
Aspects of chemical education in the context of the concept of sustainable development

© N.N. Dvulichanskaya, G.N. Fadeev

Bauman Moscow State Technical University, Moscow, 105005, Russia

The article explains the necessity of the ideas of “green chemistry” for the chemistry course both in a general and in professional educational institutions. It analyzes the modern state of the problem including Russian education. As a methodological basis of teaching “green chemistry” we propose a system-axiological approach which contributes to a chemical-environmental competence of students.

Keywords: *concept of sustainable development, “green” chemistry, system-axiological approach, chemical-ecological competence.*

Dvulichanskaya N.N., Dr. Sci. (Pedagogy), Ph.D. (Chem.) Assoc. Professor of the Chemistry Department of Bauman Moscow State Technical University. Author of more than 130 scientific and methodical works, including more than 90 papers in the field of theory and methodology of professional education, technique of training to natural sciences. e-mail: nnikdv@gmail.com

Fadeev G.N., Dr. Sci. (Pedagogy), Ph.D. (Chem.), Professor of the Chemistry Department of Bauman Moscow State Technical University. Author of more than 160 scientific and methodical works in the techniques of teaching in chemistry. e-mail: gerfad@mail.ru
