

The Newsletter of the International Association of Sedimentologists

Issue 2, 2019



Dear Member of the IAS,

As those of us in the Northern Hemisphere embrace the longer days and our colleagues in the Southern Hemisphere look forward to cooler times ahead it is time to grab a coffee, put your feet up and read through the latest issue of the Newsletter of the IAS. Highlights in this issue include a message from our President, an introduction to some of our Council and an example of how Community Outreach resulted in a new Sedimentological discovery. As we approach the end of the first quarter of 2019, we see a number of important grant application deadlines approaching – don't miss out. Read the Newsletter and get the dates in your diary.

In the 2nd edition of the Newsletter of the IAS...

- A message from Daniel Ariztegui, President of the IAS
- Last reminder - Membership renewal – we don't want you to lose your benefits!
- Call for IAS National Correspondents
- Deadline for abstract for the 34th IAS International Meeting of Sedimentology, Rome, Italy
- Last call for applications for IAS Post-Doctoral Research Grants (Spring 2019 Session)
- Last call for applications for Post-Graduate Research Grants (Spring 2019 Session)
- Last call for applications for Institutional Grants (Spring 2019 Session)
- Meet the Council – getting to know us
- New Grant Reports on the IAS web site
- The IAS and Geología – Sedimentology in the Community
- IAS Sponsored Sessions at the EGU
- Travel grants for IAS Student Members
- Meetings with IAS support
- Call for manuscripts for Volume 5 of the IAS Open Access Journal "The Depositional Record"
- News from our journals
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On behalf of the IAS Bureau,

Stephen Lokier
General Secretary

A message from the President

The unprecedented growth of technology and media that characterizes this first part of the 21st Century has challenged and redrawn the general perception of the role of professional societies. The International Association of Sedimentologists is no exception to this trend. We recognise the need to include the entire Sedimentological community as active participants carrying the Society forward into the future. In a globalised world, our scientific mission surpasses national boundaries. As part of this effort, the IAS aims to catalyse and support the endeavours of all sedimentologists through the invaluable assistance of our expanding network of [National Correspondents](#) positioned to communicate the needs of the [Membership](#) to the [Bureau](#).

The IAS communicates advances in the field of Sedimentology through a range of traditional means, including the Society range of [high impact Journals](#) and [Special Publications](#), as well as through our [Thematic Summer Schools](#). The Summer Schools bring together IAS Student Members from around the world. The participants not only accumulate a variety of information, but also learn to screen, analyse and transform this information into valuable knowledge. These schools are becoming a tradition and we want to keep sponsoring them while still allocating other scholarships and awards to promote and advance the field of Sedimentology. The invaluable help of an enthusiastic and diverse group of [Early Career Scientists](#) has been critical in galvanizing some of these developments. Collaboration with related societies further increases the visibility of sedimentology while serving individual scientists, students, and the public in general.

The world today confronts us with a kaleidoscope of 21st Century issues to be tackled in all their dimensions through different lenses. We need the entire community involved in helping us to choose the most appropriated lens to keep Sedimentology alive and abreast of the times in which we are living!

Daniel Ariztegui, President of the IAS

Membership renewal – renew now!

Being a Member of the IAS brings a plethora of [benefits](#) and offers truly stunning value for money.

The membership fees for 2019 remains at only **€25 for full members** (or €20 if you renew for 5 years at once) and **€10 for student members**. Please check our [Membership Benefits page](#) to discover all of the advantages of membership.

You can **renew your membership quickly and safely on [the IAS website](#)** (after login) or by clicking this big friendly green button →

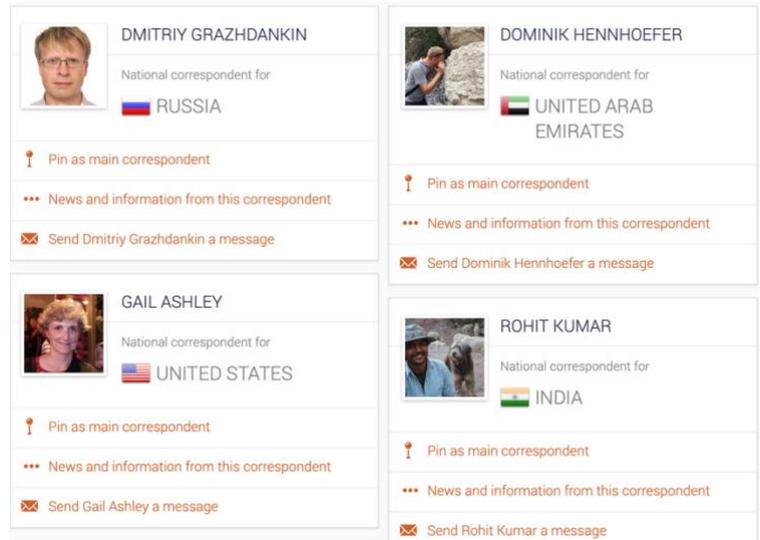
We shall soon be tidying up email lists and do not want to lose contact with you! Don't risk missing out on the fantastic benefits of membership of the IAS, renew today!



