

Fifty years of the *Fuels and Lubricants* journal

Dear readers!

It is my great pleasure to point out that within this issue we celebrate the **50th fifty anniversary of publishing of the journal *Fuels and Lubricants***! Our Journal is among the oldest in its area in the world, which gives additional significance to this anniversary. The credit for this in the first place belongs to its founders and a whole range of experts who work as editors and within the *Croatian society for fuels and lubricants*, through participation in professional and scientific meetings of the Society, who wrote papers and articles, and found out new subscribers and supporters from industry, contributed to the continuous publishing of the journal and its popularity.

And how did it all begin? In mid-1959th the Federal Center for use of fuels and lubricants, a specialized branch of the Union of professional mechanical and electrical engineers and technicians of Yugoslavia, in cooperation with the editorial department of the Federation of Associations for the protection of materials of Yugoslavia, began with publishing of its own professional journal called *Lubrication techniques and application of fuel*. At first it was conceived as a bimonthly, with the main task of popularizing of then relatively new and important technical area, to assist in the education and development of experts, and to allow the introduction of modern technical achievements in this field in industry and economy generally. The first chief editor was Josip Verčon from Belgrade, and members of the Editorial-Board were Albert Struna from Ljubljana, Bogdan Vajagić from Zagreb and Antun Belan from Rijeka. The initial difficulties regarding finance and organization as well as the paucity of experts and scientists specialized in this area, caused the irregular publishing initially. However, shortly after there were the subscribers of the journal beyond expectations, which have proved the need for such a magazine that was evaluated as an interesting and at a high professional level. At the beginning of 1964th editorial board was changed and expanded, mostly with experts from Sisak, Rijeka and Zagreb. They were Josip Širola, Vladimir Zima, Sime Šavar, Vinko Wering and Ivan Zamberlin. It is interesting to note that in 1964 floods in Zagreb, caused the complete destruction of the entire archives and documents of the Society and the journal. At that time the headquarter of the journal had moved to Croatia, since it was recognized as a leader in this area, and remained so until today. Journal publishing become regular where first articles began to publish some of later prominent experts, including Ivo Legiša, later longtime editor-in-chief of the journal as well as other GOMA publications.

From the beginning, the journal promotes and highlights the practical issues apart from scientific ones and aims to ensure high technical and scientific level as well as current themes. That can be recognized by having insight into the titles of early works, where particular issues with some refreshment are interesting even today: M. Đorđević, *Multi-fuel engine*, 1 (1959) 79, D. Krpan, *Influence of ageing on the*

properties of some motor oil, 2 (1961) 3, S. Thompson, *Some problems concerning the application of aircraft fuel and lubricants*, 2 (1961) 19, R. Leonard, *Cooperation in scientific research - a precondition for the technical development of the petroleum refinery and automotive industries*, 2 (1961) 149; M. Zambeli, *Experience with road tests of fuels and lubricants*, 3 (1963) 12; E. Dyhrenfurth, *Recent development of additives for motor oil*, 3 (1963) 127; *Engine oils with extended lifetime*, 4 (1964/65) 30, and so further. In short, in these fifty years there is a treasure of papers and results in the areas of improvement and enhancement of composition, properties and applications of mineral, synthetic, mixed and renewable fuels and lubricants, processing technology of oil and other raw materials, mechanism of action, application and development of additives, formulating engineering, test methods, standardization, new and improved driving systems - the internal combustion engines, electrochemical engines (fuel cells), hybrid systems, and environmental protection in all areas of production and application of fuels and lubricants.

Nowadays the *Fuels and Lubricants* is journal for tribology, lubrication, processing and application of liquid and gaseous fuels as well as combustion engineering. It publishes scientific and professional papers, technical and other contributions that are of interest mainly in the engineering sciences, chemical engineering and mechanical engineering. Scientific papers are published both in Croatian and English, and papers are reviewed by at least two reviewers. Since 2000 full-text articles are available on the journal website (<http://hrcak.srce.hr>) and the GOMA (www.goma.hr), where published works may be used for personal or educational purposes while respecting authors' as well as publishers rights. It is published quarterly, and each issue is printed in 450 copies. In 2010 twelve papers by authors from Croatia, Bosnia and Herzegovina, Slovenia, Germany, Great Britain, Japan and the USA were published. Also, 2010 filed an application for indexing journals in the database Scopus, EnCompassLIT and Compendex (Elsevier).

Since the hard time of war and society transition are mainly behind us, in spite of a small number of experts in comparison with the recent period and bearing in mind the current rapid development of technology in this area and the changes that are taking place and put the ever-increasing challenges in front of the engineers, it is expected that the need for the journal *Fuels and Lubricants* will continue to be recognized. Hopefully, the journal and the Croatian society for fuels and lubricants will manage to provide and improve the cooperation and support of subscribers and economy in the field of fuel and lubricants. I would like to point out particularly the INA Oil Industry as a constant supporter related to the finance, but even more regarding professional ongoing cooperation of its employees. As remembering note, you can find a few promotional messages from the "history". In order to further ensure and strengthen the necessary support and cooperation, the editorial board will strive to maintain and improve the quality of scientific and technical papers, together with actuality and appealingness.

Ante Jukić, Editor-in-Chief