

## CONTENT

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