

NANOTECHNOLOGIES IN CONSTRUCTION

ISSN 2075-8545 (online)

NANOTEKHNOLOGII V STROITEL'STVE

НАНОТЕХНОЛОГИИ В СТРОИТЕЛЬСТВЕ: НАУЧНЫЙ ИНТЕРНЕТ-ЖУРНАЛ

«Nanotechnologies in Construction» is a peer-reviewed journal.

The main aim of the Journal is to provide information support for the process of invention and practical application of science intensive technologies (mostly nanotechnological products) in construction, communal and housing services, joint areas (industry, power et al.).

The main tasks:

- Providing scientists and specialists from different countries with the opportunity to publish the results of their research and receive information about modern technologies and materials, high-performance equipment in construction, communal and housing services, joint areas (industry, power et al.).
- To provide information support and participate in the events (forums, conferences, symposia, workshops, exhibitions, round tables etc) devoted to nanoindustry and problems of application of nanoindustry in construction and housing and communal services, which are perspective and of great importance.

The Journal has been published since 2009. Frequency: bimonthly.

These are the topics of the papers published in the journal: creation of new functional materials; nanostructured systems strength and penetrability formation theory development; the problems of nanomaterials and nanotechnologies implementation in construction and building materials; diagnostics of building systems nanostructures and nanomaterials; technologies aimed at studying nanomaterial properties; technological principles of nanostructures creation (liquid melts, sol and gel synthesis). The topics may be different, directly or indirectly related to the areas mentioned above.

The journal can also publish: original papers; reviews; discussing materials, comments, other information materials.

The language of publication: English; Russian.

The edition's readers and authors are:

- students, lecturers, post-graduates and people working for doctor's degree;
- scientists and specialists of research institutes and nanotechnological centers;
- heads and specialists of the institutions, organizations and factories from the sphere of construction and housing and communal services;
- scientists and specialists of the industries which are adjacent to construction;
- experts of the enterprise-producers manufacturing nanoindustrial output.

EDITORS

CHIEF EDITOR – Boris V. GUSEV, Dr. Sci. (Eng.), Prof., Head of Department «Construction Materials and Technologies» Russian University of transport, President of the Russian Academy of Engineering and the International Academy of Engineering, Corresponding Member of the Russian Academy of Sciences, Laureate of the USSR and the Russian Federation State Prizes, Laureate of 5 Governmental Prizes of the Russian Federation in the field of science and education, Honored Scientist of Russian Federation, Moscow, Russian Federation

Contacts: e-mail: info@nanobuild.ru, info-rae@mail.ru

DEPUTY CHIEF EDITOR – Leonid A. IVANOV, Cand. Sci. (Eng.), Russian Academy of Engineering, International Academy of Engineering, Center for New Technologies «NanoStroitelstvo», Moscow, Russian Federation

Contacts: e-mail: info@nanobuild.ru, l.a.ivanov@mail.ru

EXECUTIVE EDITOR – Yulia A. EVSTIGNEEVA, Member of Russian Association of Journalists, Moscow, Russian Federation

Contacts: e-mail: info@nanobuild.ru, evstigneeva.ju@yandex.ru

HEAD OF DESIGN DEPARTMENT – Andrey S. REZNICHENKO, Businessman, Moscow, Russian Federation

Contacts: e-mail: info@nanobuild.ru, ras77222@yandex.ru

CHIEF FOR FOREIGN RELATIONS – Svetlana R. MUMINOVA, Cand. Sci. (Eng.), Assistant Professor, Russian State University of Tourism and Service, Cherkizovo, Moscow region, Russian Federation

Contacts: e-mail: info@nanobuild.ru, muminova@list.ru

EDITORIAL BOARD

Peter J.M. BARTOS, Prof., Queen's University of Belfast, RILEM Technical Committee TC 197-NCM on Nanotechnology in Construction Materials (2002–2009), Scottish Centre for Nanotechnology in Construction Materials (University of West Scotland), Belfast, UK

Evgeny M. CHERNYSHOV, Dr. Sci. (Eng.), Prof., Voronezh State Technical University, Voronezh, Russian Federation

Vyacheslav R. FALIKMAN, Dr. (Mater.), Scientific Research Center «Construction», Structural Concrete Association, International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM), Technical Committee of American Concrete Institute ACI 241 «Nanotechnologies of Concrete», Moscow, Russian Federation

