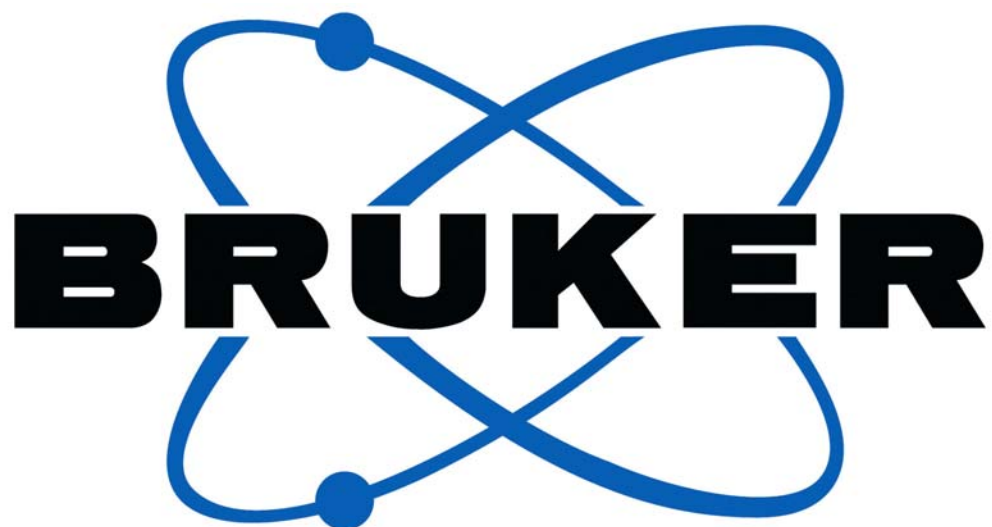


EuAsC₂S-12

12th Eurasia Conference on Chemical Sciences

SCIENTIFIC PROGRAM

April 16-21 2012
Corfu, GREECE



The University of Ioannina



IUPAC

International Union of Pure and Applied Chemistry

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Map of Greece





INVITATION



Dear Colleagues,

On behalf of the organizing committee, I would like to invite you to participate in the Eurasia-12 conference on chemical sciences. It will be held in Corfu, Greece. We hope you will contribute to a successful conference, fruitful for all participants. You can register online at the web site of the conference (eurasia12.uoi.gr), as well as submit your contribution(s), for oral or poster presentation at the session of your choice.

The University of Ioannina, Epirus, Greece, is the organizer of the Eurasia-12 Conference on Chemical Sciences. This is the 12th Eurasia conference and it will cover all branches of modern chemistry.

All previous conferences in this series were organized in Asian countries, the first to be organized in Europe will be the 12th in Greece. The location of the conference is the island of Corfu, in the northwest of Greece, easily accessible by ferry boat from Italy. In addition, there are several daily chartered flights to Corfu from the main European cities and the island can be reached by airplane or bus from Athens (45 minutes and 7 hrs respectively).

The conference is expected to last 6 days and will take place between April 16th and 21st, 2012.

More details about the scope, topics, travelling, accommodation, registration deadlines and fees can be found at the conference website, at eurasia12.uoi.gr. We look forward to see you in Corfu in spring of 2012.

With my Best Regards,

The Chairman of the Organizing Committee

Eurasia12 Conference on Chemical Sciences

Nick Hadjiliadis

Emeritus Professor

University of Ioannina

Department of Chemistry

45110, Ioannina, Greece

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http://users.uoi.gr/nhadjis/Hadjiliadis/Hadjiliadis_1.htm

Metal Complex - DNA Interactions, Wiley-Blackwell

<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-1405176296.html>

Bioinorganic Chemistry and Applications <http://www.hindawi.com/journals/bca/>

HISTORICAL BACKGROUND AND THE AIM OF THE EURASIA CONFERENCE

Around 1985-86, Prof. Bernd M. Rode from the University of Innsbruck, Austria suggested with Prof. Hitoshi Ohtaki (an International Steering Committee Member of the International Conference on Solution Chemistry (ICSC)) to organize an international conference concerning solution chemistry in Thailand. However, ICSC was scheduled until 1991, and thus, it was not possible to organize the new conference in Thailand before that year. Upon invitation of Profs. Rode and Ohtaki to Prof. Ivano Bertini of Florence University, Italy, to join this first committee, the three founders discussed the matter and changed Prof. Rode's original idea, to the creation of an international conference called Eurasia Conference on Chemistry of Solutions (EuAsC₂S) with the aim to deepening friendship among chemists in the Eurasian supercontinent, and supporting them with the help of chemists in other continents such as America, Canada, and Australia. This could be achieved with the organization of the international Eurasia series of conferences of world-top quality and class, mainly in developing Asian countries with the participation of a world-wide friendship network. Through this conference world-leading scientists were invited, with whom scientists, especially young ones from developing countries, could exchange scientific chemical information to emphasize scientific activities in their countries. Under such a vision of the three founders, Profs. Rode, Ohtaki and Bertini, the First Eurasia Conference on Chemistry of Solutions (1st EuAs C2S) was held in Bangkok in 1988 (<http://xray.kaist.ac.kr/euasc2s/>).

Eurasia Conference on Chemistry of Solutions changed its name to Eurasia Conference of Chemistry in Seoul in 1990, and then, again to Eurasia Conference on Chemical Sciences in 1992 in Guangzhou due to its expansion to all areas of chemistry, now involved in the conference.

All previous conferences in this series were organized in Asiatic countries; the first to be organized in Europe is the 12th in Greece. Chairman of Eurasia-12 is Emeritus Professor of Chemistry Nick Hadjiliadis.

The logo of the conference is "EuAsC₂S", which was proposed by Dr. Sunt Techakumpuch of Chulalongkorn University, Thailand, in 1988. The Eurasia Conferences on Chemical Sciences Chairman is a member of the International Organizing Committee (IOC) at each conference and has a general supervision of the organization and the Chairman of the National Organizing Committee (NOC), is the one responsible to organize the conference with the cooperation of the National (Local) Organizing Committee. Besides these committees, EuAsC₂S has also the International Advisory Committee (Board) in which world-leading scientists are contributing to support the activities of the conference. At present, EuAsC₂S has 37 members from 28 countries.

