



# NEWSLETTER

## INTERNATIONAL HUMIC SUBSTANCES SOCIETY

Number 45

Summer 2011

Dear Colleagues,

The IHSS board members met for the annual board meeting last June in Oslo. Also it was possible to participate in the 13<sup>th</sup> Nordic-Baltic Chapter Meeting, held in Oscarsborg, near Oslo, from 19<sup>th</sup> to 22<sup>th</sup> June, 2011. Please see that we are talking about the 13<sup>th</sup> Meeting of a regional chapter, realized bi-annually and that this is the longest series of IHSS chapter meetings. In the end of May, 2011, the Polish Chapter organized its 9<sup>th</sup> Meeting with the participation of several current and former leaders of IHSS. Later in 2011, meetings in Bulgaria, Brazil and Italy, and 2012 in Russia, are scheduled, organized by the local IHSS chapters. These are very good examples of the effort and the capacity of some local chapters have to maintain active their agenda. In all these meetings the IHSS board was solicited and approved financial support for the participation of international invited speakers.

With this information I would like to emphasize the importance of chapter activities and motivation. Also in our board meeting we discussed other possibilities to expand IHSS, including creation of Scientific Committees. Three of them were initially approved by the Board, we will start soon organization of the committees. This was just one of some decisions made, others were: advancement in implementation of strategic planning for IHSS, annual budget planning, changes in IHSS website in line with current tools, new logo for IHSS, designation of the Nomination Committee for the upcoming elections in 2012, update in sample collection agenda, soliciting additional participation of older members, creation of new chapters, and consolidation of on-line fees payments.

Soon we will have the 2012 elections to Vice President, Secretary, and Board Member. Please maintain your membership with IHSS so it will be possible to participate in the election. You can both pay membership fees and vote online.

Eight young scientists (postdoctoral researchers) or graduation students were granted IHSS Training Awards in the beginning of 2011 with for 3 months of work in foreign laboratories, another important investment of IHSS in our future members and leaders.

Finally and very important is the organization of the upcoming 16<sup>th</sup> IHSS International Meeting in Hangzhou, China, in September 9<sup>th</sup> to 14<sup>th</sup>, 2012. The website of the meeting is already available and Prof. Jianming Xu (Chairman) and his colleagues are working intensively. Please consider and

plan your participation in China, in a very relevant and well organized scientific meeting that will include a special session in celebration of the 30 years of IHSS.

All efforts are being focused on maintaining and strengthening our Society as we celebrate 30 years and also delineate the future of IHSS. Please join us in this effort, your participation and contributions are very important!

Warmest regards  
*Ladislau Martin-Neto*  
President of IHSS

## **BOARD ANNOUNCEMENTS**

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### **Amendments in the IHSS Bylaws**

Early next year we will be conducting elections for Vice President, Secretary, and Board Member. The board is proposing two amendments to the current bylaws to make changes in the election procedure beginning with the next election. The first is to change the rule for deciding who wins the election if there are three or more candidates for one position. As currently written, Article VI, Section 1 (below) specifies that a vote of more than 50% would be needed to win an election. This could result in requiring a runoff election if no candidate exceeds 50%. The amended language states that only a plurality of the votes cast is required to win. The second amendment defines who distributes ballots, whether or not the balloting is done online or by paper ballots (Article VI, Section 5).

According to the Article X on amendments (shown below) proposed amendments must be published in the Newsletter at least 90 days before being submitted to the membership for a vote. A vote on the amendments will be conducted this fall.

Both the current language and the proposed changes are listed below.

#### **ARTICLE VI. NOMINATIONS AND ELECTIONS**

Section 1.

##### **Current**

All of the Officers and At-Large Directors, with the exception of Treasurer, shall be elected by simple majority of the members voting from lists of candidates presented by the Nominations Committee.

##### **Amendment**

All of the Officers and At-Large Directors, with the exception of Treasurer, shall be elected by the members voting from lists of candidates presented by the Nomination Committee. The candidate receiving the largest numbers of votes shall be elected.

