

65th Anniversary of Publishing Activity of the Military Technical Institute and of the Journal Scientific Technical Review

Editorial Board of the Scientific Technical Review ¹⁾

ONE of the very important activities of the Military Technical Institute (VTI), Serbia, which makes its recognition in the world's scientific-technical public, is also the publishing activity. Scientific-technical publishing dates in the institute from its very founding in 1948.

The publishing activity of the Institute represents the subsystem of the VANTIS system (Military Information and Scientific Technical Information System) which stands for the basis of scientific-technical information system of VTI.

Regular publishing activity of VTI refers to printing of the following series publications:

- Scientific Technical Review (journal; ISSN 1820-0206),
- Scientific Technical Information (monograph; ISSN 1820-3418) and
- Armament Data (factographic monograph; ISSN 1820-3426)

All three series publications are of the multidisciplinary character in the broadest sense and are primarily oriented to publishing of scientific and technical/professional papers in the area of military technical sciences. In addition to the mentioned series publications, the publishing activity of VTI also comprises the periodical compilation of publications such as: books, collections of papers, firing data, bibliographies, bulletins, manuals and so on.

This is the year when the "*Scientific Technical Review*", a journal of the Military Technical Institute marks sixty-five years of its continuous life. It was launched in the mid-20th century aiming at informing engineers and researchers both from the Military Technical Institute and the military industry about the latest achievements in military technology. It has become a leading national scientific-technical publication of a multidisciplinary character which publishes original scientific papers with the results of original applied research in the field of state-of-the-art weapons and military equipment.

The Review was first published under the title "*Review of Technology News from Military References*" towards the end of 1950, offering information about the most interesting achievements in the field of military technical science. From 1959 to 1962, it was published under a modified title "*Review of Military Technical Achievements*", bringing translations of selected articles from foreign military periodicals of direct interest to the military-technical researchers. More than 5,000 news from foreign periodicals published by 1962 covered the latest military achievements as well as the results of scientific research from many military disciplines such as: interior and exterior ballistics, artillery and infantry weapons, tanks and armoured vehicles, aeronautical technology, engineering, naval technology, telecommunications and radar technology, missiles and rocket propellants, explosives and powders, chemical agents and equipment, nuclear weapons, special equipment, logistic support, transportation, metallurgy,

special metal and non-metal materials, corrosion, toxicology and radiobiology, camouflage equipment etc.

In 1962, the title was changed to "*Scientific Technical Informative Review*", and in 1965 it got its present name "*Scientific Technical Review*". The changes in the title reflected the changes in the character and the profile of the periodical. Therefore, the Review is primarily focused on publishing original scientific and professional papers in the field of military technical disciplines. The first original scientific and professional papers were published in No.9 (1963), covering the research in the effects of seismic activities on special-purpose structures, exterior ballistics and characteristics of materials used in infrared technology.



One of the Review design from 1950 to 1959

Since 2002, the Review has been published in English under the current name "*Scientific Technical Review*", with abstracts in Serbian, Russian and French. Besides the hard copy, it is also available in an electronic version as well as an INTERNET presentation in four languages (www.vti.mod.gov.rs/ntp or www.vti.mod.gov.rs).

Since 2006, together with the dynamics of the *Scientific Technical Review* publication, one editorial per year has been dedicated to the memory of one world-famous scientist, thus marking their anniversaries. The scientific work of Nikola Tesla, Aleksandr Mikhailovich Lyapunov, Leonhard Euler, Milutin Milankovic, Rudjer Boskovic, Gustav Eiffel and Mihajlo Pupin has been described so far.

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The growing quality of the Review over the years has resulted in its recognition in the scientific circles. On more than 26,500 pages, the "*Scientific Technical Review*" enshrines the invaluable contributions of generations of researchers involved in the development of military technology and numerous civilian projects as well. Nearly 4,300 experts, mostly with the highest academic titles, from national and foreign military and non-military institutions, have published more than 3,700 papers of scientific and professional importance.

For its 20th anniversary, in 1970, the "*Scientific Technical Review*" was awarded the "Medal for Military Merits with the Big Star" by the president of the SFR of Yugoslavia for its contribution in the field of technical sciences and information on the latest technical achievements. Five years later the Review was awarded the "Large Medallion of the Yugoslav Army" for the promotion of scientific research. The Editorial Board of the STR has received letters of gratitude for fruitful cooperation from editorial boards of numerous national and foreign periodicals.



Review design from 1965 to 1987

Nowadays, a primary scientific periodical in the field of technical sciences, the "*Scientific Technical Review*", covers a multitude of scientific and professional disciplines of interest for research and development of weapons and military equipment. It traditionally provides for the following scientific disciplines: aerodynamics, ballistics (interior, exterior and terminal ballistics), rocket propulsion, flight mechanics, physics of explosion, aircraft construction (aircraft and unmanned aerial vehicles), aircraft guidance and control, automatic control, mechanics of ballistic systems, tanks and combat and non-combat vehicles (armoured bodies, power groups and transmissions), optics and optoelectronics, laser technology, microwave and radar techniques, military telecommunications, sensors, ordnance (explosives, powders, rocket propellants, pyrotechnic mixtures),

electrical power units, special metal and non-metal materials, corrosion and material protection, chemical and nuclear protection, toxicology and radiobiology, engineering and protective constructions, camouflage techniques, flying vehicle propulsion units, resistance, ship propulsion and strength, computers and information technology, robotics, and specific problems from fundamental sciences and general technology.