	Year	Venue	IOC Chairperson	NOC Chairperson	Numbers of Participants B and (Countries)	Remark
1st	1988	Bangkok Thailand	Bernd M. Rode (Austria)	Salag Dhabandana	300 (20)	Attendance of HRH Princess Maha Chakri Sirindhorn Nobel Laureate: J. M. Lehn (France)
2nd	1990	Seoul Korea	H. Ohtaki (Japan)	Mu Shik Jhon	400 (30)	Nobel Laureate: K. Fukui (Japan) Past President of Nobel Institute: P.-O. Lowdin (Sweden)
3rd	1992	Bangkok Thailand	Bertini (Italy)	Salag Dhabandana	430 (32)	
4th	1994	Kuala Lumpur Malaysia	G. Sykes (UK) H. Ohtaki (Japan)	M. Singh	250 (31)	Nobel Laureate: Y. T. Lee (Taiwan)
5th	1996	Guangzhou China	J. Reedijk (Netherlands)	Kui Wang Liang-Niang Ji	600 (39)	Nobel Laureate: J. M. Lehn (France)
6th	2000	Brunei Darussalam	J. Webb (Australia)	I. A. Rahman	150 (20)	Post-Conference Symposium in Bangkok (by Sirirat Kokpol, Thailand))
7th	2002	Karachi Pakistan	H. Ohtaki (Japan)	Atta-ur- Rahman	550 (37)	Postponed from November, 2001 Attendance of President Mussharaf
8th	2003	Hanoi Vietnam	Bertini (Italy)	Ho Si Thoang	800 (34)	Joint Conference with 10th Asian Chemical Congress Nobel Laureates: J.-M. Lehn (France), Y. T. Lee (Taiwan), and R. Noyori (Japan)
9th	2006	Antalya Turkey	H. Ohtaki (Japan)	Bilge Sener		Attendance of HRH Princess Prof. Dr. Chulabhorn Mahidol Nobel Laureate: R. HUBER (Germany)
10th	2008	Philippines	H. Ohtaki (Japan)	Fabian M.. Dayrit	490 (28)	Nobel Laureate: Aaron Ciechanover, B (Israel), Yuan Lee (USA) Hartmut Michel (Germany), and Ryori Noyori. (Japan)
11th	2010	Dead Sea Amman Jordan	Bernd Michael Rode (Austria)	Musa Nazer	600	Nobel Laureate: (UK) Jean- Marie Lehn (France) Walter Kohn (USA) Roger Tsien (USA)
12th	2012	Corfu Greece	Susumu Kitagawa	Nick Hadjiiladis	750 (55)	Nobel Laureate: Ada Yonath (Israel) Akira Suzuki (Japan)

INTERNATIONAL ORGANIZING COMMITTEE (IOC)

IOC:

Prof. Ivano Bertini, Italy, Founding member

Prof. B. Michael Rode , Austria, Founding member

Prof. Bilge Sener, Turkey

Prof. Susumu Kitagawa, Japan, Chairman of Eurasia-12

Prof. Fabian M. Dayrit, Philippines

Prof. Atta-ur-Rahman, Pakistan

Prof. Musa Z. Nazer, Jordan

Prof. Youngkyu Do, Secretary, Republic of Korea

IOC Fellows:

Prof. Gilbert Balavoine, France

Prof. Jan Reedijk, The Netherlands,

Prof. John Mark Webb, Australia

INTERNATIONAL ADVISORY BOARD (IAB)

Prof. Amal F. Al-Aboudi (Jordan)
Prof. Bambang Satiadji (Indonesia)
Prof. Bojana Jeliaskova (Bulgaria)
Prof. Chee-Cheong Ho (Malaysia)
Prof. Elena Milaeva (Russia)
Prof. Eugene V. Babaev (Russia)
Prof. Fernando Rull-Perez (Spain)
Prof. Franz Wimmer (Brunei Darussalam)
Prof. Giovanni Natile (Italy)
Prof. Harry B. Gray (USA)
Prof. Helmut Sigel (Switzerland)
Prof. Hian K. Lee (Singapore)
Prof. Ho Si Thoang (VietNam)
Prof. Jean-Marie Lehn (France)
Prof. Josef Barthel (Germany)
Prof. Kui Wang (China)
Prof. Large Pettersson (Sweden)
Prof. Leiv Sydnnes (Norway)
Prof. Liang-Nian Ji (China)
Prof. M. Mosihuzzaman (Bangladesh)
Prof. Masahiro Yamashita (Japan)
Prof. Maurizio Peruzzini (Italy)
Prof. Michitaka Ohtaki (Japan)
Prof. Myunghyun Paik Suh (Korea)
Prof. N. Jayaraman (India)
Prof. Nagao Kobayashi (Japan)
Prof. Nick Hadjiliadis (Greece)
Prof. Raji Heyrovská (Czech Republic)
Prof. Robert Huber (Germany)
Prof. S. Chandrasekaran (India)
Prof. Sung H. Kang (Korea)
Prof. Tamas Kiss (Hungary)
Prof. Toshio Yamaguchi (Japan)
Prof. Wolfgang Voelter (Germany)
Prof. Yizhak Marcus (Israel)
Prof. Yodhathai Thebtaranonth (Thailand)
Prof. Yuan T. Lee (Taiwan)

Emeritus Member Prof. Haruhiko Yokoyama (Japan)

LOCAL ORGANIZING COMMITTEE (LOC)

CHAIRMAN Nick Hadjiliadis, Emeritus Professor
Laboratory of Inorganic Chemistry, Department of Chemistry,
University of Ioannina, 45110 Ioannina, Greece.
Tel. xx30-26510-08420, Fax . xx30-26510-08794

nhadjis@uoi.gr

VICE CHAIRMAN: Triantafyllos Albanis, Professor,
Rector of the University
Department of Chemistry, University of Ioannina,
45110 Ioannina, Greece
Tel: xx30-26510-08348,
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VICE CHAIRMAN: George Varvounis, Associate Professor,
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Tel. xx30-26510-08382

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MEMBER: Agnie Kosma-Mylona, Professor
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Laboratory of Biochemistry, Department of Chemistry,
University of Ioannina, 45110 Ioannina, Greece.
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MEMBER: Marilena Lekka Professor
Laboratory of Biochemistry, Department of Chemistry,
University of Ioannina, 45110 Ioannina, Greece.
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mlekka@cc.uoi.gr

