



# Mineralogical Association of Canada

[www.mineralogicalassociation.ca](http://www.mineralogicalassociation.ca)

## THE CANADIAN JOURNAL OF MINERALOGY AND PETROLOGY NEWS

### Highlights

The November issue of *CJMP*, not yet available online at the time of this writing (but definitely by the time you read this), will include our normal cornucopia of mineralogically related geological delights, and the complete compilation of the extended abstracts from the 2023 meetings of the Wager & Brown Layered Intrusion Workshop and the 14<sup>th</sup> International Platinum Symposium. These insights into the most recent thought innovations on the world of magmatic-hosted PGE deposits and their settings will be available for your holiday seasonal viewing pleasure.

### Our Associate Editors

As a means of both gratefully acknowledging and promoting the efforts of researchers in the mineralogical and geoscience community who donate their time to the necessary task of facilitating effective peer review, we continue to use this space to feature our Associate Editors (AE's). In this issue, we feature two more of our long-standing contributors from our expertise-base.



#### Dante Canil

Prof. Canil has been employed in the School of Earth and Ocean Sciences at the University of Victoria (Canada) since 1994. Prior to that, he was a research scientist at the Bayerisches Geoinstitut in Bayreuth (Germany), after having acquired his PhD at the University of Alberta (Canada, where he was a contemporary and colleague of this editor). His fields of interest

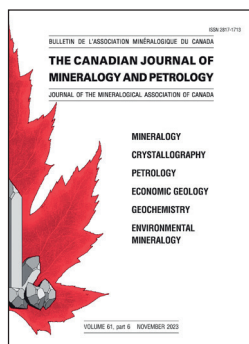
are broad and include experimental and igneous petrology, mantle and crustal evolution, geothermobarometry, and deeper Earth geochemical cycles. His most recent publications involve arc-crustal sections, mantle xenoliths, and intraplate lavas (from the Canadian Cordillera), and CO<sub>2</sub> sources in arc magmas. His most cited works concern mantle redox over time and the calibration of various thermometers and barometers. Prof. Canil has served as an associate editor of *CJMP* since 2022 and is also Co-Editor in Chief for *Contributions to Mineralogy and Petrology*.



#### Olivier Nadeau

Olivier obtained his PhD from McGill University (Canada), studying Merapi Volcano in Indonesia, and then completed a postdoctoral fellowship at Université du Québec à Montréal (Canada), investigating the Montviel carbonatite-hosted REE-Nb deposit and intrusion-related/orogenic Au deposits, Abitibi. He subsequently developed Li isotopes as a tool to study hydrothermal alteration and mineralization, by observing a variety

of different geological systems, as a term professor at the University of Ottawa (Canada). He then moved to Wuhan, China, where he conducted research on Yanshanian and Tibetan porphyries/skarns, serving as a professor in the China University of Geosciences. He recently returned home to Canada, where he is currently employed as a metallogenist for IOS Services Géoscientifiques. He joined the associate editorial team of *CJMP* in 2023.



## CALL FOR PAPERS – INVITATION REMINDERS

*The Canadian Journal of Mineralogy and Petrology (CJMP)*, formerly *The Canadian Mineralogist*, covers a variety of topics including petrology, crystal chemistry, ore deposits, and applied mineralogy.

### Thematic Issue on Critical Minerals

*The Canadian Journal of Mineralogy and Petrology (CJMP)* is announcing a second volume of a Thematic Issue on Critical Minerals. The last volume was released in November 2022 and covered a variety of mineral commodities with V, Li, PGEs, and REEs occurring in a multitude of petrogenetic environments.

The editorial team will be led by Dr. Tania Martins from the Manitoba Geological Survey (Canada), who has worked extensively on Li-Cs-Ta-Sn-bearing pegmatites in Portugal, as well as in central Canada. She will be joined by Dr. Anton Chakhmouradian from the University of Manitoba (Canada), whose focus is on carbonatites and associated rocks; Dr. Marc Rinne from the Manitoba Geological Survey (Canada) with expertise in magmatic nickel, volcanogenic, and intrusion-related sulfide deposits; and Dr. Jon Errandonea from the University of the Basque Country (Spain) with expertise in Variscan peraluminous granite magmatism of the Iberian Massif and Li mineralization in pegmatites and evolved granites.

Submissions are invited on any topic involving the mineralogy or petrogenesis of any critical minerals (not limited to those mentioned above). The deadline for submissions is **March 31, 2024** (with a target date for publication six months from then). Potential contributors should contact Tania Martins at [Tania.Martins@gov.mb.ca](mailto:Tania.Martins@gov.mb.ca).

### Thematic Issue in honour of Jim Franklin

Jim has influenced so very many, near and wide, with his ideas on the formation of massive sulfide and many other ore deposit types, his dedication to the Earth sciences covers the gamut of mentoring, researching, managing, and outreach. To recognize the impact he has had and continues to have on our science, a special issue of *The Canadian Journal of Mineralogy and Petrology (CJMP)* is being developed in his honour.

Jim is retired as Chief Geoscientist at the Geological Survey of Canada and he continues as a consultant and principal for several companies. He has always had a passion for ore deposits research. He also delved into many aspects of ore deposits, ranging from their geochemistry, mineralogy, geological setting, isotopic signatures, etc., so a contribution that falls into any of one these related areas would be welcomed. Our goal is to showcase research that highlights Jim's long-term contributions.

The plan right now is to have contributions submitted by **March 2024**, followed by reviews being conducted shortly thereafter, with a target date for publication later in **2024**. Another goal that we are working on is to be able to provide partial or complete open access for the articles published in this issue.

