



**NATURAL
SCIENCE
REVIEW** by scientists
for scientists

On behalf of the Editorial Board

60th meeting of the PAC for Nuclear Physics, 23 Jan 2025

Motivation

- ✓ Approximately 4,000,000 articles in 40,000+ scientific journals worldwide per year
- ✓ Scientific journals are a profitable business: journal prices increase many times faster than inflation (615% / 70% over 17 years in the US)

Open Access:

- A global trend towards open access to scientific articles instead of traditional subscription access
- In keeping with the spirit of science, all the scientific achievements should be publicly available without commercial or military restrictions
- Open access increases the visibility and impact of scientific papers, leading to faster knowledge transfer and accelerating scientific and technological progress

Hybrid Open Access:

- Many libraries and academic organizations cannot afford to pay for journal subscriptions, exacerbating global inequalities between developed and developing countries
- Hybrid models shift publication costs to authors, creating a financial barrier for researchers
- The trend towards lower quality of Open Access publications due to publishers' interest in more publications

A new Diamond Open Access journal is a solution!

New journal for JINR Member States

Establishment Prerequisites:

- Wide discussion of the problem (G20-CSAR, EU Council, UNESCO)
- JINR Member States have only a few national journals from Q3-Q4 in high-energy and nuclear physics (Russia, Kazakhstan)
- Most of the English-language versions of highly rated journals belong to Pleiades Publishing (USA) and Turpion Ltd (UK)
- Geopolitical risks may affect the publication activity of researchers from these countries

Gold OA publications in the JINR Member States*:

Russia	40,749	Uzbekistan	1,066
Egypt	19,519	Azerbaijan	712
Romania	9,067	Cuba	658
Vietnam	4,719	Georgia	530
Slovakia	3,184	Armenia	463
Kazakhstan	2,551	Mongolia	442
Bulgaria	2,261	North Korea	110
Belarus	1,587		

JINR Associate Members*:

Germany	55,329	Hungary	5,723
Italy	49,913	Serbia	4,461
South Africa	12,239		

*Plan S. [Developing a globally fair pricing model for academic publishing](#). 2023.

New journal

JINR scientific journals:

- *PEPAN* (since 1970)
 - *PEPAN Letters* (since 1984)
 - *Natural Science Review*
- } English versions belong to *Pleiades Publishing*
All reforms are nearly impossible due to existing contract

Concept proposal:

- Analytical work and proposal preparations during 2023
- JINR Science and Technology Council (Dec 2023) - approved
- JINR Committee of Plenipotentiaries (Mar 2024) - approved

New journal

Decree no. 559 (11.07.2024) initiated the creation of the journal

- These days, the *Natural Science Review* is accepting papers
- The first issue closed with 7 articles in December 2024
- The second issue is open until the end of March 2025

Decree no. 1024 (10.12.2024) - Journal Regulations

Decree no. 1044 (16.12.2024) - Editorial Board

ОБЪЕДИНЕННЫЙ ИНСТИТУТ ЯДЕРНЫХ ИССЛЕДОВАНИЙ

П Р И К А З

11.07.2024

№ 559

г. Дубна

Об учреждении нового научного
журнала ОИЯИ

В соответствии с рекомендацией Комитета Полномочных Представителей правительств государств-членов ОИЯИ (Протокол сессии КПП от 24.03.2024) о поддержке создания в ОИЯИ нового электронного междисциплинарного научного журнала с открытым доступом, в дополнение к действующим журналам ЭЧАЯ и Письма ЭЧАЯ, издаваемым в печатном виде на русском языке — в Издательском отделе ОИЯИ, на английском языке — по договорам с издательством

ПРИКАЗЫВАЮ:

1. Учредить в ОИЯИ новый электронный периодически издаваемый научный журнал с открытым доступом с рекомендуемым названием «Успехи естественных наук» («Natural Science Review»).

2. Назначить главным редактором журнала научного руководителя Института Матвеева В. А.