MEMBER: Athina Geronikaki, Associate Professor
Pharmaceutical Chemistry, Aristotle University of Thessaloniki, Greece
Tel. xx30-2310-997616

geronik@pharm.auth.gr

MEMBER: Gerasimos Malandrinos, Assistant Professor
Laboratory of Inorganic Chemistry, Department of Chemistry,
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MEMBER: Nikolaos Kourkouvelis Lecturer
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SECRETARY OF THE CONFERENCE: Sotiris Hadjikakou,
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Inorganic Chemistry Laboratory, Department of Chemistry,
University of Ioannina, 45110 Ioannina, Greece.
Tel. xx30-26510-08374, Fax .xx30-26510-08786

NATIONAL ORGANIZING COMMITTEE (NOC)

Professor E. Manesi-Zoupa (PATRAS)
Associate Professor A. Keramidas (NIKOSIA)
Professor P. Kordopatis (PATRAS)
Professor I. Matsoukas (PATRAS)
Professor Kalokerinos (ATHENS)
Professor T. Bakas (IOANNINA)
Associate Professor T. Mavromoustakos (ATHENS)
Assistant Professor G. Spyroulias (PATRAS)
Professor K. Tsipis (THESSALONIKI)
Professor A. Mylona-Kosmas (IOANNINA)
Assistant Professor A. Tsipis (IOANNINA)
Assistant Professor A. Filippopoulos (ATHENS)
Professor A. Efstathiou (NIKOSIA)
Lecturer J. Papaefstathiou (ATHENS)
Assistant Professor A. Tassiopoulos (NIKOSIA)
Professor M. Kontominas (IOANNINA-GREECE)
Professor S. Perlepes (PATRAS)
Professor F. Pomonis (IOANNINA)
Professor C. Patrikios (NIKOSIA)
Associate Professor A. Geronikaki (THESSALONIKI)

THE CITY AND THE UNIVERSITY OF IOANNINA

The Eurasia-12 conference on Chemical Sciences is organized by the University of Ioannina, Department of Chemistry and will take place at the Chandris in Corfu, Greece.

The University of Ioannina was founded in 1964 and it is a medium size, modern institution with Schools of Natural Sciences, Science and Technology, Medicine, Humanities, Education and Natural Resource and Enterprise Management.



The city of Ioannina, with a population of approximately 120,000 is the capital of the region of Epirus and spreads around the shores of lake Pamvotis. It is located 450 km northwest of Athens, 280 km southwest of Thessaloniki and 60 km east of the port of Igoumenitsa in the Ionian Sea. In a few hours driving distance, the visitor can enjoy both the beauty of the mountainous nature of Epirus as well as the magnificent seashores of the Ionian Sea.

The city of Ioannina was first mentioned in 527 AD by the historian Prokopios. The city flourished in time, becoming an important financial and cultural centre. During the Ottoman times it was referred to as the "Metropolis of knowledge".

Today, the city of Ioannina is a fast developing urban centre based on commerce, high quality services and culture. The city of Ioannina has also gained a reputation for its famous silver and jewellery craftsmanship.

The visitor may admire the castle, the lake with its picturesque island, the Byzantine Museum, the Cave at Perama, the Wax Museum of Vrellis, and the ancient theatre of Dodoni, which is dated from the 3rd century BC and where performances of ancient Greek tragedies take place every summer.

LIST OF PLENARY SPEAKERS**Date-Time**

16/4/12, 17.00-18.00pm	Prof. Akira Suzuki (Nobel Laureate) PL1 Convener: Nick Hadjiliadis
17/4/12, 8.00-9.00am	Prof. Ada Yonath (Nobel Laureate) PL2 Convener: Triantafyllos Albanis
17/4/12, 16.00-17.00pm	Prof. Ivano Bertini CERM PL3 Convener: Thomas Mavromoustakos
18/4/12, 8.30-9.30am	Prof. Suzumu Kitagawa PL4 Convener: Michitaka Ohtaki
18/4/12, 16.00-17.00pm	Prof. George Christou PL5 Convener: Spyrou Perlepes
20/4/12, 8.30-9.30am	Prof. Peter J. Sadler PL6 Convener: Zijian Guo
20/4/12, 13.00-14.00pm	Prof. Charalambos Kalodimos PL7 Convener: Dimitris Kessissoglou
21/4/12, 8.00-9.00am	Prof. Jim Thomas PL8 Convener: Victor Brabec
21/4/12, 9.00-10.00am	Prof. Bernd M. Rode PL9 Convener: Waro Nakanishi

CURRICULUM VITAE OF PLENARY LECTURERS

Plenary Lecturer 1 (PL1)**Akira Suzuki (Nobel Laureate)**

Professor Emeritus,
Hokkaido University,
Sapporo, Japan

Address: 3-2-905, Aino-sato 2-Jo,
6-Chome, Kita-ku, Sapporo, 002-8072
Japan

Tel: +81-11-778-7866 or +81-11-386-5670

E-mail: asuzuki@eng.hokudai.ac.jp



Date of Birth : 12 September 1930

Education: BS in Chemistry, 1954 (Hokkaido Univ.). Ph D in Chemistry, 1959 (Hokkaido Univ.). Postdoctoral, 1963-65 (Purdue Univ., U.S.A., Professor Herbert C. Brown).

Career to Date: Research Assistant, 1959 (Hokkaido Univ.). Associate Professor, 1961 (Hokkaido Univ.). Professor, 1973-94 (Hokkaido Univ.). Professor, 1994-95 (Okayama Univ. of Science). Professor, 1995-2002 (Kurashiki Univ. of Science and Arts). Invited Professors; 1988 (Univ. of Wales, UK), 2001 (Purdue Univ., USA), 2002-2003 (National Taiwan Univ. and Academia Sinica, Taiwan).

Publications: 341 Research Articles in Chemistry to International and Internal Journals (by April 2008).

Memberships: Chemical Society of Japan (Vice-president, Director, and Editorial Member of the Bulletin of the Chemical Society of Japan). Society of Synthetic Organic Chemistry, Japan (Director and President of Tohoku-Hokkaido Branch). American Chemical Society.