Get involved – Apply to become an IAS National Correspondent

IAS [National Correspondents](#) are IAS Members who have volunteered to act as a representative between sedimentologists in their host country and the IAS.

If you know of any sedimentology events going on in your country, then please get in touch with your National Correspondent and let them know. Similarly, if your country lacks a National Correspondent and you would like to propose an IAS Member (Full or Student), or yourself, for this position then please send an email to the [General Secretary](#).



This month, we welcome Rohit Kumar, our new National Correspondents for India.

The 34th IAS International Meeting of Sedimentology, Rome, Italy

Abstract submission for the **34th IAS International Meeting of Sedimentology** is now open! The deadline for abstract submission is fast approaching – 30th March 2019.



The **34th IAS International Meeting of Sedimentology** will take place in **Rome** between the **10th – 13th September 2019**. The theme of the meeting, ‘Sedimentology to face societal challenges on risk, resources and record of the past’, reflects a desire to discuss, compare and promote research in the context of societal changes from the perspective of Sedimentology and Sedimentary Geology.

Details of the meeting are available [here](#) or on the [IAS website](#).

LAST CALL for applications for IAS Post-Doctoral Research Grants (Spring 2019 Session)

[IAS Post-Doctoral Research Grants](#) are intended as a seed to assist Early-Career post-doctoral researchers in either establishing a proof of concept, in order to support applications to national research funding bodies, or to fund areas of a project that were not included in the original project scope.

Up to 4 grants, each to a maximum of €2,500, are awarded twice per year to Early Career IAS members.

The application requires submission of a research proposal with budget and CV (template provided on the [submission webpage](#)), and a letter of support from the researcher’s supervisor, line manager or Head of

School. More details about the application procedure can be found [here](#). Application deadline for the Spring 2019 Session is **31st March 2019**.

Eligibility:

- Applicants must be full members of the IAS.
- Applicants must have secured their Ph.D. within the previous 7 years.
- Applicants can only benefit from a Post-Doctoral grant on one occasion.

LAST CALL for applications for Post-Graduate Research Grants (Spring 2019 Session)

Up to [10 research grants](#), each to a maximum of €1,000, are awarded twice a year to **IAS Post-Graduate Student Members**. This grant scheme is designed to support PhD students in their studies and research. Post-Graduate Research Grants can be used to (co-)finance fieldwork, acquisition and analysis of data, visits to other institutes to use specialized facilities, etc.

Applications must be submitted via the [IAS website](#). Application deadline for the Spring 2019 Session is **31st March 2019**.

More information about the Post-Graduate Grant Scheme and guidelines on how to apply can be found [here](#).

LAST CALL for applications for Institutional Grants (Spring 2019 Session)

Twice a year, IAS awards an [Institutional Grant](#) of maximum 10,000 Euro, which is intended to support capacity building initiatives in less developed countries (LDCs). Grants will allow earth science departments in LDCs to acquire durable sedimentological equipment for teaching and research, or tools that can be used by all geology students. The grant application should thus clearly demonstrate how the grant will increase the recipient's capacity to teach sedimentology at undergraduate level in a sustainable way.

Applications have to be submitted via the [IAS website](#). Application deadline for the Spring 2019 Session is **31st March 2019**.

More information about the Institutional Grant Scheme and guidelines on how to apply can be found [here](#).

Getting to know us....

Over the coming months we shall be introducing you to the members of the IAS Bureau and Council. Both the Bureau and the Council of the IAS are comprised of active Sedimentologists who have volunteered their time to ensure the continued future of the Society. This month we shall be introducing two members of our council. The Council of the IAS comprises 6 experienced Ordinary or Honorary IAS Members elected to act in an advisory role to the Bureau.

Emese M. Bordy

Emese M. Bordy (Ph.D. 2001, Rhodes University) is an Associate Professor in the Department of Geological Sciences at the University of Cape Town, South Africa. She is an elected member of the IAS Council until 2022. In her role as an IAS councillor, she is tasked to provide non-binding advice to the IAS Bureau on matters relating to the management of the IAS, ethical issues, awarding of honours, awards, and prizes, etc.



