

「気象集誌」の最近の取り組みと今後

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日本気象学会2022 年度秋季大会

: 2022 年10 月25 日（火）

北海道大学 学術交流会館 C会場

気象集誌

Journal of the Meteorological Society of Japan(JMSJ)

現状の取り組みと今後

- Brief introduction & current status of JMSJ
 - J-STAGE Data for archiving supporting data
 - Jxiv preprint server
 - Highlights, JMSJ Award
 - Future of JMSJ
-
- JMSJの紹介と現状
 - サポートデータアーカイブサイト J-STAGE Data
 - プレプリントサーバー(Jxiv)の利用について
 - ハイライト、JMSJ論文賞
 - 今後の取り組み

JMSJの現状

JMSJ編集委員会、新体制：堀之内編集委員長 2022.5より
執行部：堀之内武、稲津將、増永浩彦、川瀬宏明、佐藤正樹
運営委員：+竹見哲也、加藤輝之、山中大学; 編集委員 45人

- 2022年出版論文数 52編
- 2021 Impact Factor: 3.356; 5-Year Impact Factor: 3.607

<https://jmsj.metsoc.jp/editors/index.html>

- 刊行開始 1882: Ser. I: 1882-1922, Ser. II: 1923-2022, Vol. 100 in 2022
- 通常号年 6 号、特集号/特別号
- 全編英文
- J-STAGE にて全文公開
 - ✓ XML対応(PDF版、HTML版)
 - ✓ Open Access (CC-BY; DOAJ登録誌)
- スコープ
 - ✓ 気象学に関する広範なテーマを対象とする。
 - ✓ 科学的新規性、気象および関連分野の科学的理解の促進に寄与する技術的開発
- 投稿者
 - ✓ 気象学会会員・非会員を問わない
 - ✓ 研究を主務としない研究者や発展途上国からの投稿料免除

- Publication since 1882: Ser. I: 1882-1922, Ser. II: 1923-2022, Vol. 100 in 2022
- 6 regular issues per year, special issues/special issues
- Full text in English
- Full text available on J-STAGE
 - ✓ XML support (PDF and HTML versions)
 - ✓ Open Access (CC-BY; DOAJ registered journal)
- Scope
 - ✓ The Journal covers a wide range of topics related to meteorology.
 - ✓ Scientific novelty, technological developments that contribute to the scientific understanding of weather and related fields.
- Contributors
 - ✓ Both members and non-members of the Meteorological Society of Japan
 - ✓ Contribution fees are waived for authors in allied non-research specific fields and from developing countries

JMSJの10の特徴

1. 広範な気象学の研究分野がスコープ

2. 多様なタイプの論文

科学的新規性・技術開発、Article, Notes and Correspondence (速報、質疑応答)、招待レビュー論文、データ付き論文(電子補助ファイルの利用)

3. オープンアクセス、全論文がフリーでダウンロード可能

4. 比較的安価な掲載料(APC)

カラー図版、ページ数に関わらず固定価格

5. 比較的迅速な査読プロセス

レビューは一か月以内、Notes and Correspondenceは4か月以内に査読終了

6. 早期公開

受理後直ちにDOIを発行、電子版を直ちに公開

7. 特別号・特集号。招待レビュー論文

8. 気象集誌論文賞

若手研究者の投稿について教育的配慮

9. 1882年以來の長い歴史

10. WEB広報、SNS等による論文のプロモーション

Ten great features of the Journal of the Meteorological Society of Japan (JMSJ)

Latest Journal Impact Factor: 5.023 (©Clarivate Analytics)