3. Главному редактору совместно с ДНОД и ЛИТ до 15.07.2024 разработать Положение о журнале, подготовить предложения о составе редакционной коллегии и технической редакции журнала, техническое задание на сайт журнала и подготовить проект сметы расходов на 2024 год.

4. Главному редактору до 30.09.2024 подготовить предложения по созданию при дирекции ОИЯИ Международного научного редакционного совета журнала (Advisory Board) и его составу.

5. ЛИТ до 01.11.2024 создать сайт журнала в соответствии с разработанным техническим заданием и обеспечить совместно со СГУС его дальнейшую техническую поддержку.

6. ДНОД зарегистрировать журнал, издать первый выпуск журнала и получить номер ISSN до 01.11.2024.

7. Юридическому отделу обеспечить правовое сопровождение регистрации нового журнала в Роскомнадзоре.

8. Издательскому отделу обеспечить организационно-техническое сопровождение подготовки поступающих статей к публикации.

9. Контроль за исполнением приказа возложить на главного ученого секретаря Института.

Директор



Г. В. Труби́ков

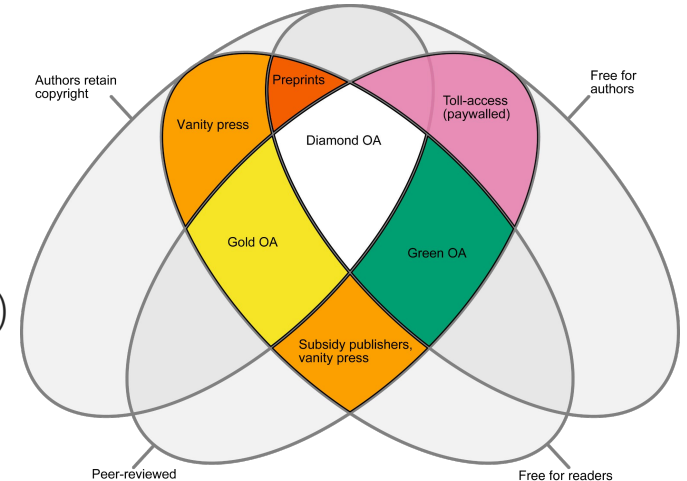
Workflow

Key concepts:

- online journal, no hard copy
- scientific articles, reviews, intellectual products, TDR/CDR's are accepted for publication
- 4 issues per year, English language
- accepting only top quality articles (no matter how many)
- free for readers and authors (Diamond Open Access)
- easy to adapt to modern trends as JINR is a publisher
- various sections: historical and jubilee reviews, etc.

Prompt publication process:

- 2 weeks for one round of review (but good quality of reviewing is a priority)
- 1 week for editing after being accepted
- putting on the website in the current open issue = publishing



Journal Topics

Physics: High Energy Physics (Theory and Experiment), Condensed Matter Physics (Theory and Experiment), Nuclear Physics (Theory and Experiment), Low Temperature Physics, Astronomy and Astrophysics, Accelerator Physics, Instruments and Methods, etc.

Mathematical and Computer Sciences: Statistical Methods, Mathematical Modelling, Numerical Methods, Information Technology and Software, etc.

Chemistry: Radiochemistry, etc.

Life Sciences: Biology, Nuclear Medicine, Ecology and Radiobiology, etc.

Earth and Environmental Sciences

Interdisciplinary Research

The list of possible topics is not full

Structure

Editor-In-Chief is V. A. Matveev

Deputy Editor-In-Chief is E. A. Kolganova

International Scientific Advisory Board

G. V. Trubnikov (co-chair), Yu. T. Oganessian (co-chair), V. A. Matveev, D. I. Kazakov, V. D. Kekelidze, I. N. Meshkov, V. G. Riabov (PNPI), S. V. Troitsky (INR)

Editorial Board

I. Ya. Aref'eva (MI), A. V. Boreyko, V. V. Braguta, D. S. Gorbunov (INR), R. V. Jolos, A. V. Karpov, V. T. Kim (PNPI), E. E. Kolomeitsev, Yu. N. Kopatch, V. V. Korenkov, N. Kučerka, V. A. Lebedev, R. Lednický, A. G. Olshevsky, V. N. Shvetsov, A. S. Zhemchugov