Emese with her family: Lilla and Robert

Emese's main research interest lies within the Palaeozoic and Mesozoic deposits of southern Gondwana with a strong focus on the quantification of the climatic and tectonic signatures in sedimentary and biogeographic processes. She enjoys integrating multidisciplinary observations from palaeoecological proxies to obtain robust snapshots of the African geological past, and to answer globally relevant questions on the forcing mechanisms of environmental change. She currently teaches sedimentology and stratigraphy and leads an active research group which comprises MSc and PhD students whom she supervises on mostly field-based research projects. Her main study area is the Karoo Basins of southern Africa, which contain an unparalleled record of past animal and plant life. These rocks also recorded the landscape changes that happened both gradually but also suddenly during global biocrisis events some 260, 250 and 200 million years ago. To reproduce credible palaeoenvironmental histories for southern Gondwana and to tell how its land-dwelling biota behaved, Emese also works on continental ichnology projects. While the fossil bones in the Karoo tell the story about the animals' anatomy, the traces that the Karoo animals left behind in the sediments tell the story about their behaviour, which is not recorded in bones. After all, actions speak louder than bones. For more about her academic career (publications, current projects, etc.), visit this [webpage](#).

Marianna Tuchkova

Marianna Tuchkova (Phd, Geological Institute of the Russian Academy of Sciences, Moscow, Russia) – is chief researcher of the Laboratory of Ocean Tectonics and Ocean Zones of the Geological Institute of the Russian Academy of Sciences. For several years (from 2009 to 2018) Marianna was the National Correspondent of IAS in Russia. She is an elected member of the IAS Council until 2022. In her role as an IAS councillor, she is tasked to provide non-binding advice to the IAS Bureau.



Research interests are focused on the study of the Arctic basins of Russia. The main objects of study are the Paleozoic and Mesozoic deposits of the Russian Arctic, but the study of the Triassic deposits of Chukotka is a priority. The main direction of Marianna's research – sedimentology and tectonics, evaluation of the impact of tectonic processes on sedimentology. Marianne in her research

most often uses petrography, geochemistry of sedimentary rock and facies analysis. But to achieve a good result also uses other modern sedimentological methods.

Marianna currently works at the Institute of the Russian Academy of Sciences, but occasionally lectures on Sedimentology at Moscow State University, Kazan Federal University and, sometimes, at oil companies.

Three new Grant Reports are now available on the IAS web site

You can read the Reports from IAS members who have benefited from IAS [Post-Doctoral](#) or [Post-Graduate](#) grants [here](#). Simply click on the 'Grant Reports' tab at the top of the page.

 <p>CHENLIANG WU</p> <p>Linking autogenic and allogenic controls on fluvial-deltaic stratigraphy through hydrodynamics of non-uniform flow: tested in the Western Irish Namurian Basin, County Clare, Ireland</p> <p>Download report</p>	 <p>SOPHIE HAGE</p> <p>Are turbidity currents an efficient agent for organic carbon burial in marine sediments?</p> <p>Download report</p>
 <p>MAXIMILIANO PAZ</p> <p>Ichtnology, sedimentary facies, sequence stratigraphy and geochemistry of black shales from the Upper Jurassic - Lower Cretaceous Vaca Muerta Formation, Neuquen Basin, Argentina</p> <p>Download report</p>	

The IAS and Geología – Sedimentology in the Community

Geología ('Geology-Day') is an initiative organized by the Geological Society of Spain, in an attempt to bring geology closer to the general public through the observation of landscapes and rocks in the field. In May 2018, more than 9,000 people were guided by 600 volunteers during 56 free field excursions throughout all of the Spanish provinces and Andorra. With the focus *Look where you walk* Geología demonstrates how the Earth below our feet is critical for our lives and that Geology is a fascinating science. All the details of Geología can be found [here](#).

Members of the public joining Geología have even contributed to the advancement of the field of Sedimentology! During Geología 10, one of the participants in Gran Canaria showed the organizers an unusual rock - previously undescribed carbonate tufa. Once our colleagues from Gran Canaria, had informed us of the discovery, we undertook a detailed sedimentological analysis and the results were subsequently published in [Sedimentology](#). There we described that the tufa system was formed by the water carried a banana plantation irrigation system. The formation of the tufa system was very fast and relatively recent. We also found an unusual dating method, a large coated clast whose nucleus was made of expandable polystyrene (EPS). The EPS was patented as Styropor in 1951. In short, carbonate deposition probably started by the 1950s and stopped around the 1980s, giving a maximum range of 40 years for the formation of the Calabozo carbonate build-up. During this time the irrigation system controlled the formation of the tufa, and the lamination found within its different facies. The formation of the minerals was controlled by the irrigation periods, inducing different scale laminations (seasonal, daily). In short, the features within the tufa were mostly controlled by human activity. This caught the attention of the Spanish media, with the story being covered in newspapers, radio and digital media. Most

recently, the research was featured on the back cover of one of most significant general Spanish newspaper (El País) on 26th December 2018.

In short, the general public is very interested in Sedimentology and diffusion activities not only contribute to show our scientific discipline but also to their development. Without Geología, we would never have known about the outcrop, and the paper would have not been written.

