

ISSN 1070-4280, *Russian Journal of Organic Chemistry*, 2017, Vol. 53, No. 9, pp. 1275–1437. © Pleiades Publishing, Ltd., 2017.

Original Russian Text © I.S. Antipin, M.A. Kazymova, M.A. Kuznetsov, A.V. Vasilyev, M.A. Ishchenko, A.A. Kiryushkin, L.M. Kuznetsova, S.V. Makarenko, V.A. Ostrovskii, M.L. Petrov, O.V. Solod, Yu.G. Trishin, I.P. Yakovlev, V.G. Nenaidenko, E.K. Beloglazkina, I.P. Beletskaya, Yu.A. Ustynyuk, P.A. Solov'ev, I.V. Ivanov, E.V. Malina, N.V. Sivova, V.V. Negrebetskii, Yu.I. Baukov, N.A. Pozharskaya, V.F. Traven', A.E. Shchekotikhin, A.V. Varlamov, T.N. Borisova, Yu.A. Lesina, E.A. Krasnokutskaya, S.I. Rogozhnikov, S.N. Shurov, T.P. Kustova, M.V. Klyuev, O.G. Khelevina, P.A. Stuzhin, A.Yu. Fedorov, A.V. Gushchin, V.A. Dodonov, A.V. Kolobov, V.V. Plakhtinskii, V.Yu. Orlov, A.P. Kriven'ko, O.V. Fedotova, N.V. Pchelintseva, V.N. Charushin, O.N. Chupakhin, Yu.N. Klimochkin, A.Yu. Klimochkina, V.N. Kuryatnikov, Yu.A. Malinovskaya, A.S. Levina, O.E. Zhuravlev, L.I. Voronchikhina, A.S. Fisyuk, A.V. Aksenov, N.A. Aksenov, I.V. Aksenova, 2017, published in *Zhurnal Organicheskoi Khimii*, 2017, Vol. 53, No. 9, pp. 1257–1408.

REVIEW

“Looking back, it is impossible not to be surprised what a huge step made organic chemistry during its existence. However, much more lies ahead.”

A.M. Butlerov

Organic Chemistry. History and Mutual Relations of Universities of Russia

I. S. Antipin^{a,1}, M. A. Kazymova^{a,2}, M. A. Kuznetsov^{b,3}, A. V. Vasilyev^{b,c}, M. A. Ishchenko^d,
A. A. Kiryushkin^d, L. M. Kuznetsova^b, S. V. Makarenko^e, V. A. Ostrovskii^d, M. L. Petrov^d,
O. V. Solod^f, Yu. G. Trishin^g, I. P. Yakovlev^h, V. G. Nenaidenko^{i,4}, E. K. Beloglazkina^{i,4},
I. P. Beletskayaⁱ, Yu. A. Ustynyukⁱ, P. A. Solov'ev^j, I. V. Ivanov^{j,5}, E. V. Malina^j, N. V. Sivova^j,
V. V. Negrebetskii^{k,6}, Yu. I. Baukov^k, N. A. Pozharskaya^l, V. F. Traven'^l, A. E. Shchekotikhin^{l,m,7},
A. V. Varlamov^{n,8}, T. N. Borisovaⁿ, Yu. A. Lesina^{o,9}, E. A. Krasnokutskaya^o, S. I. Rogozhnikov^{p,10},
S. N. Shurov^p, T. P. Kustova^{q,11}, M. V. Klyuev^q, O. G. Khelevina^r, P. A. Stuzhin^{r,12},
A. Yu. Fedorov^s, A. V. Gushchin^{s,13}, V. A. Dodonov^s, A. V. Kolobov^{t,u,14}, V. V. Plakhtinskii^{u,15},
V. Yu. Orlov^{v,16}, A. P. Kriven'ko^{w,17}, O. V. Fedotova^w, N. V. Pchelintseva^w, V. N. Charushin^{x,18},
O. N. Chupakhin^x, Yu. N. Klimochkin^{y,19}, A. Yu. Klimochkina^z, V. N. Kuryatnikov^z,
Yu. A. Malinovskaya^{y,20}, A. S. Levina^{aa}, O. E. Zhuravlev^{aa,21}, L. I. Voronchikhina^{aa},
A. S. Fisyuk^{ab,ac,22}, A. V. Aksenov^{ad,23}, N. A. Aksenov^{ad}, and I. V. Aksenova^{ad}

^a Kazan (Volga Region) Federal University

^b St. Petersburg State University

^c St. Petersburg State Forest Technical University

^d St. Petersburg State Institute of Technology (Technical University)

^e Herzen State Pedagogical University of Russia

^f St. Petersburg University of the Humanities and Social Sciences

^g Higher School of Technology and Energy, St. Petersburg State University of Industrial Technologies and Design

^h St. Petersburg State Chemical Pharmaceutical Academy

ⁱ Faculty of Chemistry, Moscow State University

^j Moscow State University of Fine Chemical Technologies

^k Pirogov Russian National Research Medical University

^l Mendeleev University of Chemical Technology of Russia

^m Gause Institute of New Antibiotics

ⁿ Peoples' Friendship University of Russia

^o Tomsk Polytechnic University

^p Perm State National Research University

^q Ivanovo State University

^r Ivanovo State University of Chemistry and Technology

^s Lobachevskii State National Research University of Nizhny Novgorod