



Japan Association of Mineralogical Sciences

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FROM THE PRESIDENT



This year, many societies around the world overcame COVID-19 and resumed their academic activities. The Japan Association of Mineralogical Sciences (JAMS) also held its first face-to-face conference in three years this September at Niigata University. Many members gathered at the venue, and lively discussions took place. I was reminded of the advantages of in-person conferences. It is great honor for me to have been appointed the president of JAMS at this time.

The JAMS supported several activities for the 2022 Year of Mineralogy. These activities will be continued in the future, including a textbook on mineralogy highlighting recent global progress in mineralogy and special issues of academic journals across the Earth and planetary sciences. The *Journal of Mineralogical and Petrological Sciences* published by JAMS has become a fully electric journal under the leadership of Former President Ritsuo Miyawaki since this January. You can access the following URL to browse our open access journal: www.jstage.jst.go.jp/browse/jmps.

The *Journal of Mineralogical and Petrological Sciences* covers the research field of Earth and planetary sciences including mineralogy, petrology, geochronology, material sciences, and environmental sciences. We hope that many researchers around the world will make use of this journal. Your contributions are sincerely welcome.

We are still confronting COVID-19. However, many universities and research institutes have resumed educational activities such as lectures and practices, as well as research activities in the field and laboratories. We organized two special sessions and eight regular sessions in the annual conference at Niigata including mineralogy, petrology, environmental sciences, and planetary sciences. We will hold our next annual conference in September 2023 at Osaka Metropolitan University. This will also be scheduled as a face-to-face conference. Attractive sessions are expected to be planned for the next conference, and we are committed to promoting the appeal of mineralogical science. We want to share the joy of science with as many people as possible.

Six years have passed since JAMS became an incorporated association, and our activities have been on track. This means that we have improved our legal compliance and obligations through (1) improved reliability in both our academic and societal functions, (2) legal stability through a clarification of our responsibilities, and (3) holding of properties. JAMS will continue to make a conscious effort as an *Elements* member. Mineralogical science not only contributes to the development of scientific research but also helps significantly reduce and prevent the societal impacts of natural disasters, such as megaquakes and large-scale volcanic eruptions, and contributes to disposal techniques for radioactive waste. We would like to develop mineralogical science as a "rich science" that connects with many fields of Earth and planetary sciences.

Prof. Masaaki Owada
President

INVITATION TO THE JAPAN GEOSCIENCE UNION MEETING 2023

We are pleased to inform you that the Japan Geoscience Union (JpGU) meeting will be held 21–26 May 2023 at Makuhari Messe in Chiba, Japan. JpGU is a large organization of 51 academic councils related to Earth and planetary sciences with about 10,000 members. The 2023 JpGU meeting will consist of hybrid oral sessions and in-person/online poster sessions; all sessions will take place within one week. We will try to provide you with up-to-date information so that you can choose whether to participate onsite or online at the appropriate time and in the appropriate way. We encourage you to apply regardless of the form of participation and look forward to lively discussions both onsite and online. More information is available at www.jpгу.org/meeting_e2023.

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Original Articles

Zircon U–Pb ages of the pegmatites in the Kontum massif, central Vietnam and their quality evaluation for ceramic industry. Truong Chi CUONG, Pham Trung HIEU, Pham MINH, Kenta KAWAGUCHI, Nong Thi Quynh ANH, Khuong The HUNG

Geochronology and geochemistry of granitoids from the Mongolian Altai. Dolzodmaa BOLDBAATAR, Yasuhito OSANAI, Nobuhiko NAKANO, Tatsuro ADACHI, Jargalan SEREENEN, Ippei KITANO, Kundzy SYERYEKKHAAN

Letters

Neutron diffraction study of hydrogen site occupancy in Fe_{0.95}Si_{0.05} at 14.7 GPa and 800 K. Yuichiro MORI, Hiroyuki KAGI, Sho KAKIZAWA, Kazuki KOMATSU, Chikara SHITO, Riko IIZUKA–OKU, Katsutoshi AOKI, Takanori HATTORI, Asami SANO–FURUKAWA, Ken–ichi FUNAKOSHI, Hirouyuki SAITOH

Compositional variation of talc in metamorphosed serpentinites from Southwest Japan. Toshio NOZAKA, Daisuke MIYAMOTO

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Structural evolution of gypsum (CaSO₄·2H₂O) during thermal dehydration. Atsushi KYONO, Ryutaro IKEDA, Sota TAKAGI, Wataru NISHIYASU

Origin of xenoliths within the Hime–shima volcanic group, Kyushu, southwestern Japan Arc. Takehiro HIRAYAMA, Tomoyuki SHIBATA, Masako YOSHIKAWA, Khadidja ABOU–KÉBIR, Kosuke KIMURA, Yasuhito OSANAI, Kaushik DAS, Yasutaka HAYASAKA, Keiji TAKEMURA