Ana M^a Alonso Zarza, Dept Petrología y Geoquímica

The IAS is proud to be a sponsor of [Geología '19](#)

IAS Sponsored Sessions at the EGU

The IAS is sponsoring eight sessions at the 2019 EGU General Assembly in Vienna in April. We are proud to announce that the Jean Baptiste Lamarck Medal Lecture, by Isabel P. Montañez, will be presented during the IAS-sponsored session *SSP2.5 - Paleozoic to Mesozoic stratigraphy, paleoceanography and paleoclimate*.



Full details of all of the sessions co-sponsored by the IAS can be found [here](#).

Travel grants for IAS Student Members

Student members of the IAS are able to apply for travel grants for the following meetings:

- EGU General Assembly 2019 (7-12 April 2019, Vienna, Austria)
- 16th International Meeting of Carbonate Sedimentologists — "Bathurst Meeting" (9-11 July 2019, Palma de Mallorca, Spain)
- 19th International Congress on the Carboniferous and Permian (29 July - 2 August 2019, Cologne, Germany)
- Summer School on Speleothem Science (S4) (11-17 August 2019, Cluj, Romania)
- 34th IAS Meeting of Sedimentology — "Sedimentology – to face societal challenges on risk, resources and record of the past" (Rome, Italy; 10-13 September 2019)
- M-fed conference — "Microbialites: formation, evolution, diagenesis" (28-30 October 2019, Dijon, France)
- Climate Change, The Karst Record — "KR9 Conference" (12-15 July 2020, Innsbruck, Austria)

All travel grants are listed on the IAS website in the [Members-Only Events Timeline](#).

Application rules and eligibility criteria for IAS Student Travel Grants:

- Applicants must be active IAS Student Members at the time of submitting a travel grant application;
- Applicants can apply for a travel grant twice per calendar year: once for an IAS meeting (IMS or ISC) and once for any other IAS-sponsored meeting;

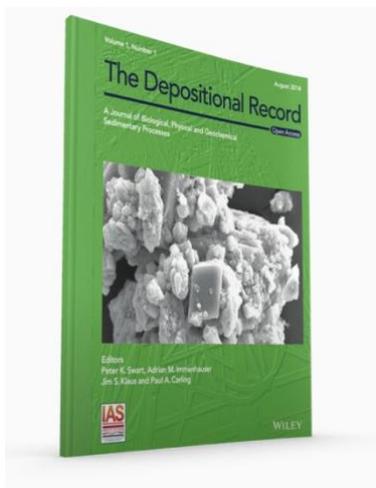
- Applicants must have an active and approved (oral or poster) presentation at the meeting (unless the meeting format does not include oral or poster presentations), on a topic of sedimentological relevance.

Meetings with IAS support

- EGU General Assembly 2019 (7-12 April 2019, Vienna, Austria)
- 16th International Meeting of Carbonate Sedimentologists — "Bathurst Meeting" (9-11 July 2019, Palma de Mallorca, Spain)
- 19th International Congress on the Carboniferous and Permian (29 July - 2 August 2019, Cologne, Germany)
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All meetings with IAS support are also listed on the website in the [members-only Events Timeline](#). The listings include the option for downloading the event period in your calendar.

Call for manuscripts for Open Access Journal “The Depositional Record”



[The Depositional Record](#) is IAS's **Open Access Journal**. It covers all timescales, from Ancient to Modern Earth, and welcomes articles from across the field of sedimentology, and in particular articles dealing with paleoclimate, changes in the chemical environment, ocean acidification, extra-terrestrial sedimentology, and the application of genetic methods to understanding sedimentological processes.

The journal is now collecting manuscripts for Volume 5. All papers are freely accessible to everyone [here](#). For more information, please visit the [journal website](#) and the [manuscript submission page](#).

Article Processing Charges (APC) will be covered by IAS until the journal has received an impact factor.

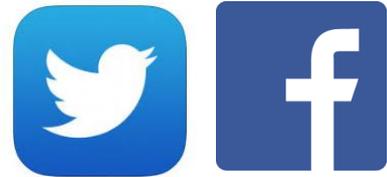
News from our journals

For a quick overview of the latest issues of **Sedimentology**, **Basin Research** and **The Depositional Record**, follow these links:

- **Sedimentology**: directly at [Wiley](#) or via the [IAS website](#) (after login) for member access
- **Basin Research**: directly at [Wiley](#) or via the [IAS website](#) (after login) for member access
- **The Depositional Record**: directly at [Wiley](#) or via the [IAS website](#)

You can also keep track of all newly published articles on the continuously updated [members-only News Timeline](#) on the IAS website.

The IAS on Facebook and Twitter



The IAS is very active on [Facebook](#) and [Twitter](#).

Follow us [@sedimentology](#) to keep up to date with all things sedimentological.

Job adverts

You can find more information about recent job adverts on our [members-only Job Offers Timeline](#).