- Broad scope in meteorology.** JMSJ publishes papers on meteorological observations, modeling, data assimilation, analyses, global and regional climate research, satellite remote sensing, chemistry and transport, and dynamic meteorology including geophysical fluid dynamics. Papers related to Asian monsoons, climate and mesoscale models, and numerical weather forecasts are particularly welcome.
- Varied article types.** JMSJ publishes Articles and Notes and Correspondence reporting novel scientific discoveries or technical developments that advance understanding in meteorology and related sciences. Notes and Correspondence consist of Express Notes and Comments and Replies. Authors are encouraged to include the underlying data with their papers (when less than 50MB). The data can be in the form of databases, simulations, movies, large figures or as appropriate.
- Freely accessible content.** JMSJ became fully Open Access in January 2018 and anyone can read your article at any time at the redeveloped J-STAGE [website](#).
- Affordable Article Processing Charge (APC).** The APC is a flat, fixed price, regardless of the number of pages and color figures. Society members receive an APC discount: Articles cost only 200,000 yen.
- Rapid peer review.** Peer reviews are returned within [one month](#) for most submissions, and we ask authors to submit revisions within three months. Notes and Correspondence have quicker peer review and a cheaper APC: final decisions are usually made within 4 months and the member APC is 150,000 yen.
- Advanced online publication.** Accepted articles are immediately assigned a DOI and published online as Advance Online Publications. Copyedited and typeset articles are posted soon after on the journal's page at the [J-STAGE platform](#).
- Special Issues/Editions and Invited Review Articles.** Selected articles in specific subject areas are published as [Special Issues and Editions](#) after deliberation by the Editorial Committee. Invited Review Articles are original comprehensive reviews of subjects deemed topical and important by the Chief Editor, who should be contacted if you have an idea for a review article. Invited Review Articles are free to [access](#) and to publish.
- JMSJ Awards.** We offer an annual award to [a number of articles](#) each year. We welcome and encourage submissions particularly from young researchers, although all articles are considered for the Awards. Editors mentor and assist our younger authors through the peer review process.
- Permanent journal archive.** All articles are permanently preserved with [Portico](#). Since 1882, JMSJ has published many influential papers – such as [Matsuno's seminal 1966](#) article on equatorial waves. [Kobayashi et al's 2015](#) JRA-55 article continues to attract wide interest.
- Active article promotion.** JMSJ increases the visibility, reach and downloads of your published articles by posting your Graphical Abstract to [Twitter](#) and [Facebook](#), attending conferences, and doing other promotional work. Altmetrics are available for all JMSJ articles at the J-STAGE platform.

Discover more about JMSJ today!

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



Journal of the Meteorological Society of Japan



arXiv

(American Geophysical Union)
アメリカ地球物理学連合

Prog. Earth Planetary Sciences (Japan Geoscience Union)
地球惑星科学連合

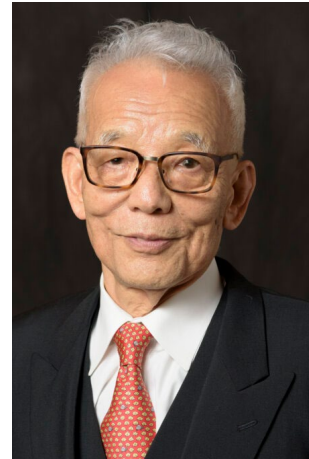
(American Meteorological Society)
アメリカ気象学会

Journal of the Meteorological Society of Japan
日本気象学会 気象集誌

Meteorology
気象学

Earth Sciences
地球科学

Physics
物理学



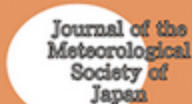
Syukuro Manabe
The Nobel Prize in Physics 2021
眞鍋淑郎
ノーベル物理学賞 (2021年)

Some earlier papers by Dr. Manabe were published by JMSJ.
眞鍋博士の初期論文の一部はJMSJより公開された

On the Development and the Energetics of the Westerly Waves*
(Model Research on the Tilt of Trough)

By S. Manabe

Geophysical Institute, Tokyo University
(Manuscript Received July 26, 1954)



Discover research from 気象集誌/Journal of the Meteorological Society of Japan



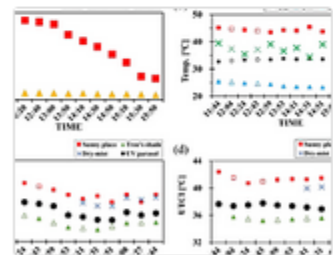
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ALL CATEGORIES SEARCH

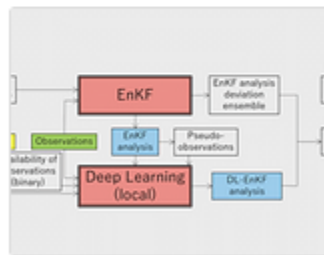
J-STAGE Data / 気象集誌/Journal of the Meteorological Society of Japan

sort by: Posted date



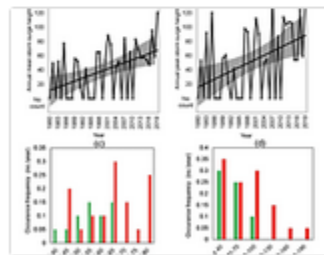
Meteorological observation data under UV parasol, ...