This multidisciplinary periodical, classified as a scientific journal regularly appears quarterly, with a current circulation of 250 copies per issue and has the International Serial Standard Number ISSN 1820-0206. It is in colour and each copy is with about 65 pages on average. The multinational Editorial Board prepares for publications the original scientific papers with two peer reviews. It has been categorized as scientific journal of the national significance. Since 2000, the journal is published in an electronic form which represents its digitalized classical edition. The "*Scientific Technical Review*" data base within the VANTIS contains the abstracts of all articles published so far, as well as names of the authors.

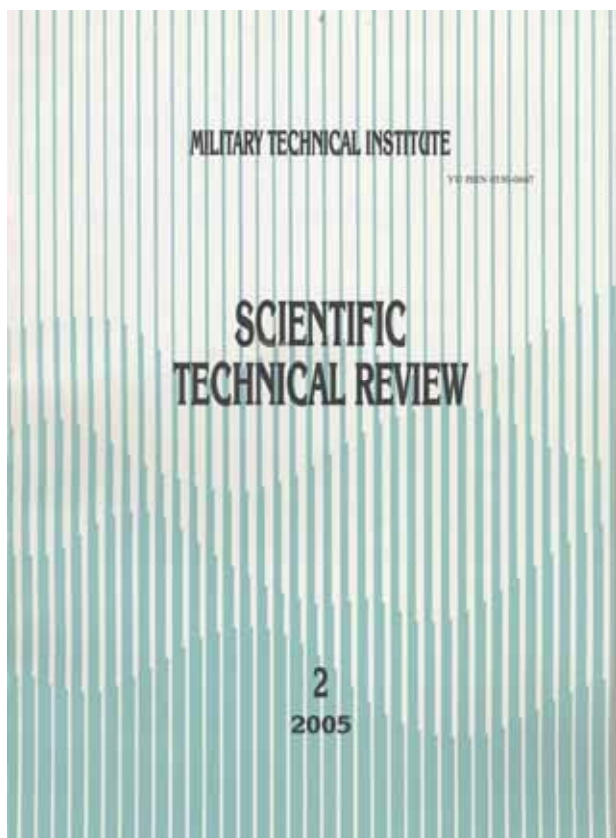
In accordance with the UNESCO classification, the "*Scientific Technical Review*", as primary literature in technical science, publishes the following categories of papers:

- ORIGINAL SCIENTIFIC PAPERS,
- PRELIMINARY COMMUNICATIONS
- SURVEY PAPERS,
- PROFESSIONAL PAPERS and
- COMMUNICATIONS ON SCIENTIFIC MEETINGS

A very high scientific level of the journal is provided not only through the work of the eminent experts from the Military Technical Institute, but also through contributions of authors from highly regarded professional and academic institutions from the country and abroad. Foreign authors accounted for about 20% of the published papers.

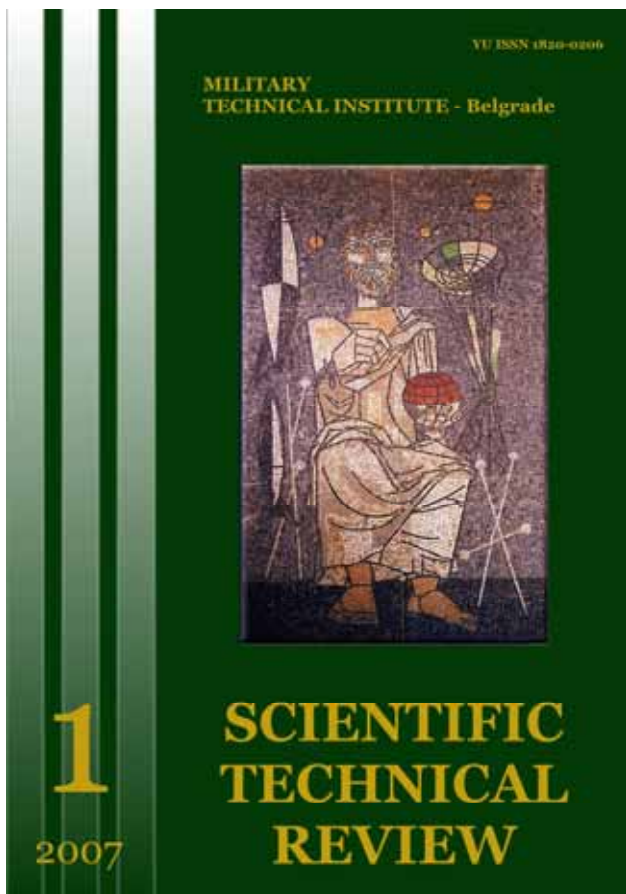


Review design from 1988 to 1997



Review design from 1998 to 2006

In its sixty-five years long life, the "*Scientific Technical Review*" changed its appearance several times. The current one, based on the mosaic depicting Archimedes (detail of mosaic by academician Lazar Vozarević), was designed in 2007.