Awards and Honors: Weissberger-Williams Lectureship Award, 1986 (Eastman Kodak Co., USA). Testimonial, 1987 (Korean Chemical Society). Chemical Society of Japan Award, 1989 (Chemical Society of Japan). Professor Emeritus, 1994 (Hokkaido Univ.). DowElanco Lectureship Award, 1995 (Ohio State Univ., USA). Herbert C. Brown Lecturer Award, 2000 (Purdue Univ., USA). Weissberger-Williams Lectureship Award. 2001 (Eastman Kodak Co., USA). Distinguished Lecturer Award, 2001 (Queen's University, Canada and Pfizer Co., USA). Honorary Member, Argentine Organic Chemistry Society, 2001 (Argentina). Synthetic Organic Chemistry Japan Special Award, 2004 (Society of Synthetic Organic Chemistry, Japan). Japan Academy Award, 2004 (Japan Academy). Honorary Member of Chemical Society of Japan, 2005. Honorary Member of Synthetic Organic Chemistry, Japan, 2005. The Order of the Sacred Treasure, Gold Rays with Neck Ribbon, 2005 (Japanese Government). Distinguished Emeritus Professor, 2006 (Hokkaido University). Honorary Professor, 2006 (Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China).

Research Field: Synthetic Organic Chemistry

Plenary Lecturer 2 (PL2)**ADA YONATH (Nobel Laureate)****Education:**

1959-1962 B.Sc. Chemistry, Hebrew University, Jerusalem, Israel
1962-1964 M.Sc. Biochemistry, Hebrew University, Jerusalem, Israel
1964-1968 Ph.D. X-ray crystallography, Weizmann Institute (WIS), Israel
1969 Post Doctoral Fellow, Mellon Inst. Pittsburgh, Pa., USA
1970 Post Doctoral Fellow, Dept. of Chemistry, MIT, Cambridge, MA, USA

**Professional Experience:**

1989- Director, the Kimmelman Center for Biomolecular Assemblies, WIS
1988- Professor, Dept. of Structural Biology, WIS
1988-2004 Director, the Mazer Center for Structural Biology, WIS
1986-2004 Head, Max-Planck Research Unit, Hamburg, Germany
1992-1994 Chairperson, Dept. of Structural Biology, WIS
1989-1990 Chairperson, Dept. of Structural Chemistry, WIS
1984-1988 Associate Prof., Dept. of Structural Chemistry, WIS
1974-1983 Senior Scientist, Dept. of Structural Chemistry, WIS
1979-1983 Visiting Prof., Max-Planck Inst. for Mol. Genetics, Berlin, Germany
1978 summer Visiting Prof., Universidad Austral de Chile, Valdivia, Chile
1977-1978 Visiting Scientist, Biophysics, University of Chicago, IL, USA
1974 Visiting Scientist, Dental School, University of Alabama, USA

Consultant: The Open University, Israel

Lecturer, Tel-Aviv & Ben Gurion Uni, Israel

1970-1974 Scientist, Dept. of Chemistry, WIS

Member of the USA National Academy of Sciences Member of the Israeli Academy of Sciences and Humanities

Member of the European Academy of Sciences and Art Member of the European Molecular Biology Organization (EMBO)

Member of the American Academy of Art and Sciences

Member of the Korean Academy of Sciences and Technology

Member of the International Academy of Astronautics (IAA)

Member of the International Academy for Microbiology

Honors and Awards:

2011 – Honorary doctorate Oslo University
2011 – Honorary doctorate NYU, USA
2011 – Honorary doctorate Hebrew University
2011 – Honorary doctorate Fujou University, China
2011 – Honorary doctorate Open University, Israel
2011 – Cite of Florence Award
2011 – President of Panama Award
2011 – Maria Sklodowska-Curie Medal, Poland
2011 – Gold medal of distinction from India's Prime Minister
2010 – Wilhelm-Exner-Medaille, Vienna, Austria
2010– The Eminent Scientists Award of JSPS (Japan Society for promotion of Science)
2010 – Honorary Supreme Prof of KEK, Photon Factory, Tsukuba, Japan
2010 – Honorary doctorate, Bar-Ilan Uni., Israel
2009 – The Golden DESY Pin, Hamburg, Germany
2009 – Nobel Prize for Chemistry, Stockholm, Sweden 2

2009 – Erice Prize for Peace, Rome, the Vatican
 2008 – Albert Einstein World Award of science, Princeton University, NJ, USA.
 2008 – Honorary Doctorate, Oxford University, England
 2008 – The UNESCO-L'Oréal Award for European Woman in Life science, Paris
 2008 – The George E. Palade Gold Medal, Wayne State U. Medical School, Detroit, USA
 2008 – The Linus Pauling Gold Medal – Stanford, USA
 2007 – The American Chemical Society Luncheon in honor the Wolf Prize, Boston, USA
 2007 – The Wolf Prize, Jerusalem, Israel
 2007 – The Paul Ehrlich-Ludwig Darmstaedter Medal, Germany
 2006 – The Otto Loewy Lecture of the David Herzog Fund Medal, Graz, Austria
 2006 – The Israel Prime Minister EMET award
 2006 – The Rothschild Prize for Life Sciences
 2005 – Louisa Gross Horwitz Prize of Columbia University, NYC
 2005 – The Fritz Lipmann Lectureship, the German Biochemical Society, Berlin
 2005 – The Datta Lectureship Award, IUBMB, Budapest Hungary
 2004 – The Massry Foundation International Award and Medal for Ribosome Research
 2004 – The Paul Karrer Gold Medal, Zurich, Switzerland
 2003 – The Anfinsen Prize of the Protein Society, Boston, USA
 2003 – Medal of distinction, Israeli Chemical Society
 2003 – Honorary doctorate, Tel-Aviv Uni. Israel
 2002 – Honorary doctorate, Ben-Gurion Uni., Israel
 2002 – Harvey Prize for Natural Sciences, the Technion, Israel
 2002 – The Israel Prize for Chemical Research
 2002 – The F.A. Cotton Medal, the USA Chemical Society, USA
 2001 – Honorary Member of the Israeli Crystallographic Society
 2000 – National Institutes of Health (NIH) Certificate of Distinction, USA
 2000 – The Kilby International Award, USA
 2000 – The First European Crystallography Prize, Nancy, France
 1990 – Kolthof Award for outstanding research in Chemistry, Haifa, Israel
 1989 – Holder of Martin A. Kimmel Professorial Chair, Weizmann Inst., Israel
 1974 – Somach Sachs Award for Outstanding Work in Biochemistry
 1967 – Miphal Hapais Prize for Outstanding Graduate Studies

Editorial Boards:

EMBO J, EMBO Reports, ChemBioChem, Current protein & peptide science.

