

70 years " SCIENTIFIC TECHNICAL REVIEW "

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Editorial Board of Scientific Tehnical Review

TIME is a phenomenon that we are not able to control, stop or change. It is flowing its course and regardlessly passing by. Time is a measurable size. It can be past, present or future but its running is always the same. Otherwise, subjectively regarded, time is always running in a different way depending on what we are doing, where we are, who we are with.

Sometimes we must stop and think about: Where the beginning is, are we satisfied with our results, does it make sense for us to continue?

If we question a period of **70 years** and if we question a mixture of science, **researches** and **publishing activities**, then there is a lot to talk about. First steps, insecure attempts, expectations, obstacles, sometimes losses, bravely exceeded to be followed by joy, success and pride. So, this success and pride in the last 70 years has one name: **The journal "Scientific Technical Review"**.

The Scientific Technical Review is an open access journal, whose aim is informing and educating engineers and researchers from the Military Technical Institute and the military industry about the latest achievements and discoveries in defense technology.

present original scientific and professional contributions reporting a complete research works, leading to the understanding and application of knowledge based on theoretical, experimental or computational approaches.

This is the place where we are gathering achievements in all areas pertaining to: Military technical science and technologies, Mechanical engineering, Electrical engineering, Electronic engineering, Applied and industrial mathematics, Mechanics, Computer technology, Telecommunication and information technologies, Materials and chemical technologies, Mechatronics, Automation and control engineering.

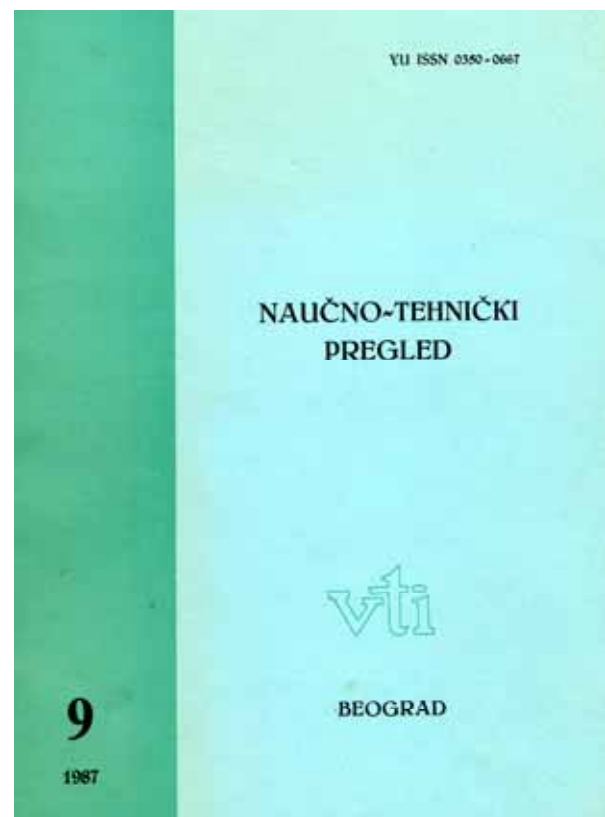
At the very beginning (the end of 1950) the Review was published under the title "**Review of Technology News from Military References**", offering information about the most interesting researches in the field of military technical science.

Soon, it has become a leading national scientific-technical publication of a multidisciplinary character which offers scientific papers with the results of original applied research in the field of state-of-the-art weapons and military equipment.



Review's design from 1950 to 1964

Four times a year, the Review publishes original scientific papers, review papers and short communications. Articles



Review's design from 1965 to 1987

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Nine years later 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: infantry and artillery weapons, tanks and armored vehicles, aeronautical technology, engineering, naval technology, telecommunications and radar technology, missiles and rocket propellants, chemical agents and equipment, nuclear weapons, special equipment, logistic support, transportation, metallurgy, interior and exterior ballistics, explosives and powders, special metal and non-metal materials, corrosion, toxicology and radiobiology, camouflage equipment etc.

In **1962**, the title was changed one more time to "**Scientific Technical Informative Review**", and in **1965** it got its present name – "**Scientific Technical Review**".

The changes in the title inevitably 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 and professional articles were published in No. 9 (1963), covering the research in the effects of seismic activities on special-purpose structures, exterior ballistics and the characteristics of materials used in infrared technology.