Review design from 2007

The journal "*Scientific Technical Review*", which is issued in continuity for six and a half decades, is not only one of the oldest professional scientific-technical journals in Serbia, but also one of the rare journals of that kind in Europe with such a long and rich publication and scientific-technical tradition. The journal is regularly distributed throughout the country and about twenty countries worldwide*. Also, the journal is delivered to editorial offices of other domestic and foreign scientific-technical journals through the exchange based on one to one principle**.

In the end, the Editorial Board invites all interested "*Scientific Technical Review*" readers in promoting their professional and scientific work which matches the profile of the Review to submit their papers and contribute to the journal's quality.

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Scientific Technical Review
Editor in Chief
Zijah Burzić, PhD (Eng)

* The British Library, Wetherby - **ENGLAND**,
Chemical Abstract Service, Columbus - **USA**,
Thomson Scientific Regional Head Offices, Philadelphia - **USA**,
Russian National Public Library, Moscow - **RUSSIA**,
Moscow State Aviation Institute, Moscow - **RUSSIA**,
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Polytechnical Academy Bordej-El-Bahri, Algeria - **ALGERIA**
Institut de Mecanica Solidelor, Bucharest - **ROMANIA**
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University of Zenica, Zenica - **BOSINIA AND HERZEGOVINA**

** Defence Global, Zarubeznoe Voenoe Obozrenie, Mechanique Appliquee, Thermal Science, Nuclear Technology & Radiation Protection, Journal of Mathematics, Machine Design, FME Transactions, Chemical Industry etc.

SCIENTIFIC TECHNICAL REVIEW EDITORS (1950.-2015.)

1950.-1965.

The Review is edited by the Editorial Board of the Institute for scientific technical documentation and information which became a part of the Military Technical Institute in 1972.

1966.

Editor-in-chief **Vladimir Đorđević**, MSc (Eng)

1967.-1972.

Managing editor **Milivoj Jugin**, MSc (Eng)
Executive editor **Nadežda Blagotić**, MSc (Eng)
Editor Prof. **Jovan Trivunac**, MSc (Eng)

1973.-1976.

Managing editor Prof. **Milivoje Sekulić**, PhD (Eng)
Executive editor **Nadežda Blagotić**, MSc (Eng)
Editor Prof. **Jovan Trivunac**, MSc (Eng) (1973.-1975.)
Miodrag Tijanić, BSc (Eng) (1976.)

1977.-1984.

Editor-in-chief **Nadežda Blagotić**, MSc (Eng)
Editor **Miodrag Tijanić**, BSc (Eng)

1985.-1986.

Editor-in-chief **Stevan Borčić**, MSc (Eng)
Editor **Miodrag Tijanić**, BSc (Eng)

1987.-1988.

Editor-in-chief **Nadežda Blagotić**, MSc (Eng)

1989.-1993.

Editor-in-chief **Janko Viličić**, PhD (Eng)
Editor **Miroslava Lalović**, BSc (Eng)

1994.-2002.

Editor-in-chief Prof. **Danilo Ćuk**, PhD (Eng)
Editor **Miroslava Lalović**, BSc (Eng)

2003.-2006.

Editor-in-chief Prof. **Marinko Ugrčić**, PhD (Eng)
Editor **Zoran Drašković**, PhD (Eng) (2003.)
Dušan Maoduš, MSc (Eng) (2004.)
Miroslav Jandrić, MSc (Eng) (2005.-)

2007.

Editor-in-chief **Dušan Rajić**, PhD (Eng)
Editor **Miroslav Jandrić**, MSc (Eng) (2005.-)

2008.-2013.

Editor-in-chief Prof. **Stevan Maksimović**, PhD (Eng)
Editor **Miroslav Jandrić**, MSc (Eng) (2005.-)

2014.

Editor-in-chief **Zijah Burzić**, PhD (Eng)
Editor **Miroslav Jandrić**, MSc (Eng) (2005.-)



A part of the Editorial Board of the *Scientific Technical Review* journal (STR) for 2015, from left to the right:

Ivan Pokrajac, Goran Dikić, Marija Samardžić, Stevica Graovac, Branko Livada, Aleksandar Rodić, Miroslav Jandrić, Dragoljub Vujić, Katica Stevanović-Hedrih, Zijah Burzić, Slavica Ristić, Slobodan Jaramaz, Nikola Gligorijević i Vencislav Grabulov.

65 godina izdavačke delatnosti Vojnotehničkog instituta i časopisa Scientific Technical Review

65 лет издательской деятельности Военнотехнического института и журнала Научно-технический обзор

65 ans d'activité de publication de l'Institut militaire technique et de la revue Scientific Technical Review