

## 50-YEAR JUBILEE OF THE JOURNAL “ELEKTRONNAYA OBRABOTKA MATERIALOV”

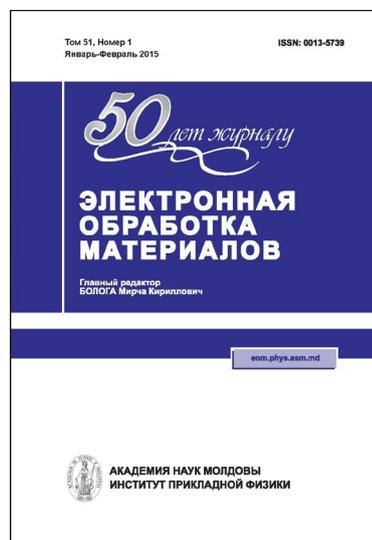
Academician **Mircea BOLOGA**  
Chief-editor of the journal

### Dear authors and readers,

Making a retrospective view I emotionally recall the stages of initiation and evolution of the journal “Elektronnaya Obrabotka Materialov” (EOM). I am pleased to note the ascending trajectory of its development with increasing significance of the results and ideas, scientific value and applicability of the published materials, which our journal steadily spreads worldwide.

The journal has become a noticeable phenomenon among the scientific periodical editions. During five decades the journal has passed the way from the first issues mainly consisting of publications presented by the members of its Editorial Board to multiple contributions from various countries. Its remarkable initiation has had a distinguished continuation, and it remains alive until now. We hope for its successful future. During the years the Editorial Board of the EOM could have adapted to the changing publishing rules and has been meeting the growing demands of the publishes, ensured the continuous publishing of the English version of the journal (first under the title “Applied Electrical Phenomena” and later as “Surface Engineering and Applied Electrochemistry”) according to the established schedule, publishing rules, and guidelines. Later the journal was included in the global databases (see <http://www.com.phys.asm.md>); it was awarded an impact factor. The hard copy of the journal is being published, and its electronic version is available too (<http://www.allertonpress.com>; <http://www.springerlink.com>). The practice of the interlibrary exchange with the leading editions in many countries is also widely used. In this way the EOM unites specialists of various countries and continents, promotes the dissemination of knowledge related to unlimited possibilities of electricity and its applications.

Note that the initiation and future evolution of the journal were defined in the day when the Institute of Applied Physics (IAP) was established (March 9, 1964). It was mentioned in the first 1965 issue of the journal launched according to the initiative of Academician B.R. Lazarenko that the EOM originated as the first specialized journal devoted to new applications of electricity based on the utilization of electrical discharges and fields. Its initiation and future development demanded an immediate and continuous activity related to the collection of articles for the first issues, formation of the groups of contributors and reviewers, regular acquisition of articles for the subsequent bimonthly issues, editing and preparation of issues for printing according to



the schedule. The journal initially was published by the Editorial and Publishing Department of the Academy of Sciences of Moldova (further – the “Stiinta” Publishing House). I would like to sincerely acknowledge the entire staff involved in the activity of the journal “Elektronnaya Obrabotka Materialov”, which has disseminated information about the research activity of the IAP and the Academy of Sciences. Since 1998 the journal has been published by the “Elan Poligraf”, and our joint work successfully continues.

The jubilee issues of the journal, which seem to be somewhat emotional, became traditional. They remind us of the various stages traversed. When we recall the history of the EOM and IAP we can see that the reminiscences are continued in new tendencies, which confirm the multifaceted character and great potential of electricity with its evolution, traditions, and innovations. In the review articles, which we usually publish to mark the anniversaries, we analyze the published materials, distribution of the articles according to the topics and the contributors’ countries, and one can see that the journal embraces the methods of preparation and treatment of materials, electrical methods of action, traditional and advanced quickly developing technological processes. The English version of the licensed journal is now published under the title “Surface Engineering and Applied Electrochemistry” and spread by the Springer Company. The journal popularizes scientific and engineering achievements, information on the new methods of processing of materials, electrical processes in technology and chemistry, processing of biological media and foodstuffs, etc. This makes it a recognized edition within the scientific community worldwide.