Section 5.

**Current**

The Secretary, in collaboration with the President, will transmit election ballots to members.

**Amendment**

The Secretary, or other designated officer, shall provide members with access to the ballots.

**ARTICLE X. AMENDMENTS**

*Any proposed amendment to these Bylaws shall first be presented in writing to the Board. If approved by a majority vote of the Board, a proposed amendment shall then be published in the Newsletter at least ninety (90) days before being submitted to the membership for a vote. A two-thirds (2/3) majority of the votes cast shall be required for adoption of the proposed amendment. Results of the vote shall be published in the next Newsletter published after the vote.*

The current bylaws are available at the IHSS website: <http://ihss.gatech.edu/>

**Elections in 2012**

The next elections will be held early next year. The new members of the Nominations committee will be announced in the next newsletter. Then all of you will be asked to recommend candidates to be considered for the positions of Vice President, Board Member, and Secretary of the Society. Your active participation is once again vital to make the IHSS Board truly representative of the IHSS membership.

**Changes in the positions of the Regional Chapter Coordinators**

Marcelo Avena follows Ramon A. Rosell as coordinator of the Argentinean Chapter, Tony Patti follows Kaye Spark of the Australian & New Zealand Chapter, Jerzy Weber follows Jerzy Drozd in the Polish Chapter.

*Gudrun Abbt-Braun*

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## **STANDARD AND REFERENCE COLLECTION**

**Sales from the Humic Substances Collection in 2010**

The value of the materials sold from the IHSS Collection in 2010 was \$151,800, slightly greater than sales in 2009. There were 413 individual sales, compared to 435 in 2009, sent to 35 different countries with 62% shipped to North America, 20% to the European Union and 14% to the Asia Pacific region (including Australia). Both Asia and EU sales were up over 2009. Our highest earning

products were Suwannee River fulvic acid, humic acid and NOM with sales of \$ 46,375, \$ 39,000 and \$ 23,000, respectively. These products accounted for 71% of sales. Another 14% of sales were from the Nordic and Pony lake aquatic sources. The remainder was from our soils and leonardite products.

Credit card purchases through our online store accounted for 78% the purchases. Credit card sales were up from 71% in 2009, which were up from 61% in 2008. We began using our online store June of 2008 and after a few adjustments we have been able to decrease the effort expended in processing orders and collecting payments.

*Paul Bloom*

## **MEMBERSHIP DUES**

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### **IHSS makes Online dues payment available beginning in 2011**

After several years of discussion by the Board and between the Board and Chapter Coordinators the IHSS now offers the opportunity for members pay dues online using a credit card. Members can still pay directly to their Chapter Coordinator but the online system offers a convenient alternative to the many members who prefer this method. The implementation of the online payment began last December with the first email solicitation asking to pay dues for 2011. Two additional reminders have been sent. In late March we began allowing new members to join from a link on our website (<http://ihss.gatech.edu/join.html>). We have had a few problems but now all seems to be working well and about 280 members have paid using the online system.

Currently we are implementing Chapter Coordinator access to the Chapter sections of the online membership database so coordinators can enter dues payments directly for their Chapters as well as member information updates. This will allow the IHSS secretary to have ready access to an up-to-date list of paid members, and eliminate the problem we have had this year of sending email requests for payment to members who have already paid directly to their Chapter.

We will be sending one more e-mail solicitation to all of the members who are on the central database and who have not paid online this year. Those who will not have paid until October 1, 2011, will not be able to take part in the voting of the amendments by the end of this year. Those who will have paid until December 31, 2011, will be able to vote for the upcoming elections starting in January 2012.

Next year we will be able to start earlier and complete the solicitation earlier.