Dataset posted on 19.04.2022



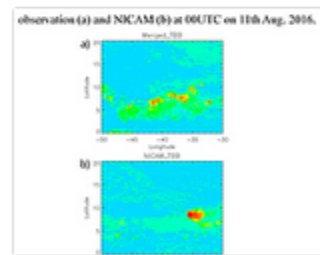
Python programs for the deep learning-ensemble Kalman ...

Software posted on 01.03.2022



Data for Tropical Cyclone Affecting Japan Central Coast

Dataset posted on 24.02.2022



Sample data for "Intercomparison of cloud properties in ...

Dataset posted on 17.02.2022

Introduction of J-STAGE Data to JMSJ

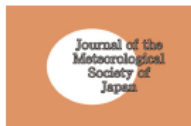
JMSJへのJ-STAGE Data導入

- Available from July 2020
- 18 data sets published
- Maximum size of data archive: ~100GB
- 2020年7月利用開始
- 現在まで18件のデータ公開
- 最大データの目安：100GB

<https://jstagedata.jst.go.jp/jmsj>

Open Data for Open Science

Introducing the JMSJ channel on J-STAGE Data



- **Enhancing data sharing and research reproducibility**
- **Making data more transparent, accessible and reusable**
- **Fostering stronger research collaboration**

The *Journal of the Meteorological Society of Japan* (JMSJ) has created a channel on J-STAGE Data to enable authors to deposit, share and link to the data within their articles.

JMSJ encourages authors to deposit the data underlying their JMSJ articles to the JMSJ channel on J-STAGE Data.

What is J-STAGE Data?

J-STAGE Data is a repository provided by JST, the Japan Science and Technology Agency.

J-STAGE Data is free to use, and user registration is not required to download data.

Each data item on J-STAGE Data and the corresponding article on J-STAGE are linked to each other.

Each dataset is assigned a DOI, allowing it to be integrated into the publishing ecosystem.

Why use J-STAGE Data?

Data sharing and availability underpin Open Science, allow for the innovative reuse of data, and enhance research collaboration.

Open Science drives progress in reproducibility, transparency and therefore science itself.

J-STAGE Data enables JMSJ authors to participate in the development of Open Science.

<https://jstagedata.jst.go.jp/jmsj>

JMSJ, Nov. 2020

How can authors deposit data?

Authors who plan to deposit their data to the JMSJ channel on J-STAGE Data should contact the JMSJ Editorial Office (jmsj@netsoc.jp) for instructions. After review by a JMSJ Editor, data is quickly released to J-STAGE Data.

What does each dataset include?

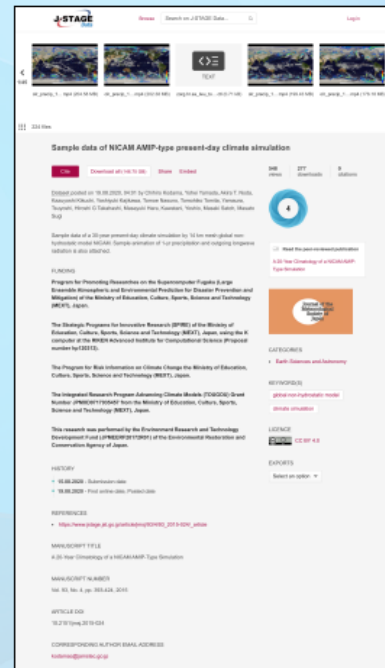
Each JMSJ dataset on J-STAGE Data has:

- a full description of the dataset and the associated JMSJ article
- links to view or download data files
- a link to the full article on J-STAGE
- an up-to-date count of the total views, downloads and citations
- an Altmetric score.

How can the data be shared and used?

Datasets are licensed under a Creative Commons Attribution (CC BY 4.0) license. Users are free to share the data in any medium and format, and can adapt, transform or build upon the data for any purpose.

