



NEWSLETTER

INTERNATIONAL HUMIC SUBSTANCES SOCIETY

Number 43

Summer 2010



Dear Colleagues,

the time has come to announce the results of the last IHSS elections. I am very happy to inform, that the election process has been completed with a big response from the members. The turnout of 376 votes is a record number with respect to the recent elections. This is obviously the result of the adoption of the on-line voting system, which is really promising for the future activities of the Society.

I have the great pleasure to welcome Teddy Miano as Vice President/President Elect and Irina Perminova as new Board Member. Both of them are well known from their research on humic substances, but also from their enthusiastic involvement in the activities of the Society. I know that they will contribute significantly to the guidance of the Society during the next years.

The happiness associated with welcoming of excellent new IHSS officers is tempered however with the awareness that highly qualified individuals have offered their services and were not selected to contribute. But this is a price to pay for having a highly ranked and healthy society. I wish to thank the candidates for their dedication to stand for the election and serving for the society. Together with conveying our best wishes to the newly elected officers, I am sure all of you will join me in thanking our Past President Paul Bloom and Board Member Etelka Tombacz, for their invaluable service to the IHSS. They are now leaving the Board, but Paul Bloom will still serve as the Chairman of the Samples Collection.

We are just getting ready to attend the 15th IHSS International Meeting to be held in Puerto de la Cruz, Tenerife, Canary Island, Spain. I have to mention that we received 47 applications for the IHSS Travel Award, enabling students to attend the upcoming conference. It is a very good sign

that so many young scientists are involved in the study of humic substances. Their applications were generally of very high level, so the Board decided to award 22 students, covering all travel and on site expenses.

My service as IHSS President is getting close to its end. I sincerely thank all members of the IHSS Board for their cooperation and support during my presidency. Following the election of the new Vice President, it is now time for me to leave the presidency in the hands of Ladislau Martin-Neto. I am deeply convinced that it will be a good time for the Society. I believe, that the next two years, when I will serve as Past President, will be still an exciting part of my life, full of hard work but also of real friendship in a great team.

Dear “humus folks”, I wish all of you a very good time at Puerto de la Cruz.

Yours sincerely,
Jerzy Weber
President of IHSS

ELECTIONS

Nomination Committee:

Dr. Kaye Spark of the University of Queensland (Australia) (Chair),

Dr. Elzbieta Jamroz of the Wroclaw University of Environmental and Life Sciences, Institute of Soil Science and Environmental Protection (Poland),

Prof. Antonio Salvio Mangrich of the Universidade Federal do Paraná, Departamento de Quimica (Brazil),

Dr. Claire Richard of the Université Blaise Pascal, Laboratoire de Photochimie (France).

Results:

New Vice President

Dr. Teodoro Miano

Università di Bari

Dip. Biologia e Chimica

Agro-Forestale e Ambientale (DIBCA)

Via Amendola, 165/A,

70126 Bari, Italy

☎ (+) 80 544285; - 544.3099

📄 (+) 80 5442850

📞 335.8039080

miano@agr.uniba.it



Board Member

Dr. Irina Perminova

Department of Chemistry
Lomonosov Moscow State University
Leninskie Gory 1-3
119991 Moscow, Russia

☎ (+) 7 495 9395546

📄 (+) 7 495 9395546

📱 (+) 7 903 6604864

iperm@org.chem.msu.ru



Queensland, 18 May 2010

Kaye Spark
Chair Nomination Committee

TRAVEL SUPPORT AWARD

The call for the IHSS Travel Support Award 2010 was answered by 47 applications from students from 23 countries on all continents. This is a historic number of applications.

The Committee consisting of Ladislau Martin-Neto (Chair), Claudio Ciavatta and Etelka Tombacz, worked hard to evaluate all abstracts submitted. The overall quality of the submissions was excellent, demonstrating an impressive commitment of the applicants and indicating a worldwide good level of humic substances research. This is a relevant aspect for our Society because young researchers represent our future. Due to the very high scientific level of the 47 applications, it was possible to award 22 applicants, exceeding the previous highest historic number of 17 students awarded in 2008.

