

## CONTENT

Title of paper ( <i>authors</i> )	Pages
FOREWORD ( <i>editors</i> )	4
Changes in soil carbon stocks due to large-scale croplands abandonment in the Russian Federation ( <i>Kurganova I., Lopes de Gerenyu V.</i> )	5-8
Impact of conservation farming on soil carbon pools and microbial activity ( <i>Lopes de Gerenyu V., Kurganova I., Khoroshaev D., Ustak S.</i> )	9-14
Quantity and quality of soil organic matter in long-term field experiments in Prague ( <i>Šimon T.</i> )	15-21
Transformation of soil organic matter and carbon dioxide fluxes in different tillage and organic manure systems ( <i>Mühlbachová, G., Muňoz J., Usták S.</i> )	22-30
Development of nutrient distribution in soil and winter wheat yield and nutrient uptake during long-term use of different soil tillage practices ( <i>Kusá H., Růžek P., Mühlbachová G., Vavera R.</i> )	31-40
The cultivation of non-traditional energy plants and their influence on soil ( <i>Muňoz J., Usták S.</i> )	41-51
Environmental analysis of energy crops for combustion purposes ( <i>Stražil Z.</i> )	52-57
Soil conservation and minimization technologies of soil treatment in a period of extreme weather events ( <i>Vach M., Ustak S., Honzik R.</i> )	58-68
Effect of organic and mineral fertilization on soil carbon dioxide emissions at long-term international field trial ( <i>Káš M., Muňoz J., Usták S.</i> )	69-73
Effect of long-term application of farmyard manure and NPK on winter wheat grain and straw yields ( <i>Hliseníkovský L., Kunzová E.</i> )	74-80