

# 19<sup>th</sup>

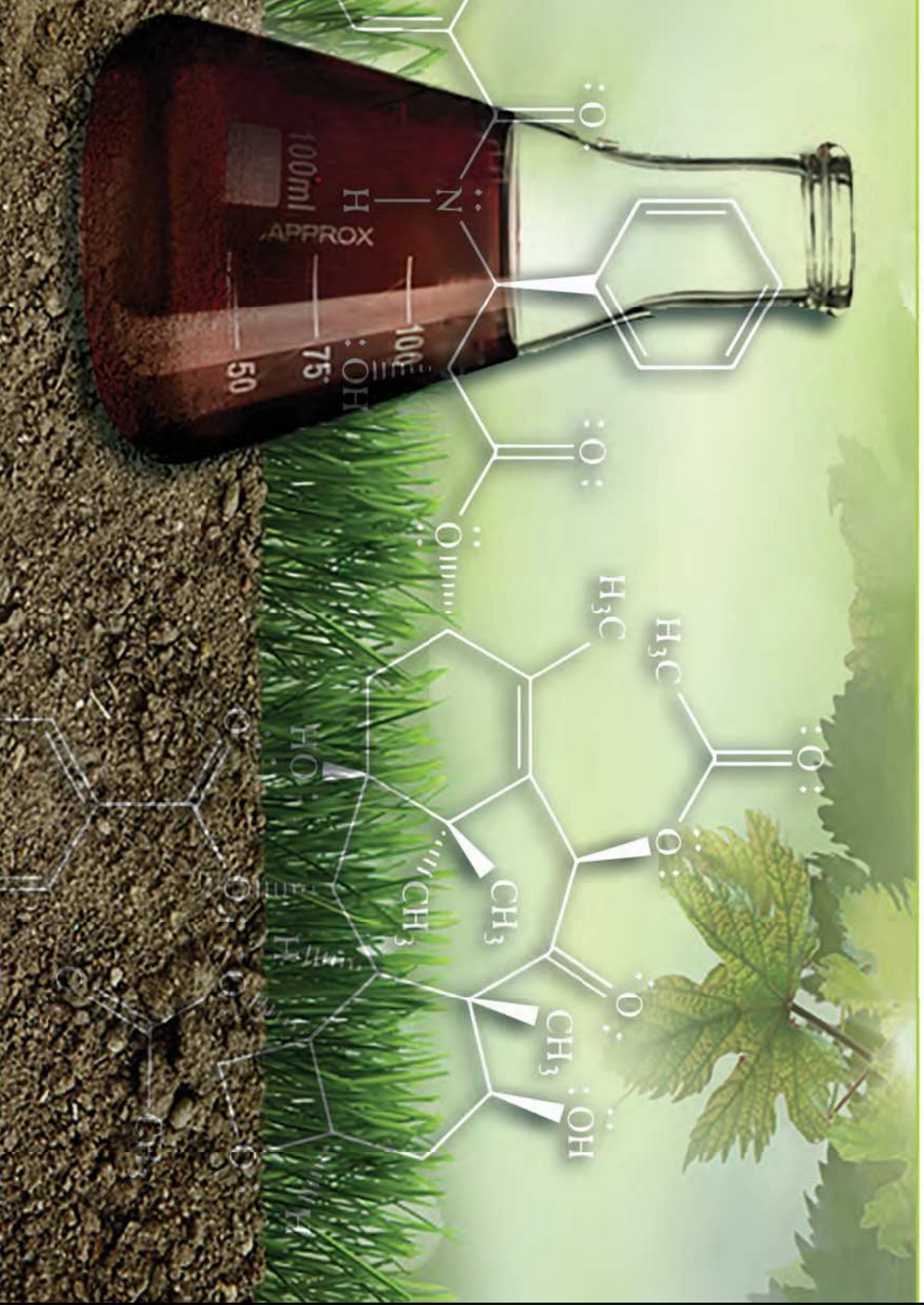
## INTERNATIONAL CONFERENCE OF

# INTERNATIONAL HUMIC SUBSTANCES SOCIETY

Humic Substances and  
Their Contribution to the  
Climate Change Mitigation



**16-21**  
September  
**2018**  
Albena Resort  
**Bulgaria**



# BOOK OF ABSTRACTS

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**19<sup>th</sup> International Conference**

**of**

**Humic Substances and  
their Contribution  
to the Climate Change Mitigation**

16–21 September 2018

Albena Resort, Bulgaria

Bulgarian Humic Substances Society  
Sofia, 2018





NATURAL  
ORGANIC  
MATTER  
RESEARCH



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*Dear participants, friends and explorers of humic substances, guests,*

On behalf of the Bulgarian Humic Substances Society and the Organizing Committee it is my pleasure to welcome all participants in the 19th IHSS conference. I cordially thank our sponsors and supporters without whom this conference would not be organized in this attractive and memorable way.

This conference will again draw attention of the world scientific community on humic substances and their immense significance for life of the Earth. Today, in the time of climate change, we will also focus our attention on their role in mitigating the negative consequences of human activity. All of us know of the indisputable evidence of phenomena (cataclysms) that have never been observed in the Earth's history, such as the rise in the temperature of the earth and the oceans, the rapid melting of the ice and the subsequent increase in the level of the water basins, their acidification and the extreme climatic storms that affecting all ecosystems and fresh water supplies. Despite a growing number of climate change mitigation policies, annual GHG emissions grew on average by 1.0 gigatonne carbon dioxide equivalent (GtCO<sub>2</sub>eq) (2.2%) per year from 2000 to 2010 compared to 0.4 GtCO<sub>2</sub>eq (1.3%) per year from 1970 to 2000. Agriculture, Forestry and Other Land Use systems emit for about a quarter (~10–12 GtCO<sub>2</sub>eq/yr) of net anthropogenic GHG emissions mainly from deforestation, nitrogen management and livestock (Intergovernmental Panel on Climate Change, 2017).

In the coming days, we will hear many new facts about humic substances and their modern role in preserving life on Earth, and we will be convinced of the ability of science to solve global problems.

I hope this conference to allow the participant to share ideas and experience, to facilitate establishment of new teams for investigation of humic substances and the application of new knowledge in practice.

I wish you a successful work and a pleasant stay in Bulgaria.

Presidents of the Organizing Committee and the Bulgarian Humic Substances Society

*Prof. Dr. Ekaterina Filcheva*

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