*Paul Bloom*

## TRAINING AWARDS 2011

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As a response to the call for IHSS Training Award for 2011, a total number of 13 applications were received from 8 countries. Deadline for submission was December 15, 2010. The IHSS Training Award 2011 Committee, composed by the IHSS President Ladislau Martin-Neto, the Vice President Teddy Miano and the Board Members Claudio Ciavatta and Irina Perminova, appreciated very much a great response of students to the call. After evaluation of all applications and discussion, the Committee selected the following persons for a Training Award. The total amount of funding awarded for this program for 2011 is \$27,287.

Congratulations to the awardees!

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Name	Home country	Visiting country, host
Abd El Rahman, Hamada	Italy	USA, Daniel C. Olk
Alho, Carlos	Brazil	United Kingdom, Saran Sohi
Dubinenkov, Ivan	Russia	Germany, Norbert Hertkorn
Gattullo, Concetta	Italy	Germany, Peter Leinweber
Mylotte, Rosaleen	Ireland	Canada, Andre Simpson
Nebbioso, Antonio	Italy	Germany, Michael Spiteller
Santana, Graciele Sarante	Brazil	Spain, Heike Knicker
Zhemov, Yury	Russia	Germany, Stephan Kremb and Philippe Schmitt-Kopplin

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*Ladislau Martin-Neto*

# **CALL FOR TRAVEL SUPPORT AWARDS 2012**

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## **Aims**

The aim of the IHSS **Travel Support Award** is to allow graduate students to present their work and participate in the biannual International IHSS Meeting.

## **Conditions**

IHSS Travel Support Awards will be granted only to graduate students. Investigators who have completed their PhD degrees before application are not eligible.

The award covers the conference fee (including excursion and banquet), travel, accommodation (2 students per room), and a small stipend for incidental expenses.

The conference fee and accommodation charges will be paid directly to the Conference Organizing Committee by the IHSS Treasurer, while awardees will be reimbursed for travel expenses after the conference (receipts are required).

Recipients of travel support awards will be honored at the conference banquet, where they will receive a certificate and a one-year membership in IHSS.

## **Malcolm Award**

The IHSS Travel Support Award Committee will select the top Travel Award applicant for a special award: the Malcolm Award. This individual will receive a certificate and a check for 250 US\$ in addition to the regular travel award.

## **How to apply for IHSS Travel Support for the 16<sup>th</sup> IHSS Meeting September 9<sup>th</sup> to 14<sup>th</sup> 2012, Hangzhou, China**

Electronic applications (APPLICATION Form) should be sent to the Vice President of IHSS,  
**Prof. Teodoro Miano** ([miano@agr.uniba.it](mailto:miano@agr.uniba.it)).

Application form should be accompanied by:

- Curriculum Vitae, including summary of courses (1 page),
- a letter of evaluation from the applicant's main supervisor,
- a manuscript of the paper to be presented (4 pages in total).

Notifications of awards will be given to the applicants in advance of the conference registration deadline.

**Deadline for submission: January 31, 2012**

For further details, including the application form, see <http://www.ihss.gatech.edu/travel.html>

## IN MEMORIAM

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Ramon A. Rosell, coordinator of the IHSS Argentinean Chapter, and Professor of Soil Science, Department of Agronomy, Universidad Nacional del Sur, Argentina, died on October 24, 2010 in Bahía Blanca, Argentina. He was born on February 12, 1930 in Puan, Buenos Aires, Argentina. He attended the Universidad Nacional del Sur earning his degree in Chemistry in 1955. He then received the M.S. in Soil Science (University of California, Berkeley) in 1961, and was granted the



Ph.D. in Chemistry at the Universidad Nacional del Sur in 1963 and the Ph.D. in Soil Science at the University of California, Berkeley in 1967.

He was researcher of CONICET (Research Council of Argentina) and developed most of his academic and scientific activity in Bahía Blanca at the Department of Agronomy, Universidad Nacional del Sur. He promoted with other researchers the formation of CERZOS (Agronomy Research Institute of CONICET in Bahía Blanca), was the director of the Institute of Edaphology and Hydrology and of the Laboratory of Humus and Soil Biodynamics (LAHBIS). He was also Dean of the Department of Agronomy.

