or laboratory methods, as well as creative works such as poems, cartoons and works of fiction. Photos, graphs and other illustrations are welcomed. Low-resolution images are discouraged, as they cannot be reproduced well in print. Articles are preferred in Microsoft Word, RTF or plain text formats.

Contact the Editor:

Biao Fu: editor@tsop.org

Membership Information:

Please report any changes in address or contact information to Brett Valentine, TSOP Membership Chair:
bvalentine@usgs.gov

Members can also update their own information by logging into the secure TSOP website:
www.tsop.org/mbrsonly/

The TSOP Newsletter is published quarterly by The Society for Organic Petrology and is distributed to all Society members as a benefit of membership.

Membership in the Society is open to all individuals involved in the fields of organic petrology and organic geochemistry. For more information on membership and Society activities, please see: www.tsop.org

For purposes of registration of the TSOP Newsletter, a permanent address is:
The Society for Organic Petrology
c/o American Geological Institute
4220 King St., Alexandria,
VA 22302-1520 USA

Newsletter Submission Deadlines

December Issue: Dec. 10th, 2023
March Issue: March 10th, 2023
June Issue: June 10th, 2023
September Issue: Sept. 10th, 2023

Table of Contents

President's Letter.....	4
TSOP Member Dues	5
TSOP Online Seminar	6
New Book Releases: Inorganic Geochemistry of Coal.....	7
Variations in Microscopic Properties of biomass char: Implications for Biochar Characterization	8
Calendar of Events.....	9

Dear TSOP Members,

Already it is my second but also my last winter writing to you as TSOP President; there is indeed no shortage of reminders about how fast time passes us by. I trust that you have been keeping well.

In March this year we kicked-off the TSOP Virtual Seminar series with an outstanding career presentation by Prof. Maria Mastalerz from Indiana University. We continued this trend by hosting the first TSOP Virtual Technical Seminar during June, with a presentation by Prof. Tim Moore titled "It's Hot in Hailar – The challenges of accumulating peat at 45°N in the Early Cretaceous of Inner Mongolia". Tim delivered an engaging talk and presented findings from a detailed study on the impact of fires on organic matter accumulation in the region. I urge you to watch his presentation using the link sent out to TSOP membership on June 13th, if you were unable to attend. On behalf of the membership and TSOP Council I wish to express our sincere thanks and appreciation to Tim for his time in preparing and delivering the talk, and especially for presenting at 9pm local time (Brisbane, Australia)!

On the topic of seminars, it is the intention of TSOP Council to host 3-4 seminars each year; one career presentation, one to two technical presentations and one student presentation. For the remainder of this year, we intend to host our first TSOP Virtual Student Seminar, which will also be a technical presentation. We are in the process of appointing a chair for the student liaison committee who will be tasked with organising the student seminar, but in the meantime, I invite suggestions for a student presentation (academic supervisors please take note) to be sent to me at Kaydy.Pinetown@environment.nsw.gov.au. Going forward, please send all suggestions for technical and career presentations to incoming TSOP President, Dr Lei Zhao at lei.zhao@y7mail.com. We would appreciate support from our community to continue hosting these seminars and would also value your feedback (via email if possible) on the seminar series.

TSOP's award committees have now mostly completed their selections or are in progress. TSOP elections for 2023 will be held in the coming weeks. Please look out for an email with the voting details and please participate in the election. I wish to thank Bill Huggett for running elections seamlessly each year, especially with changing over to a fully electronic ballot over recent years which means it will only take a few minutes.

If you have not done so already, visit the website and registration portal for the Joint 74th ICCP and 39th TSOP Meeting. The abstract deadline has been extended and the committee has been exceptional with responding to emails and requests.

My family and I are preparing to attend the meeting in Greece. I look forward to seeing many familiar faces and meeting as many new ones in Patras. Safe travels and see you in Greece.

Best wishes,

Kaydy Pinetown, TSOP President 2021-2023



TSOP Membership Dues

TSOP dues payments are due on or before **December 31st each year**. We encourage you to check your dues status and make your payment so that you can continue your TSOP membership and support the society and its work.

