

Call for Papers – Invitation to Authors



Special Collection: Advances in Materials Research

Guest Editors

- Dr. Ram Janay Choudhary, UGC-DAE CSR; Dr. Tapas Ganguli, RRCAT [pss (rrl)]
- Dr. Dileep Gupta, UGC-DAE CSR; Dr. Shaibal Mukherjee, IIT Indore [pss (a)]
- Dr. Rajeev Rawat, UGC-DAE CSR; Dr. Vasant G. Sathe, UGC-DAE CSR [pss (b)]
- Dr. Mukul Gupta, UGC-DAE CSR; Dr. Tarun Kumar Sharma, RRCAT (Adv. Mater. Technol.)

Manuscript submission due date **March 31, 2025** (Example, subject to change)

Dear colleague,

We want to capture the progress in materials science as presented at the International Union of Materials Research Societies – International Conference in Asia (IUMRS-ICA 2024) organized from December 3-6, 2024 by UGC-DAE Consortium for Scientific Research (UGC-DAE CSR), Indore in association with Devi Ahilya Vishwavidyalaya (DAVV), Indore. Raja Ramanna Centre for Advanced Technology (RRCAT), Indore and Indian Institute of Technology (IIT) Indore are partner institutes.

Therefore, the *physica status solidi* (pss) journals together with *Advanced Materials Technologies* (ADMT) are calling for a Special Collection of regular journal content (no conference proceedings!). In collaboration with the Guest Editors, we cordially invite the conference presenters to send their latest original research results as a **Research Article** to the journal of their choice. Please see below for further details. We hope to spark your interest and look forward to receiving your manuscript soon. If you have any further questions, please do not hesitate to contact us.

Best regards, on behalf of the Guest Editors
Sujeet Dutta, Marco Squillaci and Sabine Bahrs

| Editorial contact:

Sujeet Dutta | he/his/Dr

Marco Squillaci | he/his/Dr

Sabine Bahrs | she/her/Dr

| Journal home

[physica status solidi \(RRL\)](http://physica.status.solidi(RRL))

[physica status solidi \(a\)](http://physica.status.solidi(a))

[physica status solidi \(b\)](http://physica.status.solidi(b))

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| About the Journals

***physica status solidi* (pss)**, a group of Wiley physics journals, is dedicated to thorough peer review and rapid publication of new and important results in all fields of solid state and materials physics, from basic science to applications and devices. Established over 60 years ago as an international publication, the *pss* journals publish reviews and original articles, as regular content as well as in special issues.

[physica status solidi \(b\) – basic solid state physics](#) (pss b) is a forum for quality research on solid state and condensed matter physics. Our focus is on experiments, theory and computations that advance our fundamental understanding of the quantum physics of solid materials.

[physica status solidi \(a\) – applications and materials science](#) (pss a) publishes new and important research results and review articles on current topics in solid state physics and physical materials science with an emphasis on device applications. Our content includes research on semiconductor electronics and optoelectronics, photovoltaics, non-volatile memory, sensors, and more

[physica status solidi \(RRL\) – Rapid Research Letters](#) (pss RRL) is among the fastest peer-reviewed journals in solid state, condensed matter and materials physics. Without compromising quality, new articles on findings of high relevance appear online almost every day. Our scope includes electronic, magnetic, optical, thermal, and structural properties of solids, nanostructures, and low-dimensional systems as well as device applications. We particularly welcome papers from interdisciplinary and emerging new areas of research.

[Advanced Materials Technologies](#), of the [Advanced Materials](#) journal portfolio, is the new home for all technology-related materials applications research, with particular focus on advanced device design, fabrication and integration, as well as new technologies based on novel materials. It bridges the gap between fundamental laboratory research and industry. Topics covered include energy, healthcare, electronics, optics, microfluidics, sensors, food safety, and environmental technologies.

| Research Articles

Research Articles are peer-reviewed reports of original research results. The essential findings presented in a Research Article should be novel and should not have been published previously. The conclusions must be clearly supported by the data. Whilst a typical Research Article is around 3000–8000 words (in its entirety) including 3–8 display items (figures, schemes, or tables), submitted manuscripts can be any length. However, the scientific contents should justify the length, and *pss RRL*, as a letter-journal, requires concise presentation. Manuscripts should include 1) an introduction, summarizing the objectives and main conclusions of the work, 2) the main text of the article, 3) a conclusion, summarizing the conclusions that can be drawn, and optionally 4) an experimental or methods section.

In addition, a short abstract (200 words maximum) should be included along with 3–7 keywords. Supporting Information in the form of additional experimental details, display items, movies, etc. may accompany the main article. The main article must stand on its own in the absence of the Supporting Information.

| Further information for authors

- Please choose the journal that is the best match for your article in terms of scope. In the course of the evaluation we may offer a transfer to another journal if it turns out the more appropriate destination for the work.
- Please mention the Special Collection in the cover letter and choose the section/category “**By invitation only: Special Collection Advances in Materials Research**”.
- Manuscript submissions will be handled immediately with priority by experienced journal Editors, in collaboration with the Guest Editors, and undergo double peer-review according to regular journal standards. Participation in the conference does not guarantee acceptance of the article. Each accepted article will be published online immediately in Early-View ahead of the complete project.
- Templates are optional. Please refer to the [pss RRL Author Guidelines](#) or the [ADMT Author Guidelines](#).
- Editorial handling includes Editorial Office and typesetting service, listing in major citation databases (Web of Science, SCOPUS etc.), content promotion (graphical table of contents, cover pictures, newsletters, news items on Advanced Science News, <http://www.advancedsciencenews.com> etc.)
- There are no submission fees or page charges.
- The hybrid journal [Open Access](#) option is compliant with national or funder mandates, supported by an increasing number of transformational agreements.