Professor Rosell was well known nationally and internationally, and was the developer of the research in Humic Substances in Argentina. He gave many lectures at scientific meetings and published numerous articles in scientific journals. He trained 18 Ph.D and M.S. students who occupy numerous positions of importance in Soil Science in Argentina. Professor Rosell was an active member of many scientific societies.

His devotion to scientific research and teaching is recognized and strongly appreciated by all who were fortunate to have worked with him.

He is no longer physically present, but its imprint will mark the way forward for Argentinean researchers in Soil and Humic Science.

*Marcelo Avena and Liliana Suñer*

## NEW BOOKS

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### Humic Acids from Raw Materials of the Czech Republic

**Series:** Chemistry Research and Applications, Environmental Science, Engineering and Technology



- Chapter 1. Preparation and Elemental Composition (Libuše Madronová, Jaromír Novák, Josef Kozler, František Novák)
- Chapter 2. FTIR spectra (Vladimír Machoviè, František Novák, Libuše Madronová, Jaromír Novák)
- Chapter 3. <sup>13</sup>C NMR Spectra in the Liquid and Solid States (Richard Hrabal, Jiří Brus, Libuše Madronová, František Novák)
- Chapter 4. Determination OF OH Groups by Wet Chemical Methods (Pavel Kuráò, Pavel Janoš, Libuše Madronová, František Novák)
- Chapter 5. Determination of Molecular Weights and Correlations with the E4/E6 Ratio (Libuše Madronová, Pavel Janoš, František Novák)
- Chapter 6. Thermal Analysis, Correlation between Physical and Chemical Properties of Humic Acids (Jiří Kuèerík, František Novák, Libuše Madronová, Jaromír Novák)
- Chapter 7. Biological Activity Determination (Libuše Madronová, Jaromír Novák, Jaroslav Kubíèek, Barbora Antošová, Josef Kozler, František Novák)
- Chapter 8. Oxidation of Coal-Based Raw Materials by Nitric Acid (Jaromír Novák, František Novák, Libuše Madronová, Vladimír Machoviè, Josef Kozler)

ISBN: 978-1-61668-965-0

Pub. Date: 2011

Price: \$62.10



### **Humic Substances in Ecosystems (HSE9), meeting of the IHSS Polish Chapter**

The 9<sup>th</sup> International conference “Humic Substances in Ecosystems” took place in Karpacz, West Sudety Mountains, Poland, May 26 - 29, 2011. The conference was attended by 90 participants from Brazil, Canada, Chile, China, Czech Republic, France, Germany, Israel, Italy, Latvia, Russia, Serbia, Slovakia and United Kingdom. It provided also a good opportunity to celebrate the 15 anniversary of the Polish Humic Substances Society (PTSH), which is organized as Polish Chapter of the IHSS. During opening the conference, Jerzy Drozd, President of the PTSH, reminded the beginnings of the Polish Chapter and PTSH. Then, Gudrun Abbt-Braun, the Secretary of the IHSS, outlined the history of humic substances research and characterized the activities of the IHSS during 30-years of the Society, which generated a great interest especially of younger researches. Those speeches dealing with historical aspects were followed by oral presentations organized in 5 topics:

1. Instrumental methods in humic substances analysis
2. Structure and properties of humic substances
3. Transformation and role of NOM in terrestrial and water ecosystems
4. Carbon sequestration and role of humic substances in components transfer among ecosystems
5. Organic waste and their utilization

Each topic was introduced by one or two invited presentations, given by the following outstanding keynote speakers:

- Ladislau Martin-Neto (Brazil/USA), President of the IHSS  
Recent applications of spectroscopic techniques in natural organic matter research
- Yona Chen (Israel)  
Humic substances and soil structure: dispersing agents or stabilizers
- Fritz Frimmel (Germany), Honorary Member of the IHSS  
Catching the functionality of refractory organic matter
- Teodoro Miano (Italy), Vice-President of the IHSS  
Understanding the contribution of peat humic acids to the consistency of past human activity and environmental change reconstructions
- Ahmet Mermut (Canada)  
Carbon sequestration and role of humic substances in components transfer among ecosystems
- Claire Richard (France)  
Environmental impact of humic substances through their interaction with solar light.
- Nicola Senesi (Italy), Honorary Member of the IHSS

Organic waste: traditional and new utilizations in soil

- Stephen Nortclif (United Kingdom)

The importance of humic substances in the European Soil Protection Strategy.