TSOP dues are currently set at:

Individuals:

- \$25 per year or
- \$100 for 5 years (5 years for the price of 4!)

Students:

- \$15 per year

Institutional/Corporate:

- \$75 per year

Join or Renew Your Membership



You can use our convenient online dues payment system to pay dues by credit card. You can login at the [Members Only TSOP](#) website and select 'Online dues payment' or go to www.tsop.org/dues and access the online form without logging in.

Thank you for your interest and support of TSOP and we look forward to a renewal of your TSOP membership.

TSOP is an AAPG Affiliated Society.
Abstracts from annual meetings are available through [AAPG Datapages](#)



www.facebook.com/OrganicPetrology

Join TSOP's growing community of professionals, researchers, and students on **LinkedIn:**
<https://www.linkedin.com/groups/12634595/>

2023 TSOP Online Seminar (Series II)

– presented by Prof. Tim A. Moore

On June 13th at 1pm CEST, TSOP council invited Prof. Tim Moore to be our second invited speaker for a technical presentation titled ‘**Its Hot in Hailar: The challenges of accumulating peat at 45° N in the Early Cretaceous of Inner Mongolia.**’ Tim Moore is an outstanding member of TSOP community, renowned scientist and Managing Director of Cipher Consulting Pty Ltd. Tim presented a great talk and interesting story about the paleoclimate in the areas of north-eastern Asia during the Early Cretaceous Age. The online talk attracted more than fifty colleagues and researchers to attend worldwide. On behalf of TSOP Council and our membership, we wish to thank Tim for an excellent presentation on very interesting research and a great contribution to the discipline. For those who missed the seminar, please find the link to the recording at this address: <https://youtu.be/z9LjNcCUobl>. Welcome to view the video if you unable to join the online seminar and share it to colleagues who might have interests.

