

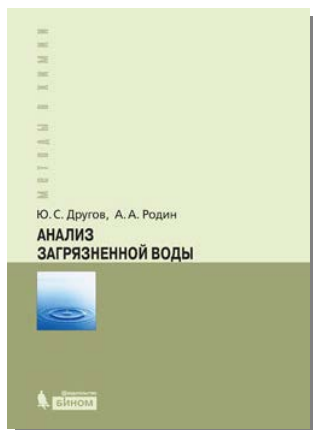


CATALOGUE

ECOLOGY 2014

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ANALYSIS OF CONTAMINATED WATER: PRACTICAL GUIDE

Ju. S. Drugov, A. A. Rodin

ISBN 978-5-94774-762-1

678 pp., hardcover

165 x 235 mm

2012

The practical guide is devoted to the most important issue of environmental analytical chemistry. The authors of the guide describe the methodology of priority pollutants determination in natural and waste waters, which is based on using a combination of effective sample preparation methods and descriptive methods of analysis. The described methodology allows to identify and quantify the target

compounds. A reader would find the official (standard) domestic and foreign (EU, USA) techniques of toxic organic and organometallic compounds and heavy metals detection.

The book is intended for professionals in the field of analytical chemistry, specialists of environmental laboratories, medical and chemical universities students.



THE ANALYSIS OF THE POLLUTED SOIL AND DANGEROUS WASTE: PRACTICAL GUIDANCE, 2nd ED.

Ju. S. Drugov, A. A. Rodin

ISBN 978-5-9963-0372-4

469 pp., hardcover

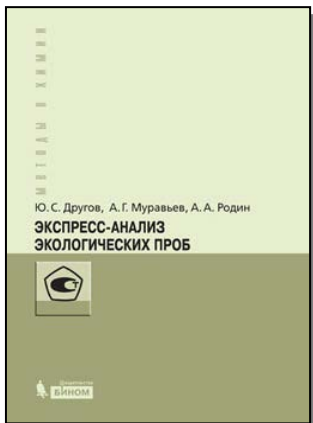
165 x 235 mm

2011

The book describes methods of the chemical analysis of pollution of soil and ground adjournment by household and industrial wastes. A reader would find traditional and new methods of testpreparing of soil and a waste samples, and also methods of substances polluting soil analysis and reliable receptions of target

connections identifications in complex matrixes. Standard techniques of priority soil pollution definitions (organic and metalloorganic compounds, metals), used in Russia and abroad, are given.

The book is intended for professionals in the field of ecological analytical chemistry, and also for experts dealing with preservation of the environment, students and post-graduate students.



EXPRESS ANALYSIS OF ECOLOGICAL TESTS: PRACTICAL GUIDANCE

J. S. Drugov, A. G. Muravev, A. A. Rodin

ISBN 978-5-9963-0200-0

424 pp., hardcover

165 x 235 mm

2010

The following aspects are described in the practical guidance: constructional features of various devices applied while carrying out of express analyses in field conditions, including emergency and other extreme situations. Methods of work with display tubes and their complexes with other gas analyzers are considered in detail. A reader would find techniques of the most important gases definition. The

book introduces test methods and instrument equipment when analyzing various environment objects. The methods of water quality indicators' estimation are outlined.

Jury S. Drugov Doctor of Chemistry, member-correspondent of Petrovsky Sciences and Arts Academy, member of the Analytical Chemistry Scientific Council (the Russian Academy of Sciences), a member of the Adsorption and Chromatography Scientific Council (the Russian Academy of Sciences).



INDUSTRIAL ECOLOGY: TRAINING MANUAL

V. A. Zaitsev

ISBN 978-5-9963-0812-5

382 pp., hardcover

165 x 235 mm

2012

The author describes definitions and basic principles of industrial ecology, waste-free (clean) production, methods of its organization and development. Special attention is given to the harmonious usage of air and water, recycling, disposal of household and dangerous waste, organization of waste-free production systems

and eco-industrial parks. The ecological problems of building materials production, coke, and petrochemical industry, ferrous and nonferrous metallurgy, and energy are examined. The book is intended for university students studying environmental subjects.



MONITORING OF ENVIRONMENTAL ORGANIC POLLUTIONS.

500 TECHNIQUES: PRACTICAL GUIDANCE, 2nd ED.

J. S. Drugov, A. A. Rodin

ISBN 978-5-94774-761-4

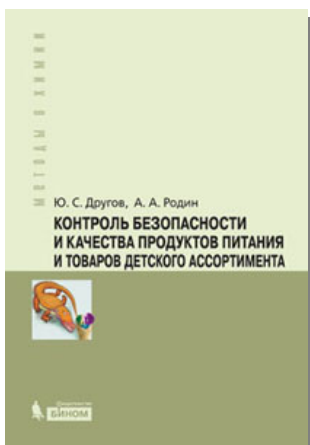
893 pp.

165 x 235 mm, hardcover

2009

The practical guidance presents more than 500 analytical techniques of environmental priority organic pollutions determination (drinking, potable and natural water, sewage, soils, ground adjournment, household and dangerous industrial wastes, atmospheric and working zone air, industrial emissions).. The techniques reflect the lists of Russian, American and European official acts.

The guidance is intended for the employees of analytical laboratories of any level occupied with the routine analysis of various objects, including arbitral analysis.



MONITORING OF SAFETY AND QUALITY OF FOOD AND GOODS FOR CHILDREN: PRACTICAL GUIDE

Yu. S. Drugov, A. A. Rodin

ISBN 978-5-9963-0371-7

440 pp., hardcover

165 x 235 mm

2012

The practical guide explains how to use the main analytical techniques (chromatography, spectroscopy and electrochemistry) to determine the trace amounts of harmful substances in food, drinking water, milk, juices and beverages, as well as aqueous and gas extracts from toys and child care items.

The authors discuss new technologies of analytical procedures (sample cutting, sample preparation and identification of priority pollutants), capabilities of modern analytical equipment and licensed techniques of the health-chemical analysis improvement. A reader would find the description of optimal schemes of baby food and baby products analysis, as well as the ways of harmful substances in the air of children care institutions.

The guide is intended for experts in the field of environmental and health monitoring, the food industry laboratories staff and health care professionals (hygienists, clinicians, toxicologists), as well as for students of chemical, environmental, biological and medical schools.



**SAMPLE PREPARATION IN THE ECOLOGICAL ANALYSIS:
PRACTICAL GUIDANCE, 3rd ED.**

J. S. Drugov, A. A. Rodin

ISBN 978-5-94774-764-5

855 pp.

165 x 235 mm, hardcover

2009

The purpose of this practical guidance is to describe in detail the sample preparation methods in practical ecological analytics for evaluation of polluting substances in air, water, soil, bioenvironments and food. Special attention is given to the newest methods of extraction from matrixes. Many standard techniques are

presented.

The guidance would be helpful for chemists conducting ecological analyses, graduate and post-graduate students of chemical higher schools and educational institutions of ecological profile.



SUSTAINABLE DEVELOPMENT: THE MAN AND THE BIOSPHERE

G. A. Yagodin, E. E. Purtova

ISBN 978-5-9963-1141-5

109 pp., hardcover

145 x 215 mm

2013

The book covers the history of the Earth and the development of life on it. The authors describe in detail the issues of energy security of life, the structure of the biosphere, the laws of existence. The main part of the manual is devoted to the consideration of the conflict between the people and the biosphere, particularly exacerbated recently, and the ways out of it, which lies in moving society towards sustainable development.

The book is intended for students of higher school studying in the field of ecology and nature.

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