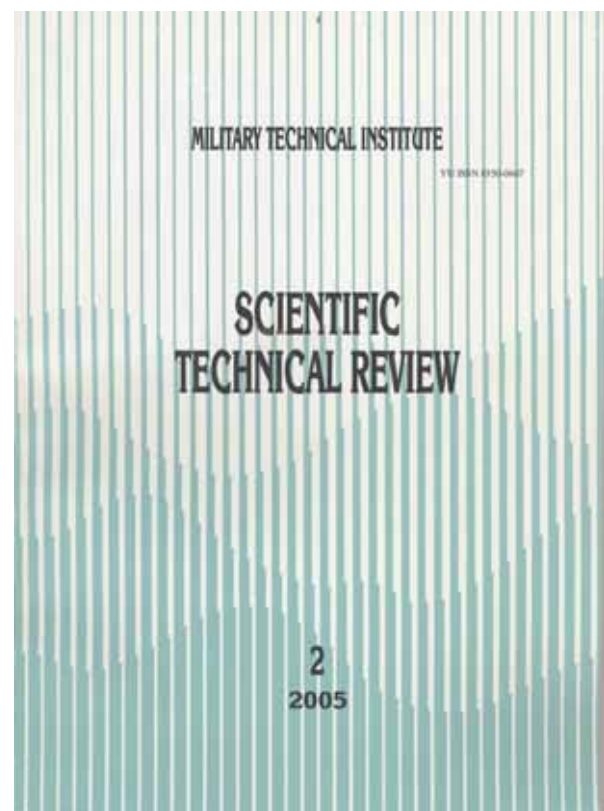
The growing quality of the Review over the years has resulted in its recognition in the scientific circles. On more than 28,000 pages, the Scientific Technical Review enshrines the invaluable contribution of generations of researchers involved in the development of military technology and numerous civilian projects as well. Nearly 4,500 experts, mostly with the highest academic titles, from national and foreign military and non-military institutions, have published more than 3,800 papers of scientific and professional importance.



Review's design from 1988 to 1997

For many years of work, persistence, perseverance and major results the Scientific Technical Review is categorized as a scientific journal of the national significance for reason. For its **20th** anniversary, in 1970, it 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 magazine was awarded **The Large Medallion of the Yugoslav Army** for the promotion of scientific research. The Editorial Board of the Scientific Technical Review has received **letters of gratitude** for fruitful cooperation from editorial boards of numerous national and foreign periodicals.

In the 21st century the Review stepped up with some news: publishing in English, with abstracts in Serbian, Russian and French. As the Internet conquered the world, so the journal also became available in an **electronic form** which represents its digitalized classical edition (www.vti.mod.gov.rs/ntp or www.vti.mod.gov.rs).



Review's design from 1998 to 2006

Since 2006, a tradition of dedicating an edition once a year to the memory of one world-famous scientist was established, thus marking their anniversary and introducing their lives and scientific work to our readers. Nikola Tesla, Milutin Milanković, Mihajlo Pupin, Aleksandr Mikhailovich Lyapunov, Leonhard Euler, Ruđer Bošković, Gustave Eiffel Marie and Irene Curie, Mihailo Petrović – Mika Alas, Pavle Savić have been described so far. This is the way the Review sends a special message for the coming generations to be proud of our scientists who promoted our small country all over the world.

This multidisciplinary periodical, recognized as a scientific journal at the national level, regularly appears quarterly, with a current circulation of 100 copies per issue, each with 60 pages on average. It has the International Serial Standard Number ISSN 1820-0206. The multinational Editorial Board prepares the original scientific papers for publication with two peer reviews. The Scientific Technical Review data base

within the VANTIS (Military Information and Scientific Technical Information System) contains the abstracts of all articles published so far.

The journal is a part of International System of Cross-referencing so each of published article is assigned with a special numerical code DOI (Digital Object Identifier). Since May 2020, the Scientific Technical Review is accepted for indexing in the Directory of Open Access Journals (DOAJ) which will give a main contribution to citation in other papers.



Review's design from 2007 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;
- REVIEW PAPERS and
- SHORT COMMUNICATIONS.

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 20% of the published papers in 2009. The journal is regularly distributed throughout the country and about **20 countries** worldwide - Wetherby - **ENGLAND**, Columbus, Philadelphia – **USA**, Moscow, Sankt-Petersburg - **RUSSIA**, Hanover, Frankfurt – **GERMANY**, Parma – **ITALY**, Kharkiv – **UKRAINE**, Oslo – **NORWAY**, Algiers - **ALGERIA**, Bucharest – **ROMANIA**, Ankara – **TURKEY**, Banja Luka, Zenica – **BOSNA AND HERZEGOVINA**, Toronto **CANADA**, Xanthi - **GREECE**, Saint-Denis - **FRANCE**, Lisse - **HOLLAND**, Melbourne - **AUSTRALIA**, Podgorica - **MONTENEGRO**.