Each dataset is assigned a DOI, which means it can be fully cited.



e.g. JMSJ dataset on J-STAGE Data: [Kodama et al. \(2020\)](#)

Find more information

Read JMSJ's full data policies in the journal's comprehensive [Guide to Authors](#).

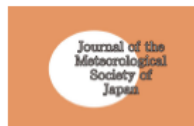
See the J-STAGE Data [Frequently Asked Questions](#).

Learn about J-STAGE Data [Site Navigation and Search](#).

Contact the JMSJ Editorial Office at jmsj@netsoc.jp.

<https://jstagedata.jst.go.jp/jmsj>

Introducing Jxiv to the JMSJ community



Jxiv
[ジェイカイク]

Jxiv is a new preprint server launched by the Japan Science and Technology Agency (JST) in March 2022

The *Journal of the Meteorological Society of Japan* (JMSJ) encourages JMSJ authors to deposit primary research manuscripts to Jxiv or other community-accepted preprint servers at the time of submission.

What are preprints?

Preprints are unpublished manuscripts that haven't yet been submitted to a journal or undergone peer review. Preprints are posted to preprint servers, which can help increase the speed and availability of research.

JMSJ initiatives

When authors submit their manuscript to JMSJ and deposit the preprint on Jxiv, the journal may:

- promote the preprint on its SNS/social media channels
- list the preprint on the JMSJ website.

JMSJ policy updates

Manuscripts submitted to Jxiv or other preprint servers will not be considered dual submissions.

Authors should retain copyright when posting manuscripts to Jxiv or other preprint servers.

JMSJ offers 'scooping' protection: assessment of a manuscript's novelty will not be affected by similar results published in other journals or posted to preprint servers within 3 months of submission to JMSJ.

Manuscripts altered in response to peer review should be linked to from the preprint server, not posted to it.

<https://jxiv.jst.go.jp/>

<https://jmsj.metsoc.jp/>

March 2022

Introduction to Jxiv at JMSJ JMSJ投稿論文の Jxiv preprint server 利用

The screenshot shows the JMSJ website interface. The header includes the JMSJ logo and the text "Journal of the Meteorological Society of Japan since 1882". The main content area is titled "Preprint" and contains the following text:

The preprint server at JST started in 24 March, 2022.

Preprint is a manuscript before or at the time of the submission to the journal, before the peer review process. The DOI is attached to the preprint. Once the manuscript is accepted, the link to the accepted manuscript is available in this page.

◆ Ishiyama, T., M. Satoh, Y. Yamada, 2022: The relative roles of the sea surface temperature over the Pacific Meridional Mode and Indian Ocean on tropical cyclone genesis over the North Pacific in super El Niño of 2015. *Jxiv*, <https://doi.org/10.51094/jxiv.71>
Status: a revised version of this preprint was accepted for JMSJ: <https://doi.org/10.2151/jmsj.2022-040>

◆ Nakano, M., Y.-W. Chen, and M. Satoh, 2022: Analysis of the factors that led to an uncertainty of track forecast of Typhoon Krosa (2019) by 101-member ensemble forecast experiments using NICAM. *Jxiv*, <https://doi.org/10.51094/jxiv.46>
Status: this preprint is currently under review for JMSJ.

◆ Kodama, S., Satoh, M., 2022: Statistical analysis of remote precipitation in Japan caused by typhoons in September. *Jxiv*, <https://doi.org/10.51094/jxiv.10>
Status: this preprint is currently under review for JMSJ.

The left sidebar contains a navigation menu with the following items: About JMSJ, Submission, Browse ▼, J-STAGE Data, JMSJ Preprint, Journal Statistics, Instructions for Authors, Open Access, Copyright and Permissions, Subscription, Announcement from Chief Editor, Editorial Committee, and Links.

JMSJ Guide for Authors 投稿規程

<https://jmsj.metsoc.jp/GuideforAuthors.pdf>

1.9 Preprints

To support the wide dissemination of research, the journal encourages authors to post their research manuscripts on Jxiv (<https://jxiv.jst.go.jp/>) or other community-recognized preprint server, either before or alongside submission to the journal. Manuscripts submitted to both the journal and Jxiv will be listed in a special section on the journal's website (<https://jmsj.metsoc.jp/preprint.html>) and may be promoted via the journal's SNS/social media channels.