During the business meeting of the Polish Chapter, new Board of PTSH was elected for the turn of 2011 to 2015, as follows: Jerzy Weber (PTSH President and national coordinator of the Polish Chapter), Bożena Debska (PTSH Vice President), Maria Jerzykiewicz (PTSH Secretary), Elżbieta Jamroz (PTSH Treasurer), Izabella Pisarek (PTSH Board Member). Jerzy Drozd and Sławomir Gonet, the most deserving founders of the Polish Chapter, were made Honorary Members of the Polish Humic Substances Society (PTSH) for their exceptional contributions to soil organic matter research in Poland.



Conference Site

Discussions at 20 lectures and 2 poster sessions were continued at the half-day field session, where participants enjoyed the beauty of mountain landscapes at a height of over 1400 m a.s.l., and learned more about humic substances in aquatic and terrestrial mountain systems.

HSE9 provided a great chance to gather together humic substance researchers from around the World. There were meetings of old friends, and new friendships were created. The scientific program was fascinating, mainly due to the excellent keynote presentations. The meeting was a great success due to a great atmosphere, in which more advanced researches shared their experience with younger scientists, just incoming to the wonderland of humic substances. All this made HSE9 an exceptional and unforgettable event.



Excursion

The Polish Chapter appreciate very much a financial support of the IHSS, as well as Polish Ministry of Research and Higher Education, which enabled the organizers to invite so many so renowned key-note speakers.

We are looking forward to the next meeting in 2013!

*Jerzy Weber and Elżbieta Jamroz*



## **IHSS CONFERENCE 2012**

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## **The 16th Meeting of the International Humic Substances Society**

### **Functions of Humic Substances in Changing Environment**

**September 9-14, 2012**

**Zijingang Campus of Zhejiang University, Hangzhou, China**

Hangzhou city, the capital of Zhejiang Province, was settled as early as 4,700 years ago, giving birth to the Liangzhu Civilization. Hangzhou is one of the seven ancient capitals and a key scenic and historic city in China. Marco Polo, the 13th century Italian traveller, applauded it as “the most splendid and luxurious city in the world”. The beautiful city of Hangzhou is known as a paradise on the earth with numerous touristic sites within and nearby the city, and the city attracts millions of foreign and domestic tourists. Participants will surely enjoy and benefit from the beautiful natural scenery and historical cultural sites.

It only takes 48 min. to travel from Shanghai to Hangzhou by high-speed train. The Hangzhou International Airport serves a network of 160 domestic and international routes connected to 58 cities and region.

#### **TOPICS**

- Formation, structure and characteristics of HS and NOM
- HS/NOM and carbon sequestration
- HS/NOM and biogeochemical cycling of nutrients
- HS/NOM and the environmental processes of toxic elements and anthropogenic organics
- HS/NOM, naturally occurring and engineered nanoparticles
- HS/NOM, biodiversity and ecosystem health
- Characterization and function of biochar in the environment
- Industrial products and application of HS

Extended abstract submission starts:

**September 1, 2011**

Extended abstract submission deadline:

**March 31, 2012**

Confirmation of oral or poster presentation:

**April 15, 2012**

Early bird rate cut-off:

**Before April 30, 2012**

Standard rate starts: **July 1, 2012**  
Final program schedule: **July 15, 2012**  
Full paper submission: **September 10, 2012**