The periodical has an excellent partnership with domestic scientific and educational institutions, universities, libraries and other magazines as well - The Serbian Academy of Sciences and Arts, The National Library of Serbia, Matica Srpska Library, The Svetozar Marković University Library, University Library in Kragujevac, University Library Nikola Tesla in Niš, Ministry of Education, Science and Technological Development, Ministry of Defence, Faculty of Technical Sciences in Novi Sad and Kosovska Mitrovica, State University of Novi Pazar, Faculty of Mechanical Engineering in Belgrade, Niš and Kragujevac, Faculty of

Electrical Engineering in Belgrade, Faculty of Electronic Engineering in Niš, Faculty of Technology and Metallurgy in Belgrade, Faculty of Mathematics in Belgrade, Military Geographical Institute in Belgrade, Nuclear Institute in VINČA, Institute MIHAJLO PUPIN, Institute of Physics, Institute GOŠA, IMS Institute, Yugoimport-SDPR, Technical Test Center in Belgrade, Military High School and Military Academy, The Academy of Criminalistics and Police Studies, Union of Engineers and Technicians of Serbia, JOURNAL "DEFENCE", JOURNAL "IMK-14" in Kruševac, JOURNAL OF THE SERBIAN CHEMICAL SOCIETY in Belgrade, JOURNAL OF MATHEMATICS in Novi Sad.

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 its **70-year long life**, the Scientific Technical Review changed its appearance several times. In **2007** academician Lazar Vozarević designed the Review's current appearance, based on the mosaic depicting Archimedes.



Review's cover designed by academician Lazar Vozarević

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 (armored 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.

Scientific technical review editors (1950 - 2020)

This journal could not have such a rich history behind itself and all these recognitions could not be real if there was not such a responsible team of people dedicated to science who collect scientific papers, process all information, communicate with authors, form graphical design, print and distribute all those years each issue to make every research and discovery available to wide audience as soon as possible.

Of all the experts who contributed to the magazine those who have the longest collaboration are: Nadežda Blagotić, MSc (Eng) (almost 20 years), Jovan Trivunac, MSc (Eng) (10 years), Miodrag Tijanić, BSc (Eng) (13 years), Miroslava Lalović, BSc (Eng) (13 years), Danilo Ćuk, PhD (Eng) (9 years) and Miroslav Jandrić, MSc (Eng) (15 years).

In addition we have to mention some former important cooperants from the Military Technical Institute: Prof. Desimir Vučić, PhD (Eng), Prof. Radomir Janković, PhD (Eng), Prof. Bogdan Bošković, PhD (Eng), Miomir Kalezić, PhD (Eng), Anastas Paligorić, and Prof. Dragoljub Vujić, PhD (Eng).

At the very beginning (1950 - 1965) the Review was 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.

The Editorial Board was responsible for deciding which of submitted articles will be published.

In 1966. Editor-in-chief became **Vladimir Đorđević**, MSc (Eng).

The next 6 years (1967 - 1972) Managing editor was **Milivoj Jugin**, MSc (Eng), Executive editor **Nadežda Blagotić**, MSc (Eng) and Editor Prof. **Jovan Trivunac**, MSc (Eng)

From 1973 to 1976 Managing editor was Prof. **Milivoje Sekulić**, PhD (Eng), Executive editor **Nadežda Blagotić**, MSc (Eng), and Editors Prof. **Jovan Trivunac**, MSc (Eng) and **Miodrag Tijanić**, BSc (Eng)

For the next 8 years (1977 - 1984) **Nadežda Blagotić**, MSc (Eng) was the Editor-in-chief, and **Miodrag Tijanić**, BSc (Eng) was the Editor.

From 1985 to 1986 Editor-in-chief was **Stevan Borčić**, MSc (Eng), Editor **Miodrag Tijanić**, BSc (Eng)

From 1987 to 1988 **Nadežda Blagotić**, MSc (Eng) edited the magazine independently as Editor-in-chief.

From 1989 to 1993 Editor-in-chief was **Janko Viličić**, PhD (Eng), Editor **Miroslava Lalović**, BSc (Eng)

The next period of 9 years (1994 - 2002) Editor-in-chief was Prof. **Danilo Ćuk**, PhD (Eng), Editor **Miroslava Lalović**, BSc (Eng)

From 2003 to 2006 Editor-in-chief was Prof. **Marinko Ugrčić**, PhD (Eng), Editors **Zoran Drašković**, PhD (Eng), **Dušan Maoduš**, MSc (Eng) and **Miroslav Jandrić**, MSc (Eng)

In 2007 Editor-in-chief became **Dušan Rajić**, PhD (Eng), and Editor **Miroslav Jandrić**, MSc (Eng)

From 2008 to 2013 Editor-in-chief was Prof. **Stevan Maksimović**, PhD (Eng), Editor **Miroslav Jandrić**, MSc (Eng)

From 2014 to 2018 The Review managed **Zijah Burzić**, PhD (Eng) as Editor-in-chief, and Editor was **Miroslav Jandrić**, MSc (Eng)

Since 2019 the journal has been managed by **Marija Samardžić**, PhD (Eng) as Editor-in-chief and **Vasilija Joksimović**, MSc (Eng) as Editor.

The journal "Scientific Technical Review", which has been issued continuously for seven 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.

In the end, the journal team welcomes all papers combining theory and experiments or basic and applied research and anchorages articles from young researchers from countries all over the world.

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70 godina " Naučno Tehničkog Pregleda "