Membership in National and International Committees:

The Center of Excellence (I-CORE), Israel

The Davidson Institute for Scientific Education

The RNA Institute, Albany, New York

The National Supreme Committee for High Education (MALAG)

The National Advisory Committee for Vision of Science, Israel The Advisory Committee, Biological Functions (Life 2000), Academy of Finland

The International Committee for Synchrotron Radiation

The Principal Users Group (PUG), Argonne National Laboratory, USA The Principal Users Group at Cornell High Energy Synchrotron Source (CHESS), USA

The priority committee for synchrotron radiation in biology, ESRF, Grenoble

The Israeli Academy Committees for Synchrotron Radiation, Microgravity and Bikura (First) Fund

The Scientific Advisory committee of the Austrian Academy of Sciences (Biophysics and Nanosystems)

The Scientific Advisory committee of the Center for Structural Biology, Argonne National Laboratory, USA

The Scientific Advisory committee of the European Synchrotron Radiation Facility, Grenoble, France

Plenary Lecturer 3 (PL3)**Ivano Bertini**

University of Florence & Magnetic Resonance Center

Via Luigi Sacconi 6 - 50019 Sesto Fiorentino, Florence, ITALY

Tel. +39 0554574272 – Fax +39 0554574271

E-mail: bertini@cerm.unifi.it - Web site: www.cerm.unifi.it



Ivano Bertini was born in 1940 in Pisa, Italy, obtained the Italian degree of Doctor in Chemistry at the University of Florence in 1964 and then the Libera Docenza in 1969. He became full professor in General and Inorganic Chemistry in 1975 at the University of Florence where he is now. He received the Laurea Honoris Causa from the University of Stockholm in 1998, Ioannina in 2002 and Siena in 2003. Member of the Academia Europaea and of the Italian Accademia dei Lincei, he is or has been in the editorial staff or advisory board of about 20 among the most authoritative journals in chemistry, biochemistry and inorganic chemistry.

After the first studies on theoretical/physical inorganic chemistry, since 1975 he studied the structure-function relationship of metalloproteins through biophysical methods. Since 1990, he transformed his lab in an NMR lab for structural biology for metalloproteins, and eventually he pioneered the exploitation of genome data banks. He pursued the advancements of the technology for solution structure determination, particularly for paramagnetic metalloproteins, and developed specific software. He studied electron and nuclear relaxation from both experimental and theoretical points of view. He also established a molecular biology department for high throughput protein expression for structural genomics projects on metalloproteins. Finally, he started browsing genomes for pharmaceutical targets. He has published more than 650 research articles and has solved more than 150 structures of proteins. In 1999 he founded CERM - Center of Magnetic Resonance of the University of Florence hosting an impressive battery of NMR spectrometers. The Center constitutes a major NMR infrastructure in life sciences and it is an Infrastructure of the European and Italian roadmaps (INSTRUCT - www.structuralbiology.eu). Flanking institutions and spin off laboratories have flourished around CERM in the fields of biotechnology and drug discovery thanks to his inspiring action.

Plenary Lecturer 4 (PL4)**Susumu KITAGAWA****Date of birth:** July 4, 1951**Title:** Deputy Director

Professor, Dr. Eng.

Affiliation: Institute for Integrated Cell-Material Sciences

Department of Synthetic Chemistry and Biological Chemistry, Kyoto University

Katsura, Nishikyo-ku, Kyoto, 615-8510, Japan

Education:

1975-1979 Kyoto University, Graduate School, Hydrocarbon Chemistry, PhD degree

1971-1974 Kyoto University, Undergraduate course, Hydrocarbon Chemistry

Professional Appointments:

2007-present Deputy Director, Institute for Integrated Cell-Material Sciences, Kyoto University

1998-present Professor, Kyoto University, Department of Synthetic Chemistry & Biological Chemistry

1992-1998 Professor, Tokyo Metropolitan University, Department of Chemistry

1988-1992 Associate Professor, Kinki University, Department of Chemistry

1986-1987 Visiting Scientist, Department of Chemistry, Texas A & M University

F. A. Cotton Laboratory

1983-1988 Lecturer, Kinki University, Department of Chemistry

1979-1983 Assistant Professor, Kinki University, Department of Chemistry

**Plenary Lecturer 5 (PL5)****George Christou**

George Christou was born on the island of Cyprus, but grew up in London, England. After a PhD in organic chemistry at Exeter University, a postdoctoral fellowship at Manchester University, and a NATO fellowship at Stanford and Harvard Universities, he began his academic career at Imperial College, London, in 1982. He moved to Indiana University in 1983, where he stayed until 2001 when he became the Drago Professor of Chemistry at the University of Florida. His research is in the synthesis and study of 3d metal-oxo coordination clusters and their application to bioinorganic chemistry, supramolecular chemistry and nanoscale magnetic materials (single-molecule magnets, SMMs). He has published over 500 papers, with an H index of 76. He has had a longstanding fascination with



the Mn₄Ca cluster that is the oxygen-evolving complex (OEC) of plants and cyanobacteria, and has developed several generations of OEC model complexes over the years, the most recent being published in *Proc. Nat. Acad. Sci. USA* in early 2012. He has had a similarly longstanding interest in the magnetic phenomenon of single-molecule magnetism, the ability of individual molecules to function as nanoscale magnetic particles. These have potential applications in ultra-high-density information storage, quantum computing, spintronics, and other specialized areas. His group has discovered many of the currently known SMMs, of various nuclearities up to Mn₈₄, as well as developing methods for their controlled modification in a variety of useful ways. More recently, he has been applying principles of supramolecular chemistry to attain molecular ‘clusters-of-SMMs’, i.e., supramolecular aggregates of two or more SMMs with weak exchange coupling between them that leads to interesting quantum properties. His awards include an Alfred P. Sloan Fellowship (1987), a Camille and Henry Dreyfus Teacher-Scholar Award (1987), the RSC Corday-Morgan Medal (1986), a Wilshire Fellowship from the University of Melbourne (1993), the Dwyer Medal of the Australian Chemical Society (1993), a William Evans Fellowship from the University of Otago (1997), the ACS Akron Award (1997), the RSC Award for Chemistry and Electrochemistry of Transition Metals (2000), the ACS Florida Award (2008), and promotion to Distinguished Professor at the University of Florida (2011).