This policy applies only to the original version of a manuscript that describes primary research. Any version of a manuscript that has been revised in response to reviewers' comments, accepted for publication, or published in the journal should not be posted on a preprint server. Instead, forward links to the published manuscript may be posted on the preprint server.

Authors should retain copyright in their work when posting to a preprint server.

研究を広く普及させるため、本誌では、著者が本誌への投稿前または投稿と同時に、Jxiv (<https://jxiv.jst.go.jp/>) やその他のコミュニティで認知されているプレプリントサーバに研究原稿を掲載することを推奨する。本誌とJxivの両方に投稿された原稿は、本誌ウェブサイト (<https://jmsj.metsoc.jp/preprint.html>) に掲載され、本誌のSNS/ソーシャルメディアチャンネルで宣伝されることがあります。

この方針は、一次研究を記述したオリジナル版の原稿にのみ適用されます。査読者のコメントを受けて修正され、出版が認められた原稿や、ジャーナルに掲載された原稿は、プレプリントサーバーに掲載してはならない。その代わりに、出版された原稿へのフォワードリンクをプレプリントサーバーに掲載することができる。

プレプリントサーバーに投稿する場合、著者は著作権を保持しなければならない。

[ホーム](#) / [地球科学・天文学](#)

プレプリント / バージョン1

Statistical Analysis of Remote Precipitation in Japan Caused by Typhoons in September

Kodama, Shinichi

Atmosphere and Ocean Research Institute, The University of Tokyo

 <https://orcid.org/0000-0002-9244-3372>

Masaki Satoh

Atmosphere and Ocean Research Institute, The University of Tokyo

 <https://orcid.org/0000-0003-3580-8897>

DOI: <https://doi.org/10.51094/jxiv.10>

キーワード: Typhoon、 Remote precipitation、 Water vapor flux、 Autumn rainy season

抄録

During the autumn rainy season, typhoons located far from Japan sometimes cause significant precipitation in Japan. In this study, we characterized remote precipitation events in September for 40 years from 1980 to 2019. We also analyzed cases in which remote precipitation did not occur despite approaching typhoons, as well as cases in which heavy precipitation was not affected by typhoons. We characterized the

 PDF (English)

公開済

投稿日時: 2022-03-24 02:22:55 U

公開日時: 2022-03-25 14:06:20 U

研究分野
地球科学・天文学

ライセンス

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Masaki Satoh



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- Jxiv Journal を問わない形式的な要件のみのチェック Journalに要求されていないセクションの追記が求められ、投稿原稿と異なる：
 - Declaration
 - Author contributions

Preprints to be submitted to any journal can be uploaded. Only formal requirements are checked for preprint. The sections are requested to be added, and differs from the submitted manuscript

ハイライト論文 JMSJ論文賞 (2022年9月改訂)

- 各号に1 - 2編のハイライト論文を選出することをめざす。
- 編集委員の推薦による。
- JMSJ論文賞：ハイライト論文の中から、年間に原則2編以下を選出する。Article, Notes, 特集号・特別号の掲載論文も対象になる。



- About JMSJ
- ALL Issues (J-stage Open Access)
- Submission (ScholarOne Manuscripts)
- Instructions for Authors
- Just Released
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- Special Issues and Editions **New**
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- JMSJ Preprint
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JMSJ Editor's Highlights

Each year, a range of material is derived from JMSJ's articles - from Editors' Highlights to press releases and more. We present them here.

[Press release and Author's Article Summary](#)

- ◆ 7 Mar. 2022: Ishioka et al., 2022
- ◆ 19 Jan. 2021: Chandra et al., 2021
- ◆ 12 Jan. 2021: Seto et al., 2021
- ◆ 13 Jul. 2020: Kawabata and Yamaguchi, 2020
- ◆ 5 Mar. 2020: Stevens et al., 2020
- ◆ 4 Jan. 2020: Takemura and Mukougawa, 2020
- ◆ 11 Dec. 2019: Tsuyuki, 2019
- ◆ 9 Aug. 2019: Yukimoto et al., 2019
- ◆ 10 Jun. 2019: Liu et al., 2019
- ◆ 1 Feb. 2019: Ose, T. 2019