**For further information regarding the IHSS16 please contact:**

**Chair:** Prof. Jianming Xu **E-mail:** [jmxu@zju.edu.cn](mailto:jmxu@zju.edu.cn)  
**Secretary:** Prof. Jianjun Wu **E-mail:** [wujianjun@zju.edu.cn](mailto:wujianjun@zju.edu.cn)  
**Telephone:** + 86-571-88982955 **FAX:** + 86-571-88982955

**Address:** College of Environmental and Natural Resource Sciences, Zhejiang University,  
866 Yuhangtang Road, Hangzhou 310058, P.R.China

**For further information see webpage:** <http://zjklsp.zju.edu.cn/IHSS2012/index.html>

## FUTURE CONFERENCES

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### **Humus Substances – Innovation in Science and Practice**

3<sup>rd</sup> National Conference with international participation from the Bulgarian Humic Substances  
Society

**12<sup>th</sup> - 16<sup>th</sup> September, 2011**

Institute of Soil Science "N. Poushkarov", Sofia, Bulgaria

#### **Topics:**

- Characteristics and properties of humus substances
- Humus state and soil fertility
- Organic matter and soil biodiversity
- Composting and composts utilization
- Industrial humus substances – properties, technology and utilization

Exhibition: Humus products

Round table: Humus substances and their role in the organic farming

#### **Organization and further information:**

National Chapter of Bulgaria, Institute of Soil Science "N. Poushkarov", Dobroudja Agricultural  
Institute, Gen. Toshevo, Research Organization and Manufacture of Bioproducts (ROMB)

Prof. E. Filcheva, PhD, President of BHSS, ISS "N. Poushkarov"

Prof. M. Teoharov, PhD, Director of ISS "N. Poushkarov"

Prof. N. Vichev, D.Sci., General Secretary, Agricultural Academy

**Contact: Prof. Dr. E. Filcheva**

Tel.: +359 2 824 87 44

[bhss\\_2009@abv.bg](mailto:bhss_2009@abv.bg)

<http://bhss.itp.bg>

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**Natural Organic Matter and Humic Substances: from the advances of the spectroscopic characterization to the C sequestration**

IX Meeting of the IHSS-Brazilian Chapter

**3<sup>th</sup> – 7<sup>th</sup> October 2011, City of Aracaju, Sergipe State**

The biannual meeting of the Brazilian Chapter of the IHSS will take place from October 3 to 7. It will be realized in a very beautiful city of Aracaju, in the Brazilian Northeast seaside.

International invited guest speakers are:

- Prof. Patrick Hatcher, Old Dominion University, USA
- Prof. Teddy Miano, University of Bari, Italy

Deadline for abstract submission: **July 31<sup>st</sup>, 2011**

**Contact: Prof. Luciane Romao**

Chairwoman of the Organizing Committee

lucianeromao@uol.com.br

Further information: [www.ixebsh.com.br](http://www.ixebsh.com.br)

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**Molecular Aspects of Humic Substances as a Result of biological Activities  
in Soil and the Environment**

Biannual Meeting of the IHSS-Italian Chapter

**5<sup>th</sup> – 7<sup>th</sup> December 2011, Portici, Italy**

The biannual meeting of the Italian Chapter of the IHSS will take place from December 5 to 7. It will take place in the Chinese Room of the Royal Palace of Portici (built in AD 1734), near Napoli, where also the Faculty of Agriculture of the University of Napoli Federico II is located.

Invited guest speakers are:

- Prof. Matthias Kaestner, Helmholtz Research Centre of Leipzig, Germany,  
tentative title: "Soil Organic matter and microbial activities".
- Prof. José Gonzalez-Perés, CSIC of Seville, Spain,  
tentative title: "Molecular characterization of humic substances in the environment by pyrolysis-GC-MS".

The meeting will be held in English. An attendance of 60 to 80 scientists and students is previewed from Italy. However, humic substances scientists from Europe and elsewhere are warmly welcome.

