



**VLADIMIR ISAAKOVICH MINKIN'S
70th BIRTHDAY**

Prof. Vladimir Isaakovich Minkin, a prominent Russian scientist, one of the greatest specialists in the region of physical and organic chemistry, Academician of the Russian Academy of Sciences, Doctor of Chemical Sciences, was born on March 4, 1935 in Rostov-on-Don.

Graduate of Rostov State University (1957), in his own scientific career he passed through all stages – from assistant to Director of the Scientific-Research Institute of Physical and Organic Chemistry at Rostov State University (RSU).

Under the leadership of V. I. Minkin the Institute, which had become a recognized center of chemical sciences, became a part of the Department of Chemistry and Sciences of Materials at the Russian Academy of Sciences. In the number of grants from the Russian Fundamental Research Fund and various international grants (Soros, INTAS, CRDF, CNRS) the Scientific-Research Institute of Physical and Organic Chemistry does not lag behind the leading institutes of the Russian Academy of Sciences.

The extremely broad scientific interests of V. I. Minkin include the following: theory of molecular structure; quantum organic chemistry; aromaticity and antiaromaticity; reaction mechanisms; molecular rearrangements; stereodynamics of the coordination compounds of metals (fluxionality, ligand exchange reactions, inversion of configuration at metal center); photochemistry; photochromism (spirocyclic compounds, azomethines and fulgides, metal-chelates); abiotic Solar energy molecular storage systems; nonclassical organic and heteroorganic structures; chemistry of organotellurium compounds (new heterocycles, Te-ylides structural and chemical consequences of intramolecular Te–O,N coordination); hypervalence.

V. I. Minkin is the author of more than 900 scientific papers, 14 monographs, and 40 patents and Inventor's Certificates. He is co-author of a scientific discovery (V. I. Minkin, L. P. Olekhnovich, and Yu. A. Zhdanov, "The acylotropic effect", registered in 1974 under No. 146 16.07).

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At Rostov University V. I. Minkin delivered courses of lectures on quantum chemistry, the theory of molecular structure, molecular dynamics and stereodynamics, and correlation analysis in organic chemistry. He was also an invited professor at Havan and Marseilles Universities and Humboldt University (Berlin) and worked at Queen's University (Canada) and Regensburg, Cornell, and Strathclyde Universities.

The results of his researches have been reported many times at the most prestigious congresses, conferences, and symposia throughout the world. He many times delivered plenary lectures in Europe and America, including papers on heterocyclic compounds and the physical organic chemistry of heterocycles.

V. I. Minkin is a Meritorious Professor at Rostov University (1995), honorary doctor at Marseilles University (1995), member of the D. I. Mendeleev Russian Chemical Society, member of the Royal Chemistry Society of Great Britain, and member of the World Association of Theoretically Oriented Chemists (WATOC).

He is a titular member of the Commission on Physical Organic Chemistry of IUPAC, and in 1991-1998 he was a Chairman of the working group on terminology in theoretical organic chemistry, Chairman of the Regional Council of the RFFI, Vice Chairman of the Presidium of the Southern Scientific Center of the Russian Academy of Sciences, member of a series of scientific councils of the Russian Academy of Sciences and the Ministry of Education of the Russian Federation, and Chairman of the Scientific Council of Rostov State University on the defense of doctoral theses in chemical sciences at Rostov State University. He was scientific supervisor for 15 doctors and more than 60 candidates of sciences.

Academician V. I. Minkin is a member of the editorial boards of 12 international and national journals, including the international journal *Chemistry of Heterocyclic Compounds*.

V. I. Minkin received the award of the Ministry of Higher Education of the USSR for the Excellence in Teaching (1986); he is a winner of the State Prize of the USSR (1989), the Alexander Humboldt Research Award (1999), the A. M. Butlerov (2000) and L. A. Chugaev prize of the Russian Academy of Sciences (2003), and a series of medals of the Russian Academy of Sciences. In 2003-2004 he received the prize of the Fund for Support of National Science named "Outstanding Scientists of the Russian Academy of Sciences." He was awarded two orders of the "Badge of Honor."

The editorial board and the editorial team of *Chemistry of Heterocyclic Compounds* cordially congratulate Vladimir Isaakovich with a wonderful birthday. We sincerely wish him health and happiness and hope that our collaboration will continue for many years.

THE MOST IMPORTANT PUBLICATIONS BY V. I. MINKIN 1999-2004

A full list of monographs, reviews, and papers in the central national and foreign editions amounts to 96 titles.

1. V. I. Minkin, *Intramolecular coordination of the hypervalent type*, *Ros. Khim. Zh.*, **43**, 10-21 (1999).
2. V. I. Minkin, V. N. Komissarov, and V. A. Kharlanov, *Perimidinespirocyclohexadienones, in organic photochromic and thermochromic compounds* (Eds. J. Crano, R. Guglielmetti), Plenum Press, New York (1999), Vol. 1, Ch. 8, pp. 315-340.
3. V. I. Minkin, I. V. Dorogan, and R. M. Minyaev, *Computational modeling of circumambulatory rearrangements*, *J. Phys. Org. Chem.*, **13**, 3-12 (2000).
4. V. I. Minkin, *Molecular electronics at the threshold of the new millennium*, *Ros. Khim. Zh.*, **44**, 3-14 (2000).
5. V. I. Minkin, A. D. Garnovskii, J. Elguero, A. R. Katritzky, and O. V. Denisko, *The tautomerism of heterocycles: five-membered rings with two or more heteroatoms*, *Adv. Heterocycl. Chem.*, **76**, 157-323 (2000).

6. V. I. Minkin and R. M. Minyaev, *Cyclic aromatic compounds with hypervalent centers*, *Chem. Rev.*, **101**, 1247-265 (2001).
7. V. I. Minkin, R. M. Minyaev, and R. Hoffmann, *Nonclassical structures of organic compounds*, *Usp. Khim.*, **71**, 989-1014 (2002).
8. V. I. Minkin, I. E. Mikhailov, G. A. Dushenko, and A. Zhunke, *Circular rearrangements of cyclopolyenes*, *Usp. Khim.*, **72**, 978-1010 (2003).
9. V. I. Minkin, *Photo-, thermo-, solvato- and electrochromic spiroheterocyclic compounds*, *Chem. Rev.*, **104**, 2751-2776 (2004).
10. I. D. Sadekov and V. I. Minkin, *Benzo[b]tellurophene, dibenzo[b,d]tellurophene, and their derivatives*, *Khim. Geterotsikl. Soedin.*, 974 (2004).
11. A. D. Dubonosov, V. A. Bren, and V. I. Minkin, *The photochemical reactivity of the norbornadiene-quadricyclane system*, in: *organic photochemistry and photobiology* (Eds. W. Horspool and F. Lenci), CRC Press, Boca Raton-London-New York (2004), Ch. 17, pp. 1-34.