Oleg L. FIGOVSKY, Dr. Sci. (Eng.), Israel Polymate research center, Nanotech Industries, Inc., Daly City, California, USA; Migdal HaEmek, Israel

Zhengyi FU, Dr. Sci. (Eng.), Prof., Wuhan University of Technology, State Key Lab of Advanced Technology for Materials Synthesis and Processing, Wuhan, China

Leonid A. IVANOV, Cand. Sci. (Eng.), Russian Academy of Engineering, International Academy of Engineering, Center for New Technologies «NanoStroitelstvo», Moscow, Russian Federation

Sergei V. KALIUZHNIY, Dr. Sci. (Chem.), Prof., RUSNANO, Moscow, Russian Federation

Vadim G. KHOZIN, Dr. Sci. (Eng.), Prof., Kazan State University of Architecture and Engineering, Department «Technology of Construction Materials, Products and Structures», Kazan, Russian Federation

Evgeniy V. KOROLEV, Dr. Sci. (Eng.), Prof., Moscow State University of Civil Engineering (National Research University), Scientific and Educational center «Nanomaterials and nanotechnologies» Moscow, Russian Federation

Leonid M. LYNKOV, Dr. Sci. (Eng.), Prof., Belarussian State University of Informatics and Radioelectronics, Department «Information Security», Minsk, Belarus

Polad MALKIN, Dr. Sci. (Phys.-Math.), Ben-Gurion University in the Negev, StartUpLab, Beer-Sheva, Israel

Viktor S. MECHTCHERINE, Dr. Sci. (Eng.), Prof., Technical University of Dresden, Institute of Construction Materials, Dresden, Germany

Surendra P. SHAH, Dr. Sci. (Eng.), Prof., Northwestern University, Evanston, Illinois, USA

Vladimir Y. SHEVCHENKO, Dr. Sci. (Chem.), Professor, Institute of Silicate Chemistry named after I.V. Grebenshchikov of Russian Academy of Sciences, Coordinating Council on Development of Nanotechnologies attached to the Committee of the Council of the Federation of the Federal Assembly of the RF on Science, Culture, Education, Medicine and Ecology, Saint-Petersburg, Russian Federation

Pawel SIKORA, Ph.D., Associate Professor, West Pomeranian University of Technology in Szczecin, Faculty of Civil and Environmental Engineering, Department of General Civil Engineering, Szczecin, Poland

Konstantin G. SOBOLEV, Prof., University of Wisconsin-Milwaukee, Technical Committee of American Concrete Institute ACI 241 «Nanotechnologies of Concrete», Milwaukee, Wisconsin, USA

Valeriy I. TELICHENKO, Dr. Sci. (Eng.), Prof., Moscow State University of Civil Engineering (National Research University), Moscow, Russian Federation

Larisa A. URKHANOVA, Dr. Sci. (Eng.), Prof., East-Siberian State University of Technologies and Management, Department «Production of Building Materials and Wares», Ulan-Ude, Russian Federation

Li D. XU, Ph.D., Prof., Old Dominion University, of Information Technologies & Decision Sciences Department; Institute of Electrical and Electronics Engineers (IEEE), Norfolk, Virginia, USA

The Journal is registered as an independent mass media in the Ministry of Communication and Mass Media of the Russian Federation. (Registration Certificate Эл № ФС77 – 35813 of 31 March 2009 issued by the Federal Service on Supervision in the Sphere of Connection and Mass Communications).

Founder and Publisher – Center for New Technologies «Nanostroitel'stvo», Korolev, Moscow region, Russian Federation

Contacts: e-mail: l.a.ivanov@mail.ru

Address of edition: Russian Federation, 125009, Moscow, Gazetny per., bld. 9, str. 4

Contacts: e-mail: info@nanobuild.ru

Website: <http://nanobuild.ru/>

Release date of № 4 (Vol. 13) is 19.08.2021

ISSUED WITH SUPPORT OF



RUSSIAN ACADEMY OF ENGINEERING



INTERNATIONAL ACADEMY
OF ENGINEERING



WUHAN UNIVERSITY
OF TECHNOLOGY (CHINA)