This decision has many consequences, mainly financial ones, but also additional work for the Board Members involved in managing this high number of awarded students, including approvals of flight ticket costs, payments for hotel and living expenses and others. Fortunately, the Organizing Committee of the 15th IHSS Meeting gave an additional support.

The selected students for the Travel Support 2010 to attend the 15th IHSS Meeting in Tenerife were:

Michael Aeschbacher	Switzerland
Linda Ansome	Latvia
Wander G. Botero	Brazil
Deborah Dryer	USA
Concetta G. Gatullo	Italy
Chen Hongmei	USA
Szilvia Joo	Hungary
Hikari Kanno	Japan
Bin Ma	China
Bruno H. Martins	Brazil
Agnieszka Medynska	Poland
Aamir Mirza	India
Itamar Nadav	Israel
Silvia Orsetti	Argentine
Stathi Panagiota	Greece
Nagender Panyala	Czech Rep
Tetiana Poliakova	Ukraine
Iryna Shevchuk	Ukraine
Ehsan Razavy Toosi	New Zealand
Gleb Vladimirov	Russia
Alexandra Volk	Russia
Wei Zhang	Australia

Michael Aeschbacher, from Switzerland, as a top applicant, was selected as winner of the Malcolm Award.

Ladislau Martin-Neto
Chair of IHSS Travel Award 2010 Committee

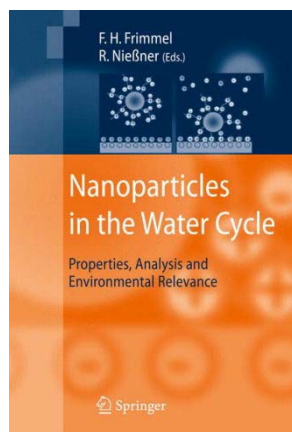
NEW BOOKS

Nanoparticles in the Water Cycle

Editors: Frimmel, Fritz H. and Nießner Reinhard

1st Edition., 2010, I, 298 p. 120 illus., 60 in color., Hardcover, ISBN: 978-3-642-10317-9

As nanotechnology enters everyday life, engineered nanoparticles (ENP) will find their way into nature, including surface and groundwater. Here, distinguished experts of water chemistry present dedicated methods for the analysis of nanoparticles in the aquatic environment, their distribution and fate. This includes the influence of complex matrices such as wastewater, brown water with natural organic matter (NOM), and high salt concentrations as well as available and future standardized methods. The back-ground of geogenic, natural nanoparticles is considered in a discussion of known environmental effects, including strategies to test for potential effects on human and environmental health. (by Springer).



List of content:

- Introducing the “Nano-world” (F. H. Frimmel and M. Delay)
- Nanoparticles Acting as Condensation Nuclei – Water Droplet Formation and Incorporation (R. Nießner)
- Nanoparticles in Groundwater – Occurrence and Applications (Th. Baumann)
- Composition and Transport Behavior of Soil Nanocolloids in Natural Porous Media (A. D. Karathanasis)
- Removal of Organic and Inorganic Pollutants and Pathogens from Wastewater and Drinking Water Using Nanoparticles – A Review (C. Prasse and Th. Ternes)
- Adsorption/Desorption Behavior of Charged Polymer Nanoparticles on a Mineral Surface in an Aqueous Environment (H. Gliemann, M. Ballauff, and Th. Schimmel)
- X-Ray Spectromicroscopy Studies of Nanoparticles in Aqueous Media (J. Thieme, S.-C. Gleber, J. Sedlmair, J. Rieger, J. Niemeyer and J. Coates)
- In Situ Measurements on Suspended Nanoparticles with Visible Laser Light, Infrared Light, and X-Rays (H. Zänker)
- Coupling Techniques to Quantify Nanoparticles and to Characterize Their Interactions with Water Constituents (M. Delay, L. A. Tercero Espinoza, G. Metreveli, and F. H. Frimmel)
- Nanoparticles: Interaction with Microorganisms (H. Schwegmann and F. H. Frimmel)
- Ecotoxicology of Engineered Nanoparticles (K. Fent)
- Standardisation (B. C. Gordalla)