If you are interested in providing a submission, please send an email to one of the guest editors, Dan Marshall: [marshall@sfu.ca](mailto:marshall@sfu.ca), Steve Piercey: [spiercey@mun.ca](mailto:spiercey@mun.ca), or Lyn Anglin: [anglin.cd@gmail.com](mailto:anglin.cd@gmail.com) with an idea of what your paper will involve.

We personally invite you to be part of these initiatives and to consider submitting a paper to one of these very special issues. If you are unable to contribute, you may be willing to serve as a reviewer for the contributions received and we would equally welcome hearing from you.

GAC-MAC-PEG 2024

AGC-AMC-PEG 2024

## AT THE HEART OF THE CONTINENT AU COEUR DU CONTINENT

BRANDON, MB

### BRANDON GAC-MAC-PEG 2024 JOINT ANNUAL MEETING

May 19–22, 2024

Brandon University, in Brandon, Manitoba, Canada  
*At the Heart of the Continent – Au Cœur du Continent*

The 2024 Joint Annual Meeting of the **Geological Association of Canada (GAC)** and the **Mineralogical Association of Canada (MAC)** will be held on **May 19–22, 2024**, at Brandon University, Manitoba, Canada. This meeting will include all the expected GAC and MAC programming, as well as the **10<sup>th</sup> International Symposium on Granitic Pegmatites** with field trips and special sessions.

REGISTRATION IS OPEN: lower registration fees will be applied to those who register before **April 7, 2024**.

Below are just a few of the events that will potentially take place.

#### PLENARY LECTURES

##### MAC Peacock and Young Scientist Medalists

Sponsored by MAC

**Professor Robert F. Martin**, MAC Special Publications Editors, and *The Canadian Mineralogist* Former Editor.

Sponsored by PEG 2024 – the 10<sup>th</sup> International Symposium on Granitic Pegmatites

#### SYMPOSIA

##### 10<sup>th</sup> International Symposium on Granitic Pegmatites dedicated to Professor Robert F. Martin

Sponsored by PEG 2024 – the 10<sup>th</sup> International Symposium on Granitic Pegmatites

**CHAIRS:** Tania Martins (Manitoba Geological Survey, Canada), Lee Groat (University of British Columbia, Canada), Encarnacion Roda-Robles (University of Basque County, Spain), Alexandre Lima (University of Porto, Portugal)

**DURATION:** Three days of technical talks and posters

The symposium will have an emphasis on “The Origin of Pegmatite Melts”, “Pegmatite Minerals and Gems”, “Secondary Processes in Pegmatites”, “Host Rock-Pegmatite Interaction”; and “Recent Advances in Geochronology of Pegmatites” to cite a few thematic sessions.

##### “Pegmatite Minerals and Gems”

**CHAIR(S):** Dan Marshall and Lee Groat

Gems are generated in a variety of geological environments. The most common environment for their genesis generally involves proximity to or interaction with pegmatites. The various modes of gem formation have been studied for decades and formational models are continually being proposed and modified as new discoveries are developed. In this session, we welcome presentations on geological environments, geochemistry, petrology, fluid and melt inclusion studies, as well as gem enhancement processes for gems associated with pegmatites and associated rocks.

#### SPECIAL SESSIONS

##### Mineralogy

##### Precious and Semi-Precious Gems and Earth Materials

Sponsor: MAC – Mineralogical Association of Canada

**ORGANIZERS:** Lee Groat, Dan Marshall

**DURATION:** One day of oral and poster presentations

An open session discussing the occurrence, geology, mineralogy, and geochemistry of all types of precious and semi-precious minerals and Earth materials including jade, turquoise, quartz varieties, diamonds, biogenic materials, and “ordinary minerals” with “extraordinary qualities”.

#### GENERAL SESSION

##### Mineralogy and Crystallography

**DURATION:** One day of oral and poster presentations

For this session, we welcome abstracts describing recent advances in mineralogy, crystallography, and related fields.

#### FIELD TRIPS

##### Pegmatites of the Winnipeg River-Cat Lake pegmatite field (MB) and Separation Rapids (ON)

Sponsored by PEG 2024 – the 10<sup>th</sup> International Symposium on Granitic Pegmatites

**ORGANIZER:** PEG, main contact: Tania Martins

**DATE AND TIME:** Post-conference, May 23 AM to May 26 PM

**DEPARTURE AND DESTINATION:** Round trip out of Winnipeg

During this four-day field trip, we will visit lithium pegmatites in Manitoba (Cat Lake-Winnipeg River pegmatite field) and northwestern Ontario (Separation Rapids pegmatite field). Visits will focus on different aspects of the pegmatites including mineralogy, emplacement controls, and regional geology. Examples of pegmatites we will visit include the Eagle, FD no.5, Tanco, Big Mack, and Big Whopper. The Tanco portion of the trip is expected to include visits to the underground workings and the spodumene mill and viewing of drill core. We are also planning to view the paragenetic collection of the Tanco pegmatite organized by Petr Černý and located at the University of Manitoba.

#### 2024 TUCSON GEM & MINERAL SHOW®

##### PEGMATITES – Crystals Big and Beautiful

**February 8–11, 2024**

Tucson Convention Center

42<sup>nd</sup> FM-TGMS-MSA Tucson Symposium February 10, 2024

10:55 AM	Michael Menzies, Gem Pegmatites
1:30 PM	Robert F. Martin, Cleavelandite: Only Crystals Small and Beautiful

#### THE TUCSON GEM AND MINERAL SHOW BOOK SIGNING EVENT

Friday, February 9  
1pm – 3pm  
Tucson  
Convention Center  
Booth #1226



Don't miss the  
SP15 book signing  
event with  
Michael Menzies,  
Jeffrey Seovil and  
Robert F. Martin.