**Contact: Prof. Alessandro Piccolo**

Chairman of the Organizing Committee

[alessandro.piccolo@unina.it](mailto:alessandro.piccolo@unina.it)

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**2<sup>nd</sup> International Conference on Humic Innovative Technologies**  
**Natural Organic Matter in Clean Water and Carbon Sequestration Technologies**  
**(HiT-2012)**

Second Meeting of the CIS Chapter of IHSS  
**22<sup>nd</sup> - 27<sup>th</sup> April, 2012, Moscow, Russia**

Main goal of the HiT-2012 is to provide impetus to cutting edge research in the field of innovative clean water and carbon sequestration technologies based on understanding of ecoadaptive chemistry of natural organic matter (NOM) and organo-mineral interactions.

The main topics will focus

- on the role of NOM in self-purification of water ecosystems,
- on refractory organic carbon as a marker of climate change,
- on water treatment and its relation to quality of NOM,
- on reference materials and standardization of NOM analysis,
- on organo-mineral interactions,
- and on carbon sequestration technologies.

Information on registration fees and hotel accommodation will be available on the Conference website: <http://www.humus.ru/hit-2012/eng/>.

**Contact: Organizing Secretariat**

Prof. Irina Perminova (Chair)

Dr. Olga Yakimenko (Secretary)

Lomonosov Moscow State University,

Leninskie Gory, Moscow, Russia

Tel.: +7(495)9395546 (of); +7(903)6604864 (mob)

e-mail: [ipermin@org.chem.msu.ru](mailto:ipermin@org.chem.msu.ru)

<http://www.humus.ru/hit-2012/eng/>

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**1<sup>st</sup> National Humic Substance Congress in Turkey**

**10<sup>th</sup> - 12<sup>th</sup> June, 2012**

Culture and Congress Center, Esentepe Campus,

Sakarya University, Sakarya, Turkey

Topics: all fields related with humic substances

Contact: **Prof. Dr. Ahmet Tutar**

Email: [atutar@gmail.com](mailto:atutar@gmail.com)

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## **Eurosoil 2012**

4<sup>th</sup> international Congress, Soil Science for the Benefit of Mankind and Environment

**2<sup>nd</sup> – 6<sup>th</sup> July 2012**

Fiera del Levante, Bari, Italy

The Congress will focus on and develop the various aspects of fundamental and applied soil science and technology, field approaches and social, economical and political implications in relation to the present and future needs and emergencies of mankind and environment.

Special emphasis will be devoted to the fundamental role of soil as a central ecosystem and instrumental but limited and sensible resource for a correct, sustainable and harmonized development of mankind and its benefit and welfare.

Information on registration fees and hotel accommodation will be available on the Congress website.

### **EUROSOIL 2012 and ECSSS President:**

Nicola Senesi

Dipartimento di Biologia e Chimica Agroforestale e Ambientale

Università "Aldo Moro" di Bari, Bari, Italy

Tel.: +39 080 5442853, Fax: +39 080 5442850, e-mail: [senesi@agr.uniba.it](mailto:senesi@agr.uniba.it)

### **Contact: Organizing Secretariat SelectoSrl**

Society of Quality Management System

Via Roberto da Bari, 108 - 70122 Bari- Italy

Piazza Campitelli, 1 - 00186 Roma - Italy

Tel.: +39 080 5218556 Fax: +39 080 5245166

[info@eurosoil2012.eu](mailto:info@eurosoil2012.eu)

[www.eurosoil2012.eu](http://www.eurosoil2012.eu)

[www.selectocongressi.com](http://www.selectocongressi.com)

# BOARD OF DIRECTORS 2011

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## **Past President**

Dr. Jerzy Weber  
Wroclaw University of Environmental and  
Life Sciences  
Institute of Soil Science and  
Environmental Protection  
Grunwaldzka 53,  
50-357 Wroclaw, Poland  
☎ (+) 48 71 3205631  
☎ (+) 48 60 4668932 (mobile)  
[jerzyweber@gmail.com](mailto:jerzyweber@gmail.com)

