

Efim Alexeevici Muhin – to the 100th anniversary 28.12.1918 – 26.11.1999

This year marks the 100th anniversary from the birth of a remarkable scholar – Efim Alexeevici Muhin, professor, talented organizer of science, Emeritus Scientist, Moldovan State Prize Laureate, personality of great charm. Efim Muhin's name is associated with the implementation of important pharmacological fields, the creation of the scientific school, the foundation of the Scientific Society of Pharmacologists and many other achievements.

Efim Alexeevici Muhin was born on December 28, 1918 in the village of Ciulkovo, Belozersk district, Vologda region, in a family of officials, with old traditions and a great culture. At the guidance and counsel of parents, Efim Muhin successfully passes the admission examinations (1937) to higher medical studies at S. M. Kirov Medical and Military Academy in Leningrad. He studies in this institution for only four years because of the difficult years of the World War II. In September 1941, he was released from the Academy in advance and was enrolled in the army as a military doctor. During the war he worked in various medical positions in the Rifle Division No 177, on the fronts of Leningrad and Volhov. For participation and for his work in the years of the war, Efim Alexeevici Muhin was decorated with: 2 Orders of the Red Star, the Order of the Patriotic War of the 2-nd degree; 9 medals.

In 1947 Efim Muhin graduated with honors from S. M. Kirov Medical and Military Academy, being employed in this institution as a researcher, and subsequently passed through all stages of a scientific-didactic activities at the Pharmacology Department (1948-1951), lecturer (1951-1953), senior lecturer (1953 -1956) and associate professor of Pharmacology Department (1956-1968). The last period of associate professor Efim Alexeevici Muhin includes the two years (1959-1960) as Head of the Pharmacology Department of the Medical and Military Academy. In 1952 E. Muhin defended the thesis of doctor in Medical Sciences on the theme "Pharmacological Characteristics of Dihydroserofizinin" and in 1967 the PhD thesis on the theme "Materials in the the pharmacology of isothioureic derivatives".

In 1968, Efim Alexeevici Muhin is invited by the State Institute of Medicine of Chisinau (SMIC) to be the Head of the Department of Pharmacology. Efim Muhin manifested himself as a highly qualified specialist with a great experience and a high level of organization of the educational-training and scientific activity. In 1970, he was awarded the scientific and didactic title of university professor, and in 1975 he was a scientist emeritus. The remarkable pedagogue Efim Muhin developed 3 manuals for students and trainees, 6 monographs, 4 guides for medicinal preparations and 7 methodological guidelines, published about 180 scientific papers in international and republican magazines, and presented materials in editions in the country and abroad, summaries to international symposiums and congresses. Among the most valuable are: "Pharmacology" – manual (1st and 2nd edition) for students of the Medical and Military Academy and the students of the Chisinau Institute of Medicine, "Pesticides", "Antibiot-



ics", "Pharmacology and Recipe", "Practicum of pharmacology", "Pharmacology of drugs with predominant action on metabolism and antimicrobial preparations", "Pharmacotherapeutic guide for the sector therapist", etc. Based on a set of didactic works, edited with his disciple, corresponding member of the Academy of Sciences of the Republic of Moldova, Professor Victor Ghicavii, and other colleagues from Chisinau and St. Petersburg (associate professor Tamara Pariiskaia), Efim Muhin became, in 1996, the laureate of State Prize of the Republic of Moldova.

Efim Alexeevici Muhin sets up a new scientific direction – **experimental hyperbaric pharmacology**, which studied problems of drug interaction with hyperbaric oxygen, prophylaxis problems in oxygen poisoning. The research in this field is finalized with the defense of 8 doctoral theses in medical sciences

and 2 theses of PhD in medical sciences and the editing of the monographs: "Notes of the hyperbaric pharmacology", "Hyperbaric pharmacology", "High-pressure oxygen and hormones". Another direction of scientific research is dedicated to the pharmacology of the cardiovascular system and, in particular, to the antihypertensive remedies, which has resulted in 3 theses of Doctor of Medical Sciences and 2 PhD theses, with the editing of the monographs "Antihypertensive", "Pharmacology of antihypertensive remedies", "Pharmacology of amidin compounds" and with the development of a new antihypertensive drug – Izoturon.

Efim Muhin is the founder and first president of the Scientific Society of Pharmacologists of the Republic of Moldova; he was a member of the Scientific Society of Pharmacologists of the USSR.

Professor Efim Alexeevici Muhin worked with dedication in education and studies, being the dean of the Faculty of Pharmacy (1970) and General Medicine (1970-1986) of the State Institute of Medicine from Chisinau, enjoying an impressive authority among teachers and among students.

Scientific and professional ties and relationships, founded by Professor Efim Muhin, his work style, intellectual spirit, devotion and professionalism remain in the work of his disciples and friends who continue his ideas in the scientific and pedagogical domain. Numerous disciples, colleagues and friends, those who have known Professor Efim Alexeevici Muhin express their sincere conviction that he was the representative of the Old Russian intelligence, who devoted his intellectual knowledge and skills to the prosperity of medical science. The name of Professor Efim Alexeevici Muhin will remain in the memory of all who have known and worked with him – a person of high intelligence, great dignity and kindness, a model of devotion and responsibility.

Veaceslav Gonciar, MD, PhD, Professor
Chairman of Scientific Society of Pharmacologists
Chisinau, the Republic of Moldova