

AL-FARABI KAZAKH NATIONAL UNIVERSITY

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DESIGNING OF OIL
REFINING AND
PETROCHEMICAL ENTERPRISES

Educational manual

Almaty
«Qazaq University»
2021

UDC 661.1

LBC 35.11

S 23

Recommended for publication by the decision of the Academic Council of the Faculty of Chemistry and Chemical Technology, RISO of the al-Farabi Kazakh National University (Protocol No. 3 dated 12.03.2021);

Educational-methodical section of chemical-technological specialties and specialties of professional education, arts and services of Republican Educational Methodical Council (REMC) of higher and postgraduate education of MES RK at M. Auezov SKSU (Protocol No. 5 dated 25.12.2020)

The textbook was released at the expense of the grant "The best teacher of the University-2019"

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S 23 Designing of oil refining and petrochemical enterprises: educational manual / L.R. Sassykova, Y.A. Aubakirov. – Almaty: Qazaq University, 2021. – 192 p.

ISBN 978-601-04-5257-2

The proposed manual describes the basics of designing refineries and petrochemical plants. The manual has been compiled in accordance with the curriculum of the course "Designing of oil refining and petrochemical enterprises". The manual discusses the basic principles and stages of architectural and technological design of chemical plants; development of the technological scheme; calculations of material and heat balances; description and selection of standard equipment. The educational manual contains questions for self-checking to each chapter and necessary illustrative material.

It is intended for students, masters, bachelors and doctoral students of the English department, studying in the specialties "Chemistry", "Petrochemistry", "Chemical Technology of Organic Substances", "Chemical Technology of Inorganic Substances", and can be useful for the specialists in the field of oil refining and petrochemistry, catalysis, oil and gas business, chemical technology of organic and inorganic substances.

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LBC 35.11

ISBN 978-601-04-5257-2

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Educational issue

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**DESIGNING OF OIL REFINING AND
PETROCHEMICAL ENTERPRISES**

Educational manual

Editor: *L.E. Strautman*
Typesetting: *N.M. Bazarbayeva*
Cover design: *B. Malaeva*

Cover design used photos from sites
www.freepik.com

IB №14372

Signed for publishing 18.03.2021. Format 60x84 ¹/₁₆. Offset paper.
Digital printing. Volume 12 printer's sheet. 300 copies. Order №3203.
Publishing house «Qazaq University»
Al-Farabi Kazakh National University KazNU, 71 Al-Farabi, 050040, Almaty

Printed in the printing office of the «Qazaq University» publishing house.



9 786010 452572