We are indebted to MAIK NAUKA/INTERPERIODICA (Moscow) and ALLERTON PRESS INC. (USA) for our fruitful cooperation, which we greatly appreciate. It promotes the high reputation of the journal, ensures its scheduled preparation, fulfillment of the up-to-date rules and requirements of publishing. We acknowledge our contributors for the continuous multi-annual cooperation and willingness to improve their papers according to the notes of reviewers, since the remarks give the authors an outside point of view. We hope that our international cooperation will make the world of materials science and electricity more accessible, productive, and efficient.

Following the best traditions of the journal we expand the community of our foreign authors, invite renowned scientists, not only from economically and technologically developed countries, in the Editorial Board and as reviewers. The EOM is an original collection of technologies and innovations of an exclusive importance, which we carefully sustain and improve. The journal is one of the important symbols of the IAP and the Academy of Sciences of Moldova.

Having passed through a 50-year way with the “Elektronnaya Obrabotka Materialov”, working at each issue of the journal, I feel responsibility and is proud that the journal received an international recognition. We appreciate it as one of the most precious phenomena in the Institute and the Academy of Sciences. The EOM gives an overview of new applications of electricity; this information continuously becomes more and more interesting, informative, and attractive. It shows evidence that electricity is a valuable gift, which should be rationally used.

I would like to note the activity of the Editorial Board and editorial staff during these 50 years, their teamwork, responsibility, and effectiveness. I appreciate the efforts of the reviewers, the attention of and to the contributors. I would like to acknowledge the cooperation of the authors with the journal, their input in the collection of electrophysical and electrochemical technologies. Many scientific institutions wish to publish an international journal. Fifty years ago we were awarded this honorary possibility and will continue to fulfill our responsibilities, keep alive the flame of creative work, since there is no more noble dead than publishing important scientific results, advanced elaborations, novel technologies, and smart engineering solutions. We also try to demonstrate the fascinating beauty of electricity.

The EOM promotes solutions in the field of electricity and electrophysics, solidarity of specialists, continuity of generations. We have to nurture innovative technologies, to sustain the EOM as a widely known and reputable journal, which reviews and disseminates up-to-date and promising knowledge and innovations. Our goals are new technologies; electricity will transform them into a successful reality. The authors of the

EOM fascinated with reminiscences and hopes not only describe and speak about various wonders, they make them true. Let reality and hope walk step in step. Science gives the proper directions. We carry out research and development activities, feel the beauty and power of electricity. We slightly regret the past, though expect a better future. Following the steps of research and innovations we are proud of the Institute of Applied Physics and the journal “Elektronnaya Obrabotka Materialov”. Our results become known worldwide, and this is a time-proved tradition. There are geographical boundaries, but research and findings in the world of electricity are unlimited. With our 50-year experience of work in the field of electricity we begin a new time span. There emerge new opportunities, we expect and train our disciples who will climb new mountains following the traditions and cultivating the perceptiveness and abilities for innovations.

In the world of international publishers the EOM is not only the achievement of the IAP and the Academy of Sciences of Moldova; the journal is included in the international network of scientific periodicals. This is an implicit success and breakthrough; this illustrates the attitude to electricity and its applications, their promising future. Therefore, the Institute of Applied Physics shows its devotion to electrophysical technologies and engineering elaborations, novel goals, great expectations, unconventional approaches and solutions.

“Elektronnaya Obrabotka Materialov” represents the academic science of Moldova on the international scale; it is the symbol of recognition of the successes of our researches working in the wonderful field of electricity. Let the journal EOM brightly shine in the constellation of periodical editions. I sincerely wish to our contributors and readers new achievements, happiness, and prosperity. Any period of life brings its own reason for being. In the near future we should ensure the novelty, originality, and significance of publications, the high level of reviewing, sincerity and respect for the contributors and readers, compliance with the publishing rules, successful work in the very demanding world of scientific periodical editions.

The future unravels the mysteries of the past. The reminiscences of the half-century path are unforgettable, but we are striving forward. We envisage a hard work ahead, respect for traditions, daring ideas, discoveries, and their implementation. The magic of science unites the reminiscences, opens new prospects, and consolidates the faith in the future for the Institute of Applied Physics and the journal “Elektronnaya Obrabotka Materialov”.

Each researcher, contributor, and reader has his/her own approach, good luck, and endowment. I wish the harmony of reality, wishes, and dreams will always accompany you.