Plenary Lecturer 6 (PL6)

Professor Peter J. Sadler

Peter Sadler obtained his BA, MA and DPhil at the University of Oxford. Subsequently he was a Medical Research Council Research Fellow at the University of Cambridge and National Institute for Medical Research. From 1973-96 he was Lecturer, Reader and then Professor at Birkbeck College, University of London, and from 1996-2007 Crum Brown Chair of Chemistry at the University of Edinburgh. In June 2007 he took up a Chair in Chemistry at the University of Warwick and was Head of Department until 2010. He is a Fellow of the Royal Society of Edinburgh (FRSE) and the Royal Society of London (FRS), and a European Research Council Advanced Investigator. His research interests are centred on the chemistry of metals in medicine.



Plenary Lecturer 7 (PL7)**Prof. Charalambos Kalodimos**

Charalampos Kalodimos joined Rutgers University in 2004 where he is currently full professor. He trained in bioinorganic chemistry and NMR spectroscopy in University of Ioannina and Institut Curie, Paris. He then joined the group of Robert Kaptein at Utrecht University as a Postdoctoral Fellow, where he was introduced to the fascinating world of biomolecular NMR spectroscopy. The main research interests of his group are focused on the elucidation of the molecular and mechanistic basis of a wide range of important biological phenomena with the ultimate goal to understand, at the atomic level, the fundamental mechanisms underlying these biological processes. To this end, his group uses modern NMR spectroscopy methodologies complemented by many other biochemical and biophysical techniques to characterize the structural, dynamic and thermodynamic properties of biological systems and their interactions. He has received numerous awards including the Protein Society Young Investigator Award, the Biophysical Society Young Investigator Award, the New York Academy of Sciences Blavatnik Award and the Johnson & Johnson Discovery Award.

**Plenary Lecturer 8 (PL8)****Prof. Jim Thomas**

Jim Thomas received his first degree in chemistry from the University of Reading. Following a period of teaching - which included working in rural Africa through a contract with the UK aid charity VSO - his PhD research was carried out with Prof. Jon McCleverty at the University of Birmingham. He then took up a Royal Society European Fellowship in the lab of Prof. Jean-Marie Lehn in Strasbourg. He returned to the UK to work with Prof Chris Hunter, FRS at the University of Sheffield and then stayed in Sheffield when he was awarded a Royal Society University Research Fellowship. He became a permanent member of staff in 2004 and is currently a Reader in Coordination Chemistry. His research involves molecular recognition of anions, molecules and biomolecules, self-assembly, and the construction of functional molecular architectures.



Plenary Lecturer 9 (PL9)**Professor Dr. DDDDr.h.c. Bernd Michael RODE**

- 1946 born in Innsbruck/ Austria (14.7.)
- 1964 commencement of chemistry studies at LeopoldFranzens University of Innsbruck
- 1973 Ph.D. Chemistry ("sub auspiciis praesidentis")
- 1976 habilitation (assoc. prof.) for inorganic and theoretical chemistry, University of Innsbruck
- 1978 research stay University of Tokyo
- 1979 professor of inorganic and theoretical chemistry, University of Innsbruck to date: Head of Department of Theoretical Chemistry, Head of Institute for General, Inorganic and Theoretical Chemistry, LeopoldFranzens University of Innsbruck

**Publications**

- 7 monographies/ books; most recent: The Basics of Theoretical and Computational Chemistry, Wiley 2007
- more than 400 papers in international research journals

Research Interests

- *ab initio* quantum mechanical simulations of liquids / solutions
- electrolyte solution structure and dynamics
- Chemical Evolution of Peptides/ Proteins and Origin of Life

Visiting Professorships

University of Tokyo/ Japan, Technical University of Athens/ Greece, Tokyo Institute of Technology/ Japan, Mahidol University Bangkok/ Thailand, Chulalongkorn University Bangkok, Nagoya

University/ Japan, Chiba University/ Japan, Kanagawa University Yokohama/ Japan

Affiliations besides University

- Representative of Austrian University Rectors' Conference for South East Asia
- Representative of Austria, UN Commission "Science and Technology for Development" 1992 to date
- CoFounder, Austrian National Coordinator and European Coordinator of ASEANEuropean University Partnership Network (ASEAUNINET:30 European and 40 Asian Universities)
- President of UNCSTD (United Nations Commission Science and Technology forDevelopment), 2004-2005, VicePresident 2005-2006, 2006-2007
- Councillor, International Society for the Study of the Origin of Life, 2008

Awards and Decorations: several research awards, 4 honorary doctorate degrees, numerous Austrian and foreign decorations

PROGRAM OF LECTURES

16/4/2012, FIRST DAY	
9:00-10:00	
10:00-11:00	
11:00-12:00	REGISTRATION
12:00-13:00	REGISTRATION
13:00-14:00	REGISTRATION
14:00-15:00	REGISTRATION
15:00-16:00	REGISTRATION
16:00-17:00	REGISTRATION
17:00-18:00	OPENING CEREMONY
18:00-19:00	ROOM 1. PLENARY LECTURE, PL1
	Convener N. Hadjiliadis
PL1	Akira Suzuki (Nobel Laureate) Hokkaido University, Sapporo, Japan (E-mail: <i>asuzuki@eng.hokudai.ac.jp</i>) Cross-Coupling Reactions of Organoboron Compounds
19:30-22:00	Welcome Reception

SESSIONS OF EURASIA 12

- S1: Bioinorganic Chemistry, Room N^o 1
- S2: Pharmaceutical Chemistry and Drugs Design, Room N^o 2
- S3: Organic Synthesis and Natural Products, Room N^o 2
- S4: Environmental and Green Chemistry, Room N^o 3
- S5: Physical Chemistry and Spectroscopy, Room N^o 4
- S6: Theoretical and Computational Chemistry, Room N^o 4
- S7: Organometallic Chemistry and Catalysis, Room N^o 4
- S8: Clinical Biochemistry and Molecular Diagnostics, Room N^o 5
- S9: Coordination Chemistry and Inorganic Polymers, Rooms N^o 1, 3, 6
- S10: Analytical and Solution Chemistry, Room N^o 6
- S11: Supramolecular Chemistry and Nanomaterials, Room N^o 5
- S12: Food Chemistry, Room N^o 5
- S13: Chemical Education, Room N^o 2
- S14: Polymer Science, Room N^o 3
- GMS: General Mini Symposia, Room N^o 2