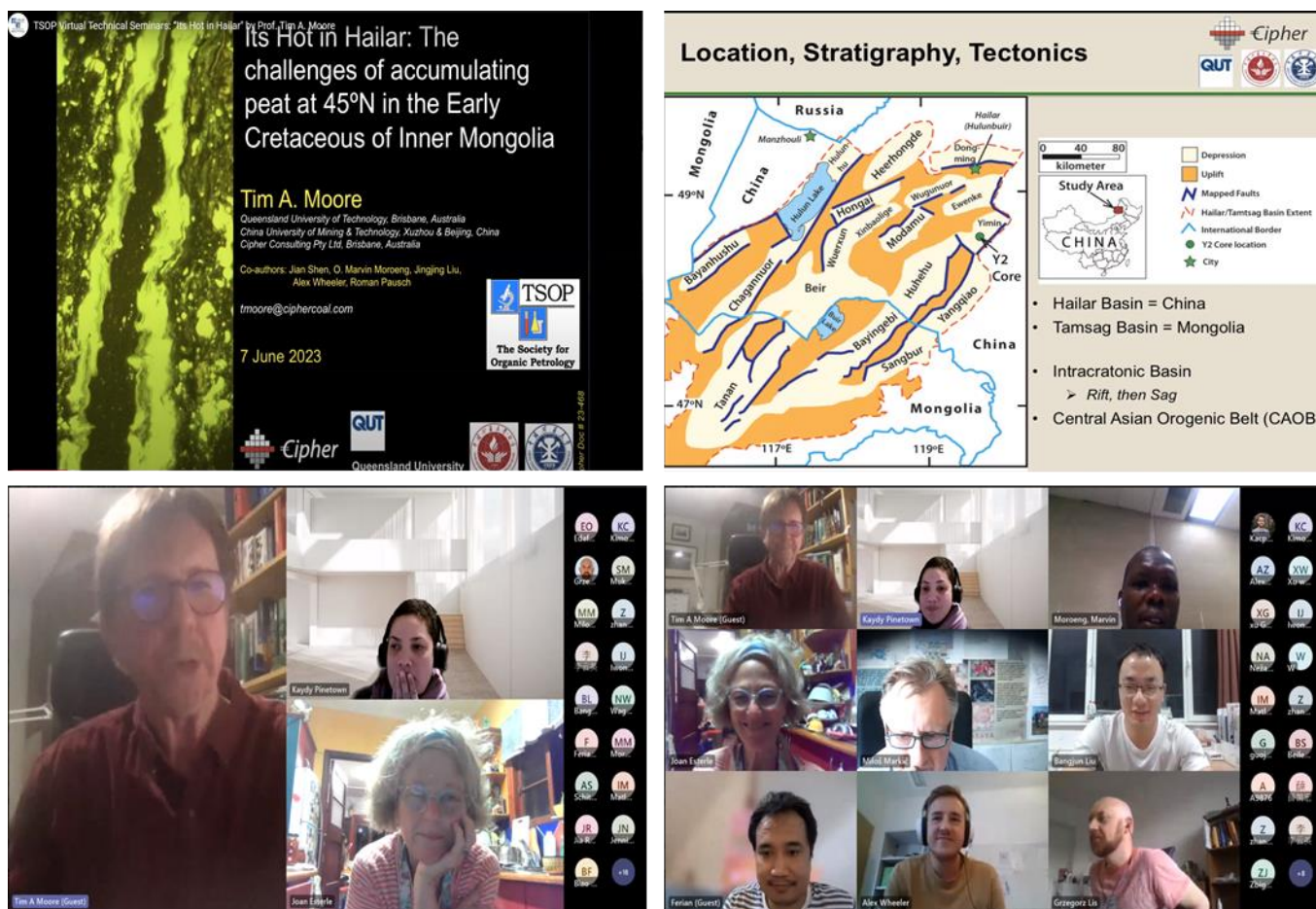
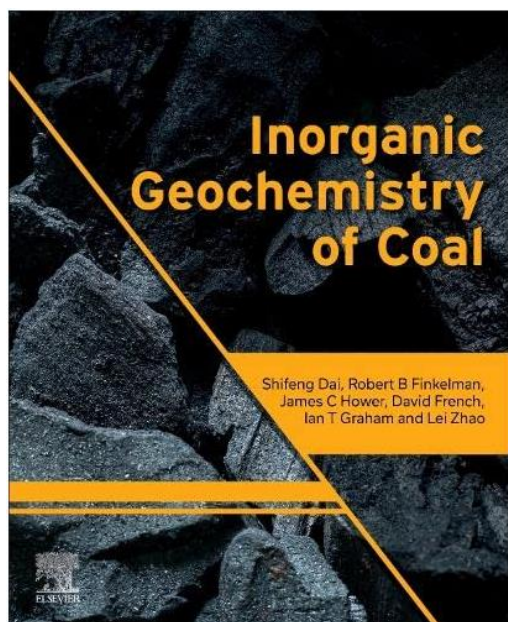


Figure. Screen shot of the TSOP online seminar.

New Book Releases: Inorganic Geochemistry of Coal



Inorganic Geochemistry of Coal

1st Edition - On June 30,2030

Authors: Shifeng Dai, Robert Finkelman, James Hower, David French, Ian Graham, Lei Zhao

Paperback ISBN: 9780323956345

Language: English

Imprint: Elsevier

Description

Inorganic Geochemistry of Coal explains how to determine the concentrations and modes of occurrence of elements in coal, how to diminish adverse effects of toxic elements on the environment and human health, which elements in coal could be industrially utilized, and which elements can be successfully used as indications for deciphering depositional environments and tectonic evolution. As coal use will remain at an all-time high for the next several decades, there is a critical need for understanding the properties of this fuel to ensure efficient use, encourage its economic by-product potential, and to help minimize its negative technological, environmental and health impacts.