15th Meeting of the International Humic Substances Society
June 27th to July 2nd , 2010

Puerto de la Cruz, Tenerife, Canary Islands, Spain

Humic Substances and the Maintenance of Ecosystem Services

For detailed information see

<http://www.ihss2010.org>

Contact:

José A. GONZÁLEZ-PÉREZ (chairman), jag@irnase.csic.es

Francisco J. GONZÁLEZ-VILA (co-chairman), fjgon@irnase.csic.es

Instituto de Recursos Naturales y Agrobiología de Sevilla,

Tel: + 34 95 462 47 11 ext 116

Fax: + 34 95 462 40 0



General Event Chart

		Time	Monday 28	Time	Tuesday 29
		08:00	Registration	09:00	SESSION 4 KLS: D.M.B. Perira Milori
		09:00	Opening Ceremony	09:30	O-14
		09:30	OPENING SESSION 1	09:50	O-15
		10:00	KL1: P.G.Hatcher	10:10	O-16
		10:30	KL2: E. Tombácz	10:30	O-17
		10:30	Coffee break	10:50	O-18
		11:00	SESSION 2 KL3: I. Perminova	11:10	Coffee break
		11:30	O-1		SESSION 4 (Cont.) KL6: J.-M. Xu
		11:50	O-2	11:30	
		12:10	O-3	12:00	O-19
		12:30	O-4	12:20	O-20
		12:50	O-5	12:40	O-21
		13:10	O-6	13:00	O-22
		13:30	Lunch	13:20	Announcements
		14:30	Poster Session A	13:30	Lunch
		16:00	SESSION 3 KL4: R. Spaccini	14:30	Poster Session B
		16:30	O-7	16:00	SESSION 5 KL7: N. Senasi
		16:50	O-8	16:30	O-23
		17:10	O-9	16:50	O-24
		17:30	Coffee break	17:10	O-25
		17:50	O-10	17:30	Coffee break
		18:10	O-11	17:50	O-26
		18:30	O-12	18:10	O-27
		18:50	O-13	18:30	O-28
		20:00	IHSS National Chapters Coordinators Meeting	18:50	O-29
		20:00		19:10	Commercial Meeting
Time	Sunday 27				
18:00	Registration				
20:00	WELCOME RECEPTION				

Time	Wednesday 30	Time	Thursday 1	Time	Friday 2
08:30	SESSION 6 MA: M. Aeschbacher	08:30	SESSION 7 KL8: F.H. Frimmel	09:30	SESSION 10 KL11: M.H.B. Hayes
08:50	TA-1	09:00	O-30	10:00	O-44
09:00	TA-2	09:20	O-31	10:20	O-45
09:10	TA-3	09:40	O-32	10:40	O-46
09:20	TA-4	10:00	O-33	11:00	O-47
09:30	TA-5	10:20	O-34	11:20	Coffee break
09:40	TA-6	10:40	Coffee break		CLOSING SESSION 11 KL12: G.Rein KL13: N. Hertkorn
09:50	TA-7	11:00	O-35	11:40	
10:00	TA-8	11:20	O-36	12:10	
10:10	TA-9	11:40	O-37	12:40	CONCLUSIONS
10:20	TA-10	12:00	O-38	13:00	CLOSING CEREMONY
10:30	Coffee break	12:20	IHSS General Assembly		
10:45	FIELD TRIP	13:30	Lunch		
17:00	CULTURAL VISIT	14:30	Poster Session A + B		
		16:00	SESSION 8 KL9: M. Filella		
		16:30	O-39		
		16:50	O-40		
		17:10	O-41		
		17:30	Coffee break		
		17:50	SESSION 9 KL10: J.M. Garcia-Mina		
		18:20	O-42		
		18:40	O-43		
		20:30	BANQUET		

FUTURE CONFERENCES

Third National Conference with international participation
“Humus Substances – Innovation in Science and Practice”

