GENERAL INFORMATION

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Scientific committee
Petr Baldrian (Czech Republic)
Lynne Boddy (United Kingdom)
Dana Elhottová (Czech Republic)
Jan Dirk van Elsas (The Netherlands)
Martin Hofrichter (Germany)
Heribert Insam (Austria)
Paolo Nannipieri (Italy)
Michael Schloter (Germany)

Keynote lectures
Christa Schleper (Austria): „Ammonia oxidizing archaea in soils: New discovery of an old group”
Jan Dirk van Elsas (The Netherlands): „Soil fungi provide hospitable niches for soil bacteria - mechanisms and concepts”

Invited speakers
Erland Baath (Sweden), Petr Baldrian (Czech Republic), Lynne Boddy (United Kingdom), Tomas Cajthaml (Czech Republic), Dana Elhottová (Czech Republic), Martin Hofrichter (Germany), Heribert Insam (Austria), Matthias Kästner (Germany), George Kowalchuk (The Netherlands), Bjorn Lindahl (Sweden), Paolo Nannipieri (Italy), Laurent Philippot (France), James I. Prosser (United Kingdom), Kathrin Riedel (Germany), Giancarlo Renella (Italy), Michael Schloter (Germany), Heike Schmitt (The Netherlands), Marc-André Selosse (France), Angela Sessitsch (Austria), Kornelia Smalla (Germany), Soren Sorensen (Denmark), Christoph Tebbe (Germany), Tim Urich (Austria), Hakan Wallander (Sweden), Matt Wallenstein (USA), Elizabeth Wellington (United Kingdom), Donald Zak (USA), Martin Zobel (Estonia)

Conference organisation
Centre of Environmental Microbiology
Praha & České Budějovice
Microbial biomass carbon and organic carbon content in soil aggregates from different soil types

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The main objective of this study was to determine changes in microbial biomass C (Cmic) and organic C (Corg) in soil aggregates taken from surface soils (0-20 cm depth). This study was carried out in Samsun-Bafra delta plain and near district. The Bafra Plain found in the Kizihmak Delta and located in the central Black Sea region of Turkey. The study area is mainly flat, slightly sloped (0.0-2.0%). The majority of soils on alluvial lands were classified as Typic Ustifluvent and Typic Haplustep in Soil Taxonomy. For each surface soil samples, soil aggregates were separated into eight aggregate size classes using a dry sieving method and then Cmic and organic C (Corg) content were analysed. The contents of macroaggregates (especially >6300 µm and 2000–4750 µm) in all soil samples were higher than microaggregate contents. The Corg content varies between 0.41-0.91%. Generally, Cmic content was found higher level in microaggregates <250 µm and in macroaggregates of 250-425 µm than that of other aggregate size classes. In addition it was found that Corg:Cmic ratios were higher in macroaggregates than microaggregate size. Consequently, macroaggregates had relatively more Corg than the microaggregates, even if the absolute values of Cmic were the lower.