

## Table of Contents

South Russia Steppe Forests: Features and Problems <i>Maria Kryzhevich (Martynova)</i>	1
Arctic Sea Ice Reduction and Tropospheric Chemical Processes <i>Son V. Nghiem, Paul B. Shepson, William Simpson, Donald K. Perovich, Matthew Sturm, Thomas Douglas, Iggnatius G. Rigor, Pablo Clemente-Colon, John P. Burrows, Andreas Richter, Alexandra Steffen, Ralf Staebler, Daniel Obrist, Christopher Moore, Jan Bottenheim, Ulrich Platt, Denis Pohler, Stephan General, Johannes Zielcke, Jose D. Fuentes, Dorothy K. Hall, Lars Kaleschke, John Woods, Carl Hager, Joe Smith, Charles R. Sweet, Kerri Pratt, Kyle Custard, Peter Peterson, Steve Walsh, Erin Gleason, Eyal Saitet, Melinda Webster, Ross Lieb-Lappen, Christopher Linder, and Gregory Neumann</i>	4
Specific Fatty Acid Status in the White Sea Herring From Different Bays of the White Sea in Regard to Ecological Factors: Role of Fatty Acids in Ecological and Biochemical Adaptations of Fishes in Sub-Arctic <i>Svetlana Alexandrovna Murzina, Zinaida Anatol'evna Nefedova, Nina Nikolaevna Nemova, Pauli Onnievich Ripatti, and Svetlana Nikolaevna Pekkoeva</i>	9
Monitoring of Residential Air Quality by Formaldehyde Biochemical Gas Sensor for Indoor Public Health <i>Toshifumi Yamashita, Kumiko Miyajima, Tomoko Gessei, Takahiro Arakawa, Hiroyuki Kudo, and Kohji Mitsubayashi</i>	13
Steam Gasification of Coffee Husk in Bubbling Fluidized Bed Gasifier <i>Kore Sileshi, Mayerhofer Matthias, Assefa Abebayehu, and Hartmut Spliethoff</i>	17
Green Growth and Sustainable Development. Monitoring Progress towards the Environmental Millennium Development Goals <i>Ana Jesus Lopez-Menendez and Rigoberto Perez</i>	21
Torrefied Pellets as Fuel for Two-Stage Technology of Biomass Conversion Into Synthesis Gas <i>Victor Zaichenko, Valentin Kosov, Julia Kuzmina, and Vladimir Lavrenov</i>	25
Influence of Torrefaction on the Fuel Characteristics of Different Biomass Materials <i>Vladimir F. Kosov, Vladimir A. Sinelshchikov, George A. Sytchev, and Victor M. Zaichenko</i>	29
The Theoretical Research of Torrefaction Process in a Flow Reactor <i>Valentin Kosov, Igor Maikov, Natalya Medvetskaya, and Oleg Stonyk</i>	33