BIOINORGANIC CHEMISTRY

S1

ROOM 1, APRIL 17, 18, 20, 2012

PROGRAM OF LECTURES

17/4/2012, SECOND DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL2
	Convener T. Albanis
PL2	Ada Yonath (Nobel Laureate) <i>Department of Structural Biology, Weizmann Institute, Rehovot 76100, Israel</i> From basic science to improved antibiotics
	Session: Bioinorganic Chemistry, S1, Room 1
	Chair: M. Sigel- E-Farkas
9:00-9:30 S ₁ -OP1	H. Kozłowski , ^a M. Rowinska-Zyrek, ^a D. Witkowska, ^a D. Valensin ^b , S. Potocki ^a ^a <i>Faculty of Chemistry, University of Wrocław, F. Joliot-Curie 14, 50-383 Wrocław, Poland</i> (henryk.kozlowski@chem.uni.wroc.pl) ^b <i>Department of Chemistry, University of Siena, Via Aldo Moro, 53100 Siena, Italy</i> Ni(II) vs. Zn(II) competition for bacterial chaperones
9:30-10:00 S ₁ -OP2	Hanadi F. Sleiman , <i>Department of Chemistry, McGill University, 801 Sherbrooke Street West, Montreal, QC H3A 2K6, Canada</i> Assembling Metals with DNA as the Guide
10:00-10:20 S ₁ -OP3	Pablo J. Sanz Miguel , ^{a,b} Francisca M. Albertí, ^a Susana Ibáñez, ^a Witold Zielinski, ^a Bernhard Lippert ^a ^a <i>Fakultät Chemie, Technische Universität Dortmund, 44221 Dortmund (Germany)</i> ^b <i>Departamento de Química Inorgánica, Instituto de Síntesis Química y Catálisis Homogénea (ISQCH), Universidad de Zaragoza – CSIC, 50009 Zaragoza, Spain.</i> 3D Pd,Pt-Purine Nucleobase Constructs as Anion Hosts
10:20-10:40 S ₁ -OP4	D. Altunöz Erdoğan ^a , S. Özalp-Yaman ^a , B. S. İsgör ^a ^a <i>Chemical Engineering and Applied Chemistry, Atılım University, Ankara, Turkey</i> DNA Binding and Electrochemical Studies of Novel Platinum Complexes Containing Oxime Derivatives
11:40-11:10 S ₁ -OP5	V. Brabec <i>Institute of Biophysics, Academy of Sciences of the Czech Republic, v.v.i., Kralovopolska 135, CZ-61265 Brno, Czech Republic and Department of Biophysics, Faculty of Science, Palacký University, 17. listopadu 12, CZ-77146 Olomouc, Czech Republic</i> Unique DNA Binding Mode of Antitumor Trinuclear Tridentate Pt^{II} Compound
11:10-11:40	COFFEE BREAK
	Chair: T. Kiss - Pablo J. Sanz Miguel
11:40-12:10 S ₁ -OP6	Jan Reedijk , ^{a,b} ^a <i>Leiden Institute of Chemistry, Leiden University, P.O. Box 9502, 2300 RA Leiden, The Netherlands</i> ^b <i>Department of Chemistry, King Saud University, P.O. Box 2455, Riyadh 11451, Saudi Arabia</i> Bifunctionality in Pt-DNA interactions: a route to improved anticancer drugs
12:10-12:30 S ₁ -OP7	J. Schnabl and R.K.O. Sigel <i>University of Zurich, Institute of Inorganic Chemistry, 8057 Zurich, Switzerland</i> Ion-π Interactions in RNA and DNA Structures
12:30-13:00 S ₁ -OP8	Raji Heyrovska ^a <i>Institute of Biophysics, Academy of Sciences of the Czech Republic, Czech Republic.</i> New insight into DNA damage by cisplatin at the atomic scale
13:00-14:30	LUNCH
14:30-16:00	POSTER SESSION

16:00-17:00	ROOM 1. PLENARY LECTURE, PL3
	Convener T. Mavromoustakos
PL3	Ivano Bertini, CERM, <i>University of Florence, Florence,</i> Protein-protein interactions in life processes
	Chair: J. Reedijk-H. Kozlowski
17:00-17:30 S ₁ -OP9	Zijian Guo <i>^a School of Chemistry, State Key Lab of Coordination Chemistry, Nanjing University, Nanjing, China</i> Molecular Design of Platinum-Based Anticancer Complexes and Biological Zinc Sensors
17:30-17:55 S ₁ -OP10	A. Salifoglou^a <i>^a Department of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki, 54124, Greece</i> Advancements of Aqueous Binary and Ternary Vanadium Chemistry with Physiological Substrates in Insulin Mimesis
17:55-18:25	COFEE BREAK
	Chair: V. Brabec- G. Mugesh
18:25-18:55 S ₁ -OP11	Giovanni Natile <i>Dipartimento Farmaco-Chimico, University of Bari "A. Moro", Bari, Italy</i> New Insights in the Mechanism of Action and Transport of Platinum Drugs
18:55-19:20 S ₁ -OP12	T. Kiss^{1,2} , T. Jakusch ¹ , É. Sija ¹ , É.A. Enyedy ¹ , C.G. Hartinger ³ and B.K. Keppler ³ <i>¹ Department of Inorganic and Analytical Chemistry, University of Szeged, Szeged, Hungary</i> <i>² Bioinorganic Chemistry Reserach Group of Hungarian Academy of Sciences, University of Szeged, Szeged, Hungary,</i> <i>³. Institute of Inorganic Chemistry, University of Vienna, Vienna, Austria</i> Biospeciation of anticancer Ru(II,III) compounds