Oxyttrobetafite–(Y), Y₂Ti₂O₆O, a new mineral of the pyrochlore supergroup in a pegmatite from Souri Valley, Komono, Mie Prefecture Japan. Daisuke NISHIO–HAMANE, Koichi MOMMA, Masayuki OHNISHI, Sachio INABA

Multiple origins of UHP eclogites in a garnet peridotite block (Nové Dvory, Czech Republic) and short duration of heating. Yu ITAMI, Daisuke NAKAMURA, Atsushi YASUMOTO, Takao HIRAJIMA, Martin SVOJTKA



Compositional dependence of intensity and electric field gradient tensors for Fe^{2+} at the M1 site in Ca-rich pyroxene by single crystal Mössbauer spectroscopy. Daiki FUKUYAMA, Keiji SHINODA, Daigo TAKAGI, Yasuhiro KOBAYASHI

Ultrahigh-temperature metamorphism and melt inclusions from the Sør Rondane Mountains, East Antarctica. Fumiko HIGASHINO, Tetsuo KAWAKAMI

Platinum-group minerals in the placer deposit in northwestern Hokkaido, Japan: description of a new mineral, tomamaeite. Daisuke NISHIO-HAMANE, Katsuyuki SAITO

Formation of corundum in direct contact with quartz and biotite in clockwise P-T trajectory from the Sør Rondane Mountains, East Antarctica. Tomokazu HOKADA, Tatsuro ADACHI, Yasuhito OSANAI, Nobuhiko NAKANO, Sotaro BABA, Tsuyoshi TOYOSHIMA

Association of hydrothermal plagioclase alteration with micropores in a granite: Petrographic indicators to evaluate the extent of hydrothermal alteration. Takashi YUGUCHI, Yuya IZUMINO, Eiji SASAO

Age, provenance and geological significance of (meta)-sedimentary rocks in the Yitong-Gongzhuling area, NE China: Constraints from zircon U-Pb geochronology. Shengnan SUN, Zuozhen HAN, Zhigang SONG

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Geochemical characteristics of an ophiolitic complex from Mt. Tenzan area, Saga Prefecture, northern Kyushu. Yusaku TANAKA, Keisuke ESHIMA, Masaaki OWADA

Tracht change of groundmass pyroxene crystals in decompression experiments. Shota H. OKUMURA, Satoshi OKUMURA, Akira MIYAKE

In situ X-ray diffraction study of the phase boundary between diaspore and δ -AlOOH. Akio SUZUKI

Decoupling of U-Pb ages and compositional zoning of garnet in a high-pressure marble from the eastern Iratsu body, Sanbagawa metamorphic terrane, Japan. Sota NIKI, Kenta YOSHIDA, Hikaru SAWADA, Ryosuke OYANAGI, Takafumi HIRATA

Technical Note

Determination of the laser-induced damage threshold for graphite and coal with deep-UV micro-Raman spectroscopy. Yoshihiro NAKAMURA, Koji U. TAKAHASHI, Jun HOSOI, Hidetoshi HARA

Dear colleagues and members of the SEM,

It is my pleasure and a great honor to serve the mineralogical community as the new President of the Spanish Mineralogical Society (Sociedad Española de Mineralogía, SEM) at the start of 2023, taking over from Prof. Blanca Bauluz Lázaro. I thank Blanca and each of the members of the previous executive council whose effort, enthusiasm, and good work will be an example for me to follow.

The elections took place at the General Assembly held on 1 July 2022 in Baeza (Jaén, Spain) at which a new Vice-President, a new Treasurer, and five Councilors were also elected. The new council members are M. Isabel Abad-Martínez (University of Jaen, Vice-President), Pedro Álvarez-Lloret (University of Oviedo, Treasurer), and Councilors David Benavente (University of Alicante), Pedro Pablo Gil-Crespo (University of the Basque Country), Javier Martínez-Martínez (Spanish Geological Survey, Madrid), Salvador Morales-Ruano (University of Granada), and Cristina Villanova de Benavent (University of Barcelona).



With its almost 50 years of history, the SEM has today a stable number of about 250 members and is happy to count among them a good number of young researchers who participate very actively, animate the activities of the society, and suggest new activities with enthusiasm.

I will do my best to progress in the purposes of the SEM, focused on the promotion, diffusion, and dissemination of science. I deeply believe that the SEM and mineralogy can be useful for the progress of society and our lives. I also believe that we can achieve this effectively through a program focused on international collaboration, helping members and all mineralogists in their needs and our commitment to the service of society.

Ángeles Fernández-González
SEM President