



**NATURAL
SCIENCE
REVIEW** by scientists
for scientists

Dr Alexander NEZVANOV

Executive Secretary of *Natural Science Review*
on behalf of the Editorial Board

31th International Seminar on Interaction of Neutrons with Nuclei (ISINN-31)
26 May 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

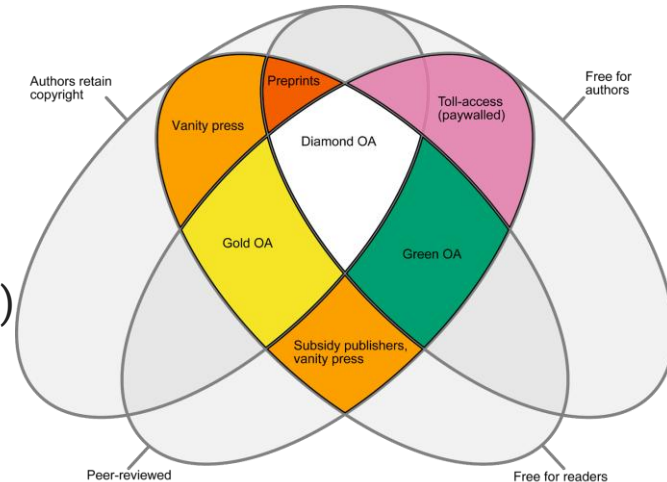
Concept proposal:

- Analytical work and proposal preparations during 2023
 - JINR Science and Technology Council (Dec 2023) – approved
 - JINR Committee of Plenipotentiaries (Mar 2024) – approved
-
- These days, the *Natural Science Review* is accepting papers
 - The first issue closed with 7 articles in December 2024
 - The third issue is open until the end of June 2025

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 an Academician of the Russian Academy of Sciences, V. A. Matveev

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

International Scientific Advisory Board



G. V. Trubnikov (co-chair), Yu. T. Oganessian (co-chair), V. A. Matveev, O. Chuluunbaatar (Mongolia), J. A. Fedotova (Belarus), Michal Hnatič (Slovakia), D. I. Kazakov (JINR), V. D. Kekelidze (JINR), A. G. Kostianoy (Russia), I. N. Meshkov (JINR), A. Nersessian (Armenia), V. V. Nesvizhevsky (France), R. Rashkov (Bulgaria), V. G. Riabov (Russia), S. V. Troitsky (Russia), N. A. Vinokurov (Russia), M. I. Vysotskiy (Russia)

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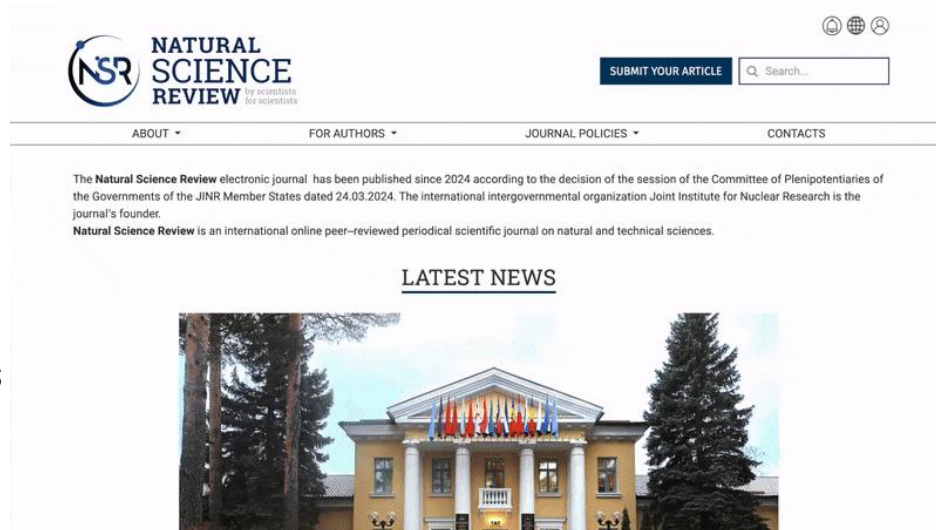
JINR Publishing Department staff, PEPAN Editorial Office

This list is being updated

Current progress

Journal is ready to accept papers:

- nsr.jinr.int (alias) or nsr-jinr.ru
- All policies and workflow are settled
- Technical side is ready
- DOI tags are ready
- Google Scholar and INSPIRE
- International ISSN due to the JINR status



So far, 2 issues with 11 articles is on the website

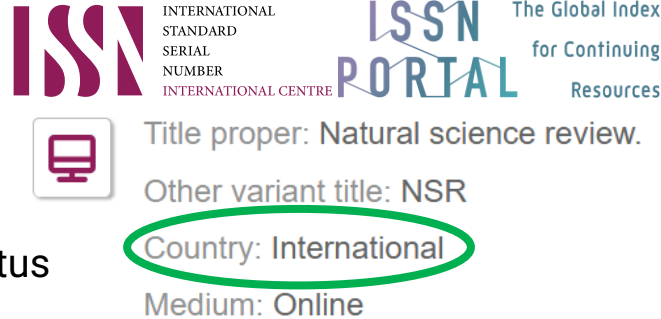
Several articles were already reviewed and accepted for publication in the third issue

Several more are still reviewing

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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
- Settle down all workflow of editors and technical editors with processing the articles
- Introduce the journal to the world

Further plans

There are some other 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
- Russian Higher Attestation Commission: can apply in two years of work
- Russian Science Citation Index: can apply after 50 articles published
- Chinese Science Citation Database?