18/4/2012 THIRD DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 4
	Convener Michitaka Ohtaki
PL4	Susumu Kitagawa <i>Institute for Integrated Cell-Material Sciences, Kyoto University, and Department of Synthetic Chemistry and Biological Chemistry, Kyoto University, Katsura, Nishikyo-ku, Kyoto, 615-8510, Japan Japan;</i> Evolution of Porous Coordination Polymers/Metal-Organic Frameworks
	Session: Bioinorganic Chemistry S1 Room 1
	Chair: H. Sleiman - Z. Guo
9:30-10:00 S ₁ -OP13	B.Lippert , ^a L.Yin, ^a S.Siebel, ^a G.Kampf, ^a P.Brandi Blanco, ^a W.-Z.Shen, ^a P.J.Sanz Miguel ^{a,b} ^a <i>Faculty of Chemistry, TU Dortmund, 44221 Dortmund, Germany</i> ^b <i>Departamento de Química Inorgánica, Universidad de Zaragoza-CSIC, 50009 Zaragoza</i> A New Twist in Aqueous Cisplatin Chemistry: Intermolecular Condensation Reactions Between Pt-OH and Pt-NH₃ Ligands
10:25-10:50 S ₁ -OP14	A. Tamilselvi, M. Umayal and Govindasamy Mugesh <i>Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore-560012, India</i> Zinc Hydrolases in Antibiotic Resistance and Inactivation of Organophosphate Esters
10:50-11:10 S ₁ -OP15	G.T. Kazimi ^a , M.S. Iqbal ^b , M. Sher ^c ^a <i>Department of Chemistry, University of Sargodha, Pakistan (gohartaqi@hotmail.com)</i> ^b <i>Department of Chemistry, Forman Christian College, Lahore, Pakistan</i> ^c <i>Department of Pharmacy, University of Sargodha, Pakistan</i> Evaluation of Microscopic FTIR for Characterization of Electrophoretically Separated Serum Protein Bands on Cellulose Acetate Paper
11:10-11:40	COFFEE BREAK
	Chair: O. Yaman-G.Natile
11:40-12:10 S ₁ -OP16	John H. Dawson , Shengfang Sun, Chunxue Wang, Jing Du, Xiao Huang, Lukasz Lebiada, and Masanori Sono <i>Department of Chemistry and Biochemistry, University of South Carolina, Columbia, SC 29208 USA</i> Dioxygen Binding and Peroxide Activation by the Globin Peroxidase Amphitrite ornata Dehaloperoxidase, by Myoglobin, and by their Proximal and Distal Side Mutants
12:10-12:35 S ₁ -OP17	A. Tarushi, G. Psomas, V. Tangoulis, D. P. Kessissoglou <i>Department of General & Inorganic Chemistry, Faculty of Chemistry, Aristotle University of Thessaloniki, 54124 Thessaloniki, GREECE</i> Structural, Magnetic and Biological Aspects of Metallacrown and Metallacrylate Compounds
12:35-13:00 S ₁ -OP18	I. Sóvágó <i>Department of Inorganic and Analytical Chemistry, University of Debrecen, H-4010 Debrecen, P.O. Box 21, Hungary</i> Mixed Metal Complexes of the Peptide Fragments of Prion Protein and Related Ligands
13:00-14:00	LUNCH
14:30-16:00	POSTER SESSION

16:00-17:00	ROOM 1. PLENARY LECTURE, PL 5
	Convener : S. Perlepes
PL5	G. Christou , ^a Tu N. Nguyen, ^a Khalil A. Abboud, ^a and Wolfgang Wernsdorfer ^b ^a <i>Department of Chemistry, University of Florida, Gainesville, Florida 32611, USA</i> ^b <i>Institut Néel-CNRS, 38042 Grenoble, Cedex 9, France</i> Supramolecular Aggregation of Manganese Clusters: Linkage of Single-Molecule Magnets into Rectangles and Other Motifs
	Session: Bioinorganic Chemistry S1 Room 1
	Chair: D Kessisoglou-G.D. Kazimi
17:00-17:25 S ₁ -OP19	Helmut Sigel , Astrid Sigel University of Basel, Department of Chemistry, Inorganic Chemistry, Spitalstrasse 51, CH-4056 Basel, Switzerland The Hydroxyl Group Is a Surprisingly Versatile Metal Ion-Binding Site !!
17:25-17:50 S ₁ -OP20	E. Farkas , O. Szabó <i>Department of Inorganic and Analytical Chemistry, University of Debrecen, Egyetem tér 1, Debrecen, Hungary</i> Bioinspired Investigation on Metal Ion – Hydroxamate systems
17:50-18:20	COFFEE BREAK
18:20-18:40 S ₁ -OP21	Marios Stylianou, ¹ Vladimiro A. Nikolakis, ² Ioannis Papazoglou, ² Tamas Jakusch, ³ Tiverios Vaimakis, ² Tamas Kiss, ³ Michael P. Sigalas, ⁴ Anastasios D. Keramidas, ¹ and <u>Themistoklis A. Kabanos</u> ² ¹ <i>Department of Chemistry, University of Cyprus, Nicosia 1678, Cyprus</i> ² <i>Department of Chemistry, Section of Inorganic and Analytical Chemistry, University of Ioannina, Ioannina 45110, Greece.</i> ³ <i>Department of Inorganic and Analytical Chemistry, University of Szeged, Szeged, Hungary</i> ⁴ <i>Department of Chemistry, Laboratory of Applied Quantum Chemistry, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece</i> Molybdenum(VI) Coordination Chemistry of the N,N-Disubstituted Bis-(hydroxylamino)-1,3,5-triazine Ligand, 2,6- Bis[hydroxy(methyl)amino]-4-morpholino-1,3,5-triazine (H ₂ bihyat)
18:40-19:05 S ₁ -OP22	Yau-Tsz Lai , Ligang Hu, Tianfan Cheng, Wei Xia, Hongzhe Sun* Department of Chemistry, The University of Hong Kong, Pokfulam Road, Hong Kong, P. R. China Seeing is Believing: Tracking Metalloproteins by Fluorescent probe <i>in vivo</i> and <i>in vitro</i>
19:05-19:30 S ₁ -OP23	E.R. Milaeva ^{ab} , D.B. Shpakovsky ^a , S.I. Orlova ^a , E.F. Shevtsova ^b , N.S. Zefirov ^{ab} ^a <i>Organic Chemistry Department, Moscow State Lomonosov University, Lenin Hill, Moscow, Russia.</i> ^b <i>Institute of Physiologically Active Compounds of RAS, Chernogolovka, Moscow Region, Russia</i> Target-Focused Design and Synthesis of Metal-Based Physiologically Active Compounds as Cellular Protