
PUBLISHING DEPARTMENT

In 2012, the Publishing Department issued 147 titles of publications, and 45 titles of official documents.

A total of 38 collections of report theses, proceedings of various conferences, schools and workshops organized by JINR, monographs, booklets and other editions were published. Among them were: the Proceedings of XIX International Seminar on Interaction of Neutrons with Nuclei (ISINN-19) (Dubna, 25–28 May 2011), the Proceedings of XIV Workshop on Spin Physics at High Energies (DSPIN-11) (Dubna, 20–24 September 2011), the Proceedings of XX international Baldin seminar on high energy physics problems «Relativistic Nuclear Physics and Quantum Chromodynamics» (Dubna, 4–9 October 2011), the Proceedings of the international conference «Isomers in Nuclear and Interdisciplinary Research» (Peterhof, Russia, 4–10 July 2011), etc.

The JINR Annual Report for the year 2011 (Russian and English versions) and the Scientific Report of LIT JINR (2010–2011) were published.

A second edition of the photo album «Scientific Dubna Seen by Yuri Tumanov» was issued. It includes portraits of famous scientists and specialists who worked at JINR, authors of discoveries, laureates of various prizes, photographs of participants of international cooperation and members of JINR governing structures.

«A Book about Us» by V. Karnaukhov was published for a second time.

The book «Nuclear Physics Research with Heavy Ions» by V. Volkov discusses nuclear processes in collisions of atomic nuclei at low energies: deep-inelastic transition reactions and full fusion reactions to produce compound nuclei, as well as production of nuclei far from the stability region in reactions with heavy ions at low, relativistic and intermediate energies.

The book «Itkis Mikhail Grigorievich» was issued to mark the 70th anniversary of JINR Vice-Director M. Itkis. In brief, it reports on his scientific and organizational activities.

In 2012, six issues of the journal «Physics of Elementary Particles and Atomic Nuclei» («Particles and Nuclei» for short), which included 30 review articles, were published. Issue 5 includes 40 reports presented at the international conference «Supersymmetries and Quantum Symmetries» (Dubna, 18–23 July 2011).

Seven issues of the journal «Particles and Nuclei, Letters» were published. They included 87 papers.

Issue 4–5 contains the Proceedings of IX international scientific seminar in memory of V. Sarantsev «Problems of Charged Particle Accelerators: Electron–Positron Colliders» (Alushta, the Crimea, Ukraine, 17–21 September 2011). The cycle «Heavy Ions» has been started in the journal «Particles and Nuclei, Letters».

The bulletin «JINR News» was issued in Russian and English. In 2012, 50 issues of the JINR weekly newspaper «Dubna: Science, Cooperation, Progress» were published.

Four editions in the series of the JINR UC study guides were issued. These are manuals by V. Kallinnikov «Circuit Technique Basics for Computers», G. Efimov «Quantum Mechanics (Selected Chapters)», V. Gorokhov «Philosophy and History of Science», and I. Issinsky «Introduction to the Physics of Charged Particle Accelerators».

In the framework of scientific publications exchange, JINR publications, including JINR preprints and communications, the information bulletin «JINR News», JINR Annual Reports, and the journals «Particles and Nuclei» and «Particles and Nuclei, Letters», were forwarded to organizations that cooperate with JINR (from above 40 countries of the world).

The Publishing Department forwarded above 200 papers and reports on the results of research conducted by JINR scientists to editorial boards of journals, to various conferences, symposia, meetings, and schools held both in JINR Member States and in other countries. Papers by JINR staff members were published in the journals «Nuclear Physics», «Solid Matter Physics», «Crystallography», «Applied Physics», «Poverkhnost'. Rentgenovskie, Sinkhrotronnye i Neitronnye Issledovaniya», «Journal of Physics», «Nuclear Instruments and Methods», «Journal of Modern Physics», and other periodicals.

To keep readers of the Science and Technology Library timely informed about new publications received, express bulletins of STL and the Licensing and Intellectual Property Department are issued by the Publishing Department. «The Bibliographic Index of Papers Published by JINR Staff Members in 2011» was issued.

The Publishing Department fulfilled numerous orders of the laboratories to produce posters, Xerox copies, and book binding. Over 112 thousand various forms were printed for experimental information processing and other purposes.