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

- The goal is 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



nsr-jinr.ru or
nsr.jinr.int (alias)

*“... that **talented people with daring ideas and insatiable passion for science are JINR major asset** and that modern science calls for coordination of research activities carried out by scientific teams and for special attention from Governments and international organizations towards **creation of favourable conditions supporting international cooperation in research**”*

Sofia Declaration On the value of international integration in science and technology,
24th November 2021, Sofia, Bulgaria

Credits to Working Group

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JINR Publishing Department

JINR Innovation and intellectual property Department

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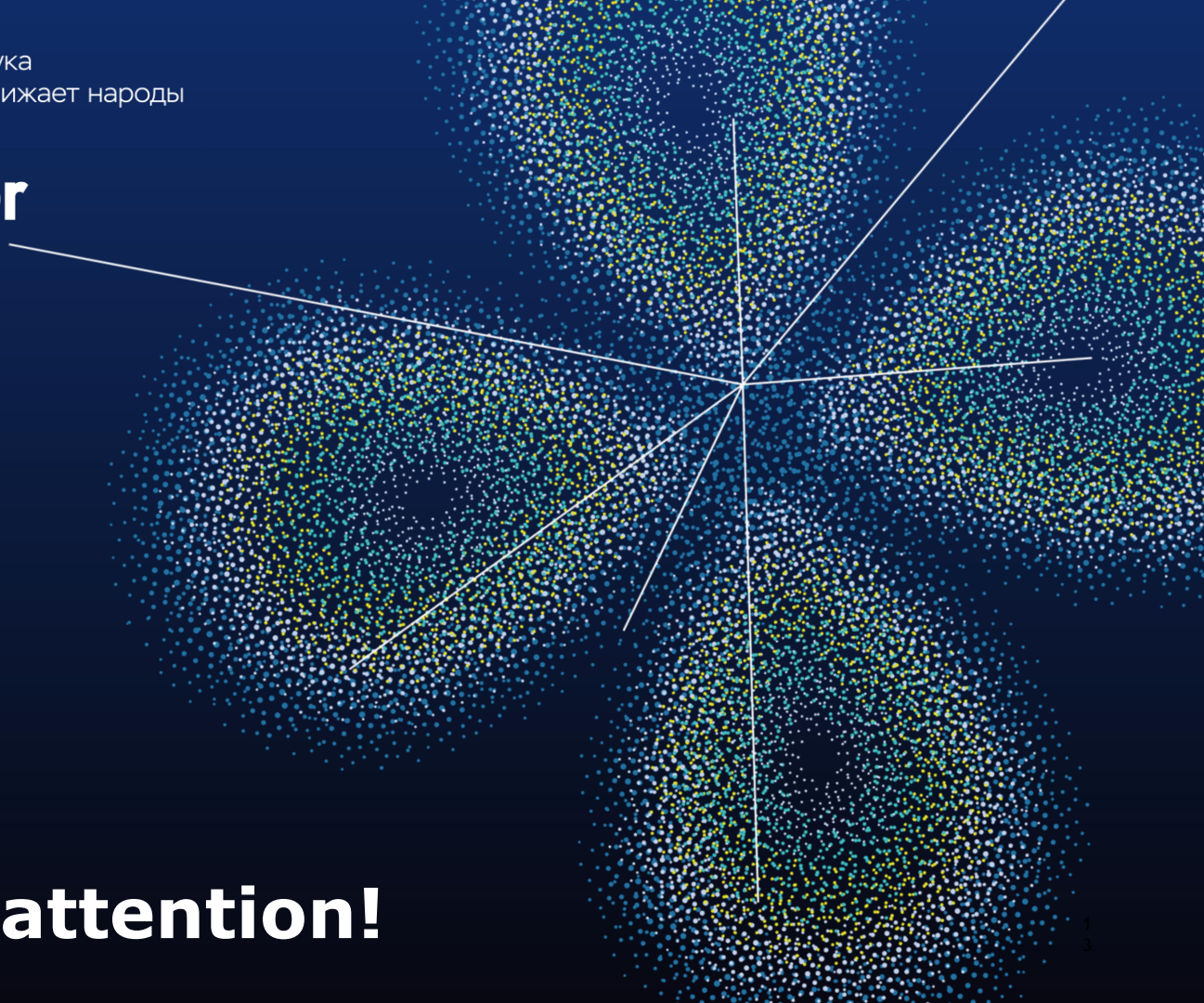
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Наука
сближает народы

**Science brings
nations together**

**Thank you all
for your kind attention!**





NATURAL SCIENCE REVIEW

by scientists
for scientists

Academician of the Russian Academy of Sciences
Victor MATVEEV

Editor-in-chief



nsr-jinr.int

International scientific
peer-reviewed online journal
issued by JINR



Diamond
open access



Prompt
publication
process



Four issues
per year



Articles, reviews,
TDR/CDR,
and other papers
are accepted



International
Scientific
Advisory Board



The working
language
is English

Any feedback on workflow is very appreciated at nsr@jinr.int

Physics

Fundamental & Applied Research

Mathematical and Computer Sciences

Chemistry

Life Sciences

Earth and Environmental Science

Interdisciplinary Research

Historical & Anniversary Reviews

Special issue of the journal
to mark **JINR's 70th anniversary**
will be published **in 2026**

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