

**PR-12. S_N^H REACTIONS AND RELATED TRANSFORMATIONS
IN ARENES AND HETERARENES: THE MAIN ACHIEVEMENTS
OF THE URAL SCHOOL OF CHEMISTS**

V. N. Charushin, O. N. Chupakhin

I. Ya. Postovsky Institute of Organic Synthesis UB RAS,
S. Kovalevskoy/Akademicheskaya St., 20/22, Yekaterinburg, 620990, Russia

Ural Federal University of the first President of Russia B. N. Yeltsin,
Mira St., 19, Yekaterinburg, 620002, Russia

E-mail: v.n.charushin@urfu.ru

For the first time, reactions of nucleophilic substitution of hydrogen in arenes and heteroarenes (S_N^H) were recognized and selected as a separate class of organic transformations in a review article as well as research articles of I. Ya. Postovsky and O. N. Chupakhin.

Currently, these processes are very well recognized class of reactions, which are served as an efficient synthetic tool for creating various classes of organic molecules, including S_N^H promising biomolecules and fluorophores.