

Congratulations to A. I. Yekimov on awarding the Nobel Prize

Editorial Board of the magazine „Optics and Spectroscopy“ would like to congratulate Alexey Ivanovich Yekimov on awarding him, together with M. Bawendi and L. Brus the Nobel Prize in Chemistry of 2023 „for the discovery and synthesis of quantum dots“!

It was the article by A.I. Yekimov and A.A. Onuschenko (who were staff members of the M.N. Tolstoy laboratory in Vavilov State Optical Institute at that time) as published in 1981, that synthesized and investigated the quantum dots for the first time. And it was this article that became a starting point of rapid and pacing development of nanotechnologies.

Together with Vavilov State Optical Institute, involvement in this discovery is also shared by Department of Physics of Leningrad (now Saint-Petersburg) State University, where A.I. Yekimov had got his physicist degree and made his first steps in science, as well as by Ioffe Physico-Technical Institute of RAS, where the laureate was shaped as a scientist in the laboratory of an associate member of USSR Academy of Sciences E.F. Gross.

In 2006, for the discovery of the nanocrystalline quantum dots and pioneering studies of electron and optical properties thereof, Optical Society of America awarded the R. W. Wood prize to A.I. Yekimov, together with Alexander Lvovitch Efros and Louis Brus. In Russia, in 2013, this discovery was medaled to A.I. Yekimov, A.L. Efros and A.A. Onushchenko as a E.F. Gross medal of D. S. Rozhdestvensky Optical Society.

The Editorial Board of the magazine „Optics and Spectroscopy“ would like to wish Alexey Ivanovitch new outstanding achievements in the science! Next, we provide a short note by Academician of the Russian Academy of Sciences Evgeniy Borisovitch Alexandrov (who is the Chief Editor of the magazine for many years and was an opponent to A.I. Yekimov's PhD thesis) on his scientific contacts with the laureate.