September, 2011

Institute of Soil Science “N. Poushkarov”, Sofia, Bulgaria

Thematic scope:

- 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

Deadline schedule:

15.03.2011 – for sending registration form

15.04.2011 – for sending abstracts

30.05.2011 – for sending full papers and registration fee

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. E. Filcheva

Tel: +359 2 824 87 44

E-mail: bhss_2009@abv.bg

Website: <http://bhss.itp.bg>

June 2010

Past President

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 6254711
☏ (+) 1 612 6252208
prb@umn.edu

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 604668932 (mobile)
jerzy.weber@up.wroc.pl
jerzyweber@gmail.com

Vice 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
☎ (+) 301 504 4556
☏ (+) 301 504 4528
Ladislau.Martin@ars.usda.gov

Secretary

Dr. Gudrun Abbt-Braun
Institut für Technologie (KIT)
Engler-Bunte Institut
Bereich Wasserchemie
Engler-Bunte-Ring 1
76131 Karlsruhe, Germany
☎ (+) 49 721 6084309
☏ (+) 49 721 6087051
gudrun.abbt-braun@kit.edu

Treasurer

Dr. C. Edward Clapp
USDA-ARS
Dept. Soil, Water, Climate
University of Minnesota
1991 Upper Buford Circle
St. Paul, MN 55108, USA
☎ (+) 1 612 6252767
☏ (+) 1 612 6495175
eclapp@umn.edu

Associate Treasurer

Dr. Raymond Hozalski
Dept. Civil Engineering, Rm 158
University of Minnesota
500 Pillsbury Drive SE
Minneapolis, MN 55455, USA
☎ (+) 1 612 6269650
☏ (+) 1 612 6267750
hozal001@umn.edu

Board Position

Dr. Claudio Ciavatta
Dept. of Agro-Environmental Sciences &
Technologies
University of Bologna
Viale Fanin, 40
40127 Bologna, Italy
☎ (+) 39 051 2096201
☏ (+) 39 051 2096203
claudio.ciavatta@unibo.it

Board Position

Dr. Etelka Tombacz
Department of Colloid Chemistry,
University of Szeged
Aradi Vt.1.
H-6720 Szeged, Hungary
☎ (+) 36-62-544212
☏ (+) 36-62-544042
e.tombacz@chem.u-szeged.hu



Honorary Members

Dr. Russel Christman
Dr. Wolfgang Flaig †
Dr. Egil T. Gjessing
Dr. Konrad Haider
Dr. Michael H.B. Hayes

Distinguished Service Members

Dr. Ronald L. Malcolm †
Dr. Morris Schnitzer
Dr. Frank J. Stevenson
Dr. Roger S. Swift
Dr. C. Edward Clapp

International Humic Substances Society on the World Wide Web

Visit our home page at:

<http://www.ihss.gatech.edu>

Dr. E. M. Perdue coordinates the updating of the IHSS WEB page which is located on the server of the Georgia Institute of Technology, Atlanta, GA, USA.

Contributions, suggestions and comments regarding the content and organization of the WEB pages are welcome from all IHSS members.

E-mail: Dr. E. M. Perdue at michael.perdue@eas.gatech.edu.

IMPRESSUM

Editor: INTERNATIONAL HUMIC SUBSTANCES SOCIETY

NEWSLETTER 43

President

Prof. Jerzy Weber

Wroclaw University of

Environmental and Life Sciences

Institute of Soil Science and

Environmental Protection

Grunwaldzka 53,

50-357 Wrocław, Poland

☎ (+) 48 71 3205631

☎ (+) 48 604668932 (mobile)

jerzy.weber@up.wroc.pl

jerzyweber@gmail.com

Secretary

Dr. Gudrun Abbt-Braun

Institut für Technologie (KIT)

Engler-Bunte-Institut

Bereich Wasserchemie

Engler-Bunte-Ring 1

76131 Karlsruhe, Germany

☎ (+) 49 721 6084309

☎ (+) 49 721 6087051

gudrun.abbt-braun@kit.edu