Zh.Kh. Tashmukhambetova, Y.A. Aubakirov, L.R. Sassykova. **Fundamentals of the theory of catalytic petrochemical productions**. Educational manual. –Almaty, 2018, 174p.

ISBN 978-601-04-3713-5. Almaty, Qazaq University

The manual is intended for students specializing in the chemical technology of organic substances. It contains questions of theory and practice of processing of oil and oil raw materials, requirements for raw materials and catalysts of secondary processes of oil processing: hydrocracking, reforming, hydrotreating, alkylation, isomerization, dehydrogenation. Particular attention is paid to the study of the properties of catalysts and processes occurring at the interface between the phases - the reacting substance-catalyst, on the basis of existing theoretical approaches of representatives of different scientific schools.