

## Call for Papers:

### Special Edition on “Heavy rainfall and snowfall, and moisture transport” in *Journal of the Meteorological Society of Japan (JMSJ)*

To improve the disaster-causing precipitation forecasts, accurate observation as well as high-resolution numerical models are needed. Since heavy precipitation requires enhanced moisture supply, understanding moisture transport would clarify the physical linkage across multi-scales, ranging from large-scale dynamics to local heavy rainfall or snowfall. This would further contribute to improve the forecasts of disaster-causing meteorological events.

Recent satellite products, high-resolution reanalyses, and the use of water isotopes enabled us to diagnose moisture source, moisture transport and its budget more precisely. Various modeling approaches and dynamical/thermo-dynamical analyses are useful to clarify the linkages. Also, sharing state-of-the-art knowledge of observational methods and datasets on precipitation and water vapor would be a basis of such studies.

In this special edition, we welcome studies on heavy precipitation and moisture transport from all aspects, without limiting regions, periods, or time scales. Our scope includes all precipitation related phenomena, including, but not limited to, mesoscale convective systems, various cyclones including tropical cyclones and polar-lows, Asian monsoons. Studies on and across various processes -- large-scale moisture transport, rapid evaporation from the warm sea surface, and orographic enhancement (for example, that occurs with typhoons, Himalayan precipitation, and Japanese winter precipitation) – are solicited. As for methodology, case studies, statistical analyses, numerical modeling, theoretical studies, observational methods, and developments of datasets are all welcome. We also welcome review papers.

#### About submission

Please read carefully Instructions for the authors shown at

<http://jmsj.metsoc.jp/instructions.html>

and submit the manuscripts on the online submission system:

<https://mc.manuscriptcentral.com/jmsj>

Choose ‘Heavy Rainfall and Snowfall, and Moisture Transport’ (RainSnow&Moist) during the submission process. Please also mention that your submission is for “Heavy Rainfall and Snowfall, and Moisture Transport” in the cover letter.

The submitted manuscripts follow ordinary review procedures. Those papers that are not in time for submission or publication in the special edition may be considered for publication in ordinary issues.

## **Important dates**

Submission open: May 2023

Deadline of submission (Articles and Review Articles\*): 30 November 2024

Deadline of submission (Notes and Correspondence): 31 December 2023\*\*

Publication: In regular issues of 2023-2025 (special collection on the web)

\* Based JMSJ's regulation, submitting a review article requires the acceptance of a proposal in advance. Please contact us if you are interested.

\*\*The present categories of original research papers of JMSJ are "Notes" and "Article" (full paper). However, new submission for "Notes" will be closed on 31 December 2023.

## **Editorial Board for the Special Edition**

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## **Article Processing Charge (APC)**

The APC to this edition is the same with that of regular issue, which is described at Guide for Authors (<http://jmsj.metsoc.jp/instructions.html>).