JMSJ Editor's Highlight (7 Mar. 2022)

- ◆ Ishioka, K., N. Yamamoto, and M. Fujita, 2022: A formulation of a three-dimensional spectral model for the primitive equations. *J. Meteor. Soc. Japan*, **100**, <https://doi.org/10.2151/jmsj.2022-022>
[Early Online Release](#) [Graphical Abstract](#)

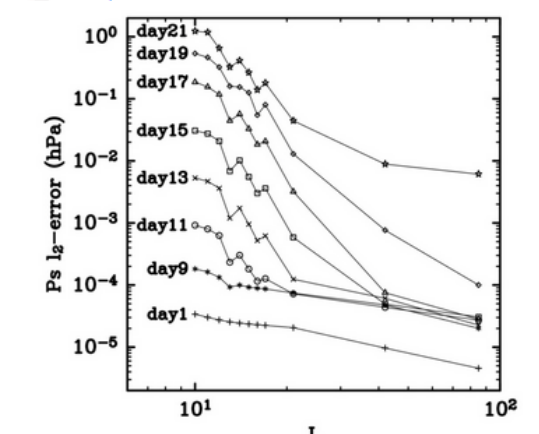


Figure 1. The dependence of l_2 error of the surface pressure field on the vertical truncation wavenumber L in the time-evolutions of baroclinic disturbances. The horizontal places of the markers indicate the values of the vertical truncation wavenumber L used in the time-integrations ($L = 10, 11, 12, 13, 14, 15, 16, 17, 21, 42, \text{ and } 85$). The corresponding number of the vertical axis, K , is $K = 16, 18, 20, 20, 22, 24, 26, 26, 32, 64, \text{ and } 128$, respectively. The

今後 1/2

日本気象学会は、従来から下記の8課題を達成目標に掲げ、オープンアクセス化、APC新設、データ付き論文投稿促進など主要な課題を実現した。

1. 従来、取り組んでいなかったJMSJ、SOLAの両誌の密接な連携を図る。→取り組み継続
2. CC-BY 4.0のもとでの完全Open Access化を実現。→2018年度実現
3. 独立採算化のためArticle Processing Charge(APC)を新設。→2018年度実現
4. 広報体制を拡充し、2誌の連携によりvisibilityの向上を図る。→取り組み継続
5. 査読、出版プロセスの迅速化。→効率化を一部実現
6. 招待論文、特集号・特別号、国際会議開催等の戦略的な推進。→2018-22年度で招待論文計9編、特集号・特別号計9巻(内4巻はSOLA/JMSJ合同特集号)を刊行。
7. データ付き論文、技術開発論文、速報ノート等、新しいタイプの論文の投稿の促進。→データ付き論文投稿の環境整備実現
8. 体制強化：JMSJ/SOLA合同運営委員会、編集委員会、編集スタッフ。規程の整備。→取り組み継続

2022年本学会秋季大会にて「日本気象学会における学術出版の未来」専門分科会を開催し、JMSJ・SOLAの5年間の活動を内外の専門家を交えて議論する。

今後 2/2

国際情報発信強化にむけた新たな挑戦として以下の課題に取り組む。

1. オープンサイエンスや研究インテグリティなど、学術論文誌に求められる国際水準に倫理的に優れたジャーナルとしての発展を目指す。
標準性を擁した編集方針の徹底ならびに編集委員の規範意識の向上に組織的に取り組み、倫理的に優れたジャーナルとしての発展を目指す。
2. 編集委員間の共通文化を形成することにより、編集委員の資質の向上を継続的に図る。
このため、両誌の合同編集委員会を定期的に開催し、また、質・経歴豊かな編集委員を新たに着任した編集委員を効率的に育成する制度を構築する。
3. 国際アドバイザリーボードの新設等により、特に国外からの投稿数の増加を促す活動を重点的に展開し、JMSJ・SOLAのさらなる国際化に取り組む。
4. 国際的な特集号の企画等により、国内外の質の高い論文の掲載数を増加する。安定的に論文の掲載数を向上することにより、ジャーナルの採算性をさらに改善する。
5. 編集委員会企画主催により、特定の研究トピックについて国際ワークショップや国際セッションを開催し、その成果を論文集として総括するJMSJ/SOLA特集号を発刊する。