- Features dozens of never-before published illustrations of critical features of the inorganic geochemistry of coal
- Covers both the theory and applications of the topic, including case studies to serve as real-world examples
- Includes a chapter on the health and environmental impacts of the mining, development and use of coal

VARIATIONS IN MICROSCOPIC PROPERTIES OF BIOMASS CHAR: IMPLICATIONS FOR BIOCHAR CHARACTERIZATION

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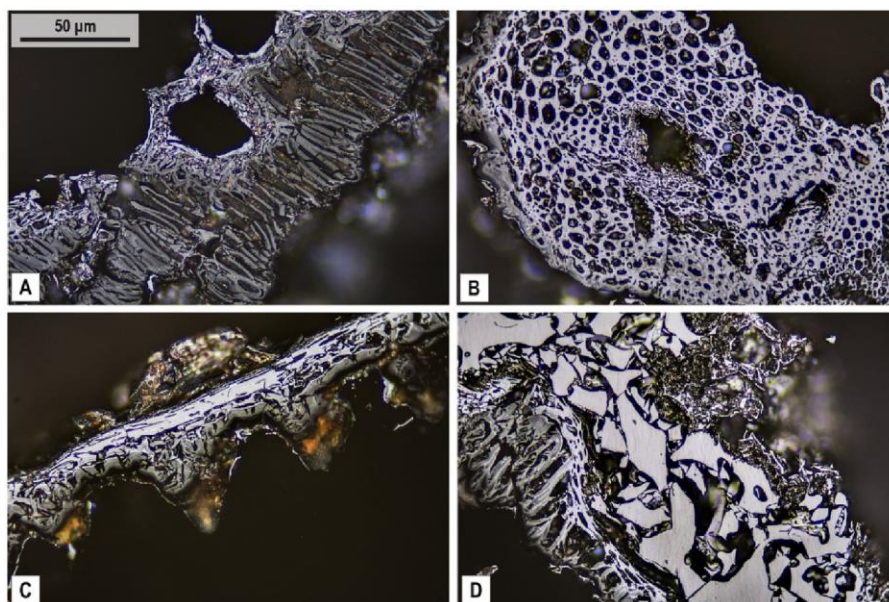
<https://doi.org/10.1016/j.coal.2023.104235>

Biochar, a carbon-rich material produced during the thermochemical conversion of biomass, is considered to be an important material for environmental applications and sustainable agriculture. With interest in its use growing, it is essential to understand how pyrolysis parameters control biochar properties and, subsequently, which analytical methods can be applied effectively in characterizing biochar. While various methods are already in use, the potential of reflected light microscopy analysis has not yet been widely explored.

This paper focuses on examining the microscopic properties of various biochars by implementing reflected light microscopy and assessing whether this technique has the potential to deliver quick, reliable, and essential information for biochar characterization. To support microscopic observations, selected physical (density and surface area) and chemical parameters (carbon and sulfur content, functional group distribution) of biochar samples were also determined.

Megascopically and microscopically, there is a considerable difference among biochars of different feeds, including their size and shape, porosity, ratio of the abundance of cellular to non-cellular pores, inorganic matter content, the ratio of thick-walled to thin-walled inertinite, or the ratio between high-reflectance inertinite to low-reflectance inertinite and their reactivity. The biochars studied also showed variations in the oxygenated groups contribution, a wide range of carbon content (14.7 to 98.8%), density (1.45 to 2.47 g/cm³), and surface areas (from <1 to 363.6 m²/g).

Our results demonstrate that microscopic characteristics and reflectance of biochar can provide crucial diagnostic value for predicting biochar properties and, in combination with other physical and chemical properties, help to enhance information about the biomass conversion process and potential practical use of biochar.



CALENDAR OF EVENTS

Please send in meeting, short course and special event announcements to the Editor
<http://www.tsop.org/events.html>

2023

	<p><i>July 9-14, 2023</i> <u>Goldschmidt Conference</u> – Lyon, France</p>
	<p><i>September 17-24, 2023</i> <u>39th Annual TSOP Meeting</u> – Patras, Greece</p>
	<p><i>September 7-24, 2023</i> <u>74th ICCP Annual Meeting</u> – Patras, Greece</p>
	<p><i>October 15-18, 2023</i> 2023 GSA Annual Meeting - Pittsburgh, PA, USA</p>