Technical editors

JINR Publishing Department staff, PEPAN Editorial Office

This list is being updated

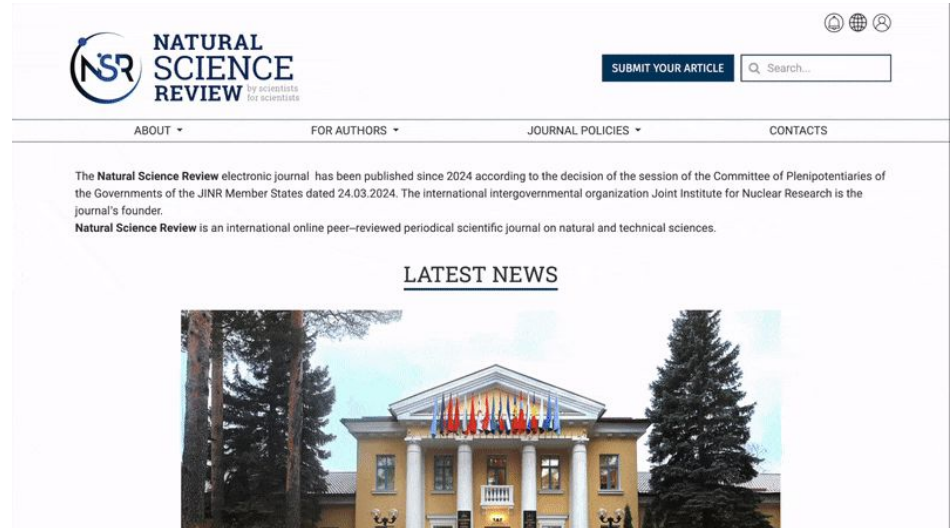
Current progress

Journal is ready to accept papers:

- website: nsr-jinr.ru or nsr.jinr.int (alias)
- all policies and workflow are settled
- technical side is ready

Several articles were already reviewed and accepted for publication. Several more are still reviewing

So far, 1 issue with 7 articles is on the website



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Any feedback on workflow is very appreciated

- e-mail: NSR@jinr.int

Goals for current work period:

- continue the regular work with a second and further issues, fine-tune the publishing process
- finalise the registration of the ISSN and DOI tag
- introduce the journal to the world
- settle down all workflow of editors and technical editors with processing the articles



Further plans

There are more registrations to complete: trademark, etc.

Indexing in:

- Web of Science: can apply in two years of work
- Scopus: can apply from the beginning, but it's better to fulfil the requirements first
- Higher Attestation Commission (BAK): can apply in two years of work
- Russian Science Citation Index: can apply after 50 articles published

After that, we will work on entering in Higher Attestation Commission (BAK) analogues in Member States and other databases

- There is a plan to obtain equal legal status in all Member States

Takeaways

Natural Science Review is a new scientific journal of JINR

It is ready to accept and process papers

- Please consider this journal for your next publication
- Any feedback on workflow or ideas are very appreciated

There is a good chance that in several years it will be a decent journal that all JINR will be proud of



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Credits to Working Group

Acknowledgements

- JINR Directorate for scientific and methodological guidance
- All JINR laboratories' directorates for caring involvement

V. A. Matveev (Editor-In-Chief, Directorate)

E. A. Kolganova (deputy Editor-In-Chief, BLTP)

S. N. Nedelko (Directorate)

A. S. Zhemchugov (DLNP, DSOA)

O. Culicov (ICD)

Legal Department

Publishing Department

Innovation and intellectual property Department

L. D. Kolupaeva (DLNP)

A. Yu. Nezvanov (FLNP)

D. R. Badreeva (MLIT)

D. R. Bulatova (Press Office)

V. V. Bytev (BLTP)

N. A. Davydova (MLIT)

R. M. Iakhibbaev (BLTP)

O. V. Krupa (DSOA)

D. K. Pugachev (FLNR)

M. M. Shandov (VBLHEP)

Yu. O. Solovyova (Editorial Office)

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