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Dr. Ladislau Martin-Neto  
Brazilian Agricultural Research  
Corporation- Embrapa  
Labex-USA-Embrapa/USDA-ARS  
Cooperation  
5601 Sunnyside Avenue, Bldg. 4-  
1193  
Beltsville, MD 20705-5141, USA  
☎ (+) 1 301 504 4556  
☎ (+) 1 301 504 4528  
[martin.ladislau@yahoo.com](mailto:martin.ladislau@yahoo.com)

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Dr. Teodoro Miano  
Università di Bari  
Dipartimento di Biologia e  
Chimica e Agro-Forestale e  
Ambientale  
Via G. Amendola, 165/A  
70126 Bari, Italy  
☎ (+) 39 80 5442857  
☎ (+) 39 80 5443099  
☎ (+) 39 80 5442850  
[miano@agr.uniba.it](mailto:miano@agr.uniba.it)

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Dr. Gudrun Abbt-Braun  
Karlsruher Institut für Technologie (KIT)  
Engler-Bunte-Institut  
Bereich Wasserchemie  
Engler-Bunte-Ring 1  
76131 Karlsruhe, Germany  
☎ (+) 49 721 608 44309  
☎ (+) 49 721 608 47051  
[gudrun.abbt-braun@kit.edu](mailto:gudrun.abbt-braun@kit.edu)

## **Treasurer**

Dr. Raymond Hozalski  
Dept. Civil Engineering,  
University of Minnesota  
500 Pillsbury Drive SE  
Minneapolis, MN 55455, USA  
☎ (+) 1 612 626 9650  
☎ (+) 1 612 626 7750  
[hozal001@umn.edu](mailto:hozal001@umn.edu)

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USDA-ARS  
Dept. Soil, Water, Climate  
University of Minnesota  
1991 Upper Buford Circle  
St. Paul, MN 55108, USA  
☎ (+) 1 612 625 2767  
☎ (+) 1 612 625 2208  
[eclapp@umn.edu](mailto:eclapp@umn.edu)

## **Board Position**

Dr. Claudio Ciavatta  
Dip. Scienze Tecnologia Agro-Ambientali  
Università di Bologna  
Viale Fanin, 40  
40127 Bologna, Italy  
☎ (+) 39 051 2096201  
☎ (+) 39 051 2096203  
[claudio.ciavatta@unibo.it](mailto:claudio.ciavatta@unibo.it)

## **Board Position**

Dr. Irina Perminova  
Department of Chemistry  
Lomonosov Moscow State  
University  
Leninskie Gory 1-3  
119991 Moscow, Russia  
☎ (+) 7 495 9395 546  
☎ (+) 7 495 9395 546  
[iperm@org.chem.msu.ru](mailto:iperm@org.chem.msu.ru)

## **Chairman, Samples Collection**

Dr. Paul R. Bloom  
Dept. Soil, Water, Climate  
University of Minnesota  
1991 Upper Buford Circle  
St. Paul, MN 55108, USA  
☎ (+) 1 612 625 4711  
☎ (+) 1 612 625 2208  
[prb@umn.edu](mailto:prb@umn.edu)

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**President**

Dr. Ladislau Martin-Neto

Brazilian Agricultural Research

Corporation- Embrapa

Labex-USA-Embrapa/USDA-ARS

Cooperation

5601 Sunnyside Avenue, Bldg. 4-1193

Beltsville, MD 20705-5141, USA

☎ (+) 1 301 504 4556

☒ (+) 1 301 504 4528

[martin.ladislau@yahoo.com](mailto:martin.ladislau@yahoo.com)

**Secretary**

Dr. Gudrun Abbt-Braun

Karlsruher Institut für Technologie (KIT)

Engler-Bunte-Institut

Bereich Wasserchemie

Engler-Bunte-Ring 1

76131 Karlsruhe, Germany

☎ (+) 49 721 608 44309

☒ (+) 49 721 608 47051

[gudrun.abbt-braun@kit.edu](mailto:gudrun.abbt-braun@kit.edu)