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Selective catalytic reduction of aromatic nitro compounds and hydrocarbons: Monograph / Y.A. Aubakirov, L.R. Sassykova.- Almaty: Qazaq university, 2018.

In the monograph questions of reduction of aromatic nitro compounds and hydrocarbons for producing valuable intermediate and final products are considered. Catalytic hydrogenation at atmospheric and elevated hydrogen pressures is described in detail. The literature and patent data as well as the results of own studies of the authors are presented. A comparative analysis of the mechanisms of hydrogenation of aromatic nitro compounds and hydrocarbons of various authors is given. For the convenience of the reader the monograph contains a detailed glossary and necessary illustrative material.

The monograph is intended for researchers working in the field catalysis, fine organic synthesis, chemical technology of organic substances, oil refining and petrochemistry; bachelors, masters and doctoral students studying in the specialties “Chemistry”, “Petrochemistry”, “Chemical Technology of Organic Substances”, students, undergraduates and doctoral students, when studying disciplines “Technology of processing natural and oil associated gas”, “Technology of oil, gas and coal”, “Modern aspects of petrochemistry”, “Technologies for processing natural, oil associated and technological gases”, “Modern technologies of oil, gas and coal”, “Syntheses based on liquid and solid hydrocarbons of oil origin”, “Chemistry and physics of oil, gas and coal” “Structure of matter”, “Theory and technology of catalytic petrochemical productions”.