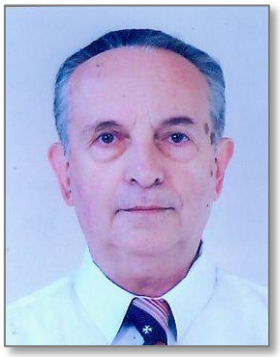
## *ANNIVERSARY*

**Academician Alexander Nikolaev Sadovski,**
**85 years old**



Alexander Sadovski was born in Sofia on May 14, 1937. Received secondary education in the town of Lukovit, 1955. Graduated from higher education, Master's degree in Mathematics at Sofia University "St. Kliment Ohridski", 1962. He began his scientific activity in the Department of Astronomy at the Bulgarian Academy of Sciences, 1966. In 1971, he joined the N. Poushkarov Institute of Soil Science as a Research Associate First degree. He received the scientific degrees and titles of Doctor of Mathematics, 1976; Associate Professor (Senior Research Associate 2nd degree), 1978; Doctor of Agricultural Sciences, 1986; Professor (Senior Research Associate 1st degree), 1989.

In 1994, he was awarded the title of Academician (Full Member) of the International Eurasian Academy of Sciences (IEAS/EUROPE) and was elected President of the Bulgarian Science Center of IEAS, 1996. He is a Full Member of the New York Academy of Sciences, 1997.

Sadovski specializes in Computing and Mathematics at the Polish Academy of Sciences, Warsaw; Business Administration in the GDR, Berlin; Statistics at the Statistical Department of the Rothamsted Experiment Station, England and Computer Technology in Agriculture at the Salzburg Seminar, Austria. Completed courses in: Financial engineering and Risk management at Columbia University, USA; Statistics and Public Health at Johns Hopkins University, USA; Epidemiology at the University of North Carolina – Chapel Hill, USA; Fundamentals of Clinical Trials at Harvard University, USA; Planning and interpretation of Clinical Trials at Johns Hopkins University, USA; Constitutional Law at Yale University, USA.

The scientific and applied activity of Alexander Sadovski at the Institute of Soil Science "N. Poushkarov" during the period 1971-1987 was carried out during the time of the eminent scientists and heads of the Institute, Prof. Ivan Garbouchev and Assoc. Prof. Lyuben Glogov, holding the positions of Head of Department and Head of the Division "Mathematical Modeling, Software provision and Information-Computing center". His readiness for cooperation and joint scientific activity with them and other scientists from the Institute, such as professors Yordan Shanin, Miroslav Benevski and a number of others, are proof of his scientific ethics and preparation. He is one of the main members of the team of scientists who participated

in the development and implementation of the Automated System for Soil-Agrochemical servicing of Agriculture. The functioning of this system is carried out with the designed Semi-automatic line for mass agrochemical analyzes PALMA. In 1980, the System was implemented on 71,404 fields with a total area of 70,210,738 decares. It was awarded by the State Committee for Science and Technical Progress. He developed with Prof. Georgi Krafti and Prof. Iliya Christov the first computer system for irrigation forecasting and management. Sadovski creates the theoretical and experimental foundations of a new intermediate scientific field - Mathematical Agronomy as a branch of General Agriculture. The development received a positive international evaluation from Academician Ivan Shatilov, Prof. Ratmir Poluektov, Prof. John Gower and Prof. Donald Nielsen.

From 1987 to 1992 he was Deputy Director General of the Environmental Research and Information Center at the Ministry of the Environment; in the period 1992 - 2000 he was Actuary, Chief Actuary and Director at Health Insurance and Assurance AD "Zakrila". From 1995 to 2000, he was a Professor at the "St. Kliment Ohridski" University and introduced for the first time in Bulgaria a course on the discipline of Geographical Information Systems. During the period 2001 - 2008, he was an Invited Professor at universities in the USA and a Scientific Consultant for the Health Assurance Company "Blue Cross", Pennsylvania – USA.

From 2011 to 2013, Sadovski was a high-ranking representative of the academic community as a Member of the Insurance and Reinsurance Sector Group (IRSG) of the European Insurance and Occupational Pensions Supervisory Authority (EIOPA) of the European Parliament and the Council of the European Union. In 2014, he was elected as a Member of the Steering Committee of the Health Section of the International Actuarial Association. He continues to actively participate in scientific projects of the Institute of Soil Science, Agrotechnology and Plant Protection "N. Poushkarov" and passes on his experience to the young researches.

His scientific activity and practical experience are in the field of Applied Mathematics and Statistics, Agriculture and Biology, Environmental Protection, Geographical Information Systems, Non-Conventional Energy Sources, Health Assurance and Insurance. He developed a new method for self-organization of mathematical models and participated in the development of the first Bulgarian voluntary Health Assurance system. Conducts research on the potential of non-traditional energy sources in Bulgaria - solar radiation, wind energy, mineral waters and hydrogen.

Sadovski is a scientist with over 250 scientific and applied scientific publications, reports, technological projects, insurance and health assurance products, popular articles, books and an invention patent. He has participated in numerous national and international scientific congresses, conferences, seminars and sessions. He was the supervisor and reviewer of master's and doctoral theses; Lecturer at the Institute for Advanced Studies, Caracas, Venezuela; member of expert groups in Bulgaria, USSR, Austria and Greece.

He is a member of several Bulgarian and foreign scientific and professional organizations, among which: International Actuarial Association, American Statistical

Association, Society for Ecological Engineering and Environmental Protection, Union of Automation and Informatics, Bulgarian Statistical Society, Working Group on Soil Information Systems , International Union of Soil Sciences, Bulgarian Society of Soil Science, International Society of Psychometrics, International Committee for Space Research COSPAR. He is a member of the Editorial Board of the journal "Ecological Engineering and Environmental Protection" and "Open access Journal of Environmental & Soil Science", as well as a reviewer of a number of Bulgarian and foreign journals.

Alexander Sadovski was awarded the Order of "St. Cyril and Methodius", 1st degree, Honorary Medal "1300 Years of Bulgaria", Honorary Medal of the Bulgarian Soil Science Society, Honorary Medal of the Union of Mathematicians in Bulgaria, Golden Badge "Excellent of the Committee for Environmental Protection" and has been nominated as an "Eminent Person of the 21st Century" by the International Biographical Center, Cambridge, England.

/Note: In the National Library "St. Cyril and Methodius", the Central Agricultural Library, the library of the Institute "N. Poushkarov" in Sofia and the library of the Agrarian University in Plovdiv the monographs of Academician Sadovski are deposited:

1. Садовски А. Въведение в Математическата Агрономия: Теоретични и Експериментални основи. GlobeEdit, 2018. ISBN 978-613-8-23895-9, 302 стр.
2. Sadovski A. An Introduction to Mathematical Agronomy: Theoretical and Experimental bases. LAP Lambert Academic Publishing, 2020. ISBN 978-620-2-51889-5, 284 pp.

Happy Anniversary, Acad. Sadovsky!

Prof. Metodi Teoharov
*President of Bulgarian Soil Science Society*