
The Journal is 50 Years Old

Ukrainian scientific and technical journal “Metallurgicheskaya i Gornorudnaya Promyshlennost” celebrates its 50-th anniversary. The journal’s life is a reflection of history and solution of scientific and technical problems during both rampant development and operation of mining and smelting plants of Ukraine under conditions of market-oriented economy.

The papers about implementation of new equipment and advanced technology, computer-aided manufacturing, research scientific works and results of their manufacturing application, new design of plants, mechanisms and retrofit installation were published in the first issues.

The Editorial Team keeps contacts with directors and experts of scientific centers, institutes, design organizations, among which are: JSC "Integrated Iron & Steel Works "Zaporizhstal", OJSC "ArcelorMittal Kryvyi Rih", JSC "Iron & Steel Integrated Works "Azovstal", OJSC "Ilyich Iron & Steel Works of Mariupol", JSC "Interpipe NTZ", JSC "Dneprovsky Integrated Iron & Steel Works named after F. Dzerzhinskiy", JSC "Dneprospetsstal", Severstal, National Metallurgical Academy of Ukraine, Z. I. Nekrasov Iron & Steel Institute of National Academy of Sciences of Ukraine, State-Owned Ukrainian Institute for Designing Iron and Steel Works "Ukrghipromet", State Institute for Designing Enterprises of Coke Oven and By-Product Industry, Ukrainian State Scientific and Engineering Center "Energostal", State Enterprise "Ya. Yu. Osada Scientific Research Tube Institute", Donetsk National Technical University, Pryazovskiy State Technical University, etc.

Reading the journal helps to be aware of new in ferrous and nonferrous metallurgy, ore mining, mechanical engineering and use achievements and experience of experts in this branch in practice. It is especially important because scientific papers published in the journal are a constituent of national information resources and important factor of economic growth.

Information related to solution of economic problems, working out of new technologies and equipment for competitive production, environment protection, multipurpose utilization of raw materials and other areas of scientific-and-technological advance is regularly covered in the journal.

Ukrainian metallurgy has been progressively developing for the last years owing to consolidation of high school, academic, branch and factory science.

Publications on the journal pages helped the enterprises to adapt for market relations.

The journal as a part of "Scientific Research Institute "Ukrmetallurginform" Ltd. was a founder of All Ukrainian Association of Information Services.

"Scientific Research Institute "Ukrmetallurginform" Ltd. became the founder of Association of scientific and design organizations of mining and smelting industry of Ukraine (“NAPRO”).

The journal “Metallurgicheskaya i Gornorudnaya Promyshlennost” took an active part in preparation and publication of collection “Scientific and Innovative Ideas of Dnipropetrovsk Region Development”. Also we were invited to create the mining and smelting museum “Ukrainian Technoland” in Yenakievo.

Delegations of Ministry of Economics of Japan, metallurgists from China and German experts visited our Editorial Office in 2009.

For many years the journal has been successfully co-operating with German Iron & Steel Institute (Stahlinstitut VDEh) – the publisher of “Stahl und Eisen”. We are invited to take part in

preparation of collection of materials of historical committee of German metallurgists.

Occasionally, “Metallurgicheskaya i Gornorudnaya Promyshlennost” publishes the conference proceedings: on rolling, steelmaking and other manufactures, as well as issues devoted to persons celebrating a jubilee.

The contents and structure of the journal change constantly according to current requirements.

In 2010, according to decision of the State Commission for Academic Degrees and Titles the journal was included in the list of editions on both technical and economic sciences.

The editor-in-chief is always discussing with readers the problems in metallurgy, support of science under present-day conditions, scientific and technical information, etc. The following issues were brought up in both editorials and scientific papers:

- problems in branch science. There is no uniform concept of branch science creation which corresponds to the new trend of economy growth. Today, scientific and design institutes feel lack of scientific research results;

- absence of draft bill about the state support of branch science;

- quality of life and influence of mining and smelting industry on this problem;

- environmental protection;

- power consumption decrease;

- social problems;

- research intensity and competitiveness of metal products;

- innovative activity with attracting investments as a basis of economy growth;

- creation of national scientific centre of metallurgy for coordination of research scientific results, prospect of development of mining and smelting industry, information technologies. Information and scientific knowledge become the primary productive factors that define the development of society and affect GDP growth;

- absence of structured metal-consuming home market. Mining and smelting industry of Ukraine being a key branch provides more than 20 % of Gross Domestic Product and approximately 40 % of currency earnings. Export of 80 % of Ukrainian enterprises defines its essential dependence on the world market conjuncture;

- staff assistance of the branch with technical specialists;

- role of science in the development of mining and smelting industry of Ukraine;

- metal products deliveries to the market of Russia, import of coking coal. We understand the complicated combination of political and trade relations between the European Union and Union of Russia, Belarus, Kazakhstan (Customs Union). Commercial exchange between Russia and Ukraine dropped sharply. For example, imposition of duty on Ukrainian pipes to 8 % made them noncompetitive in the Russian market.

In our opinion, the government program of industry development should be controlled and coordinated on a regular basis, especially during unpredictable periods of development of the world economy and market relations. It is necessary to mention the role of academic and branch science taking into account some preferences from the state with the purpose to make financial and industrial groups interested as, for example, in legislation of USA, Italy, etc.

In the nearest issues we will deal with the prospects of technical development and economic problems as well as expand a range of covered technical subjects in related industries, in particular - mechanical engineering.

Under conditions of severe competition in the world market, Ukrainian metallurgists, financial and industrial groups together with the state services are obliged to increase home consumption of rolled metal products, improve their consumer properties, work on cost saving and cost price decrease as well as increase in labor productivity.

Having a huge scientific potential and qualified personnel, Ukrainian metallurgy has a chance to take the honorable position in the world market. And the journal is willing to present its pages for publication of materials about development of mining and smelting industry.

Besides and the most important is that the journal's staff is oriented on the international market and attraction of scientists and specialists from all around the world as authors and editors. For this purpose, we have started publishing an English version "Metallurgical and Mining Industry" since 2009.

Thank you for your support and cooperation.

Editor-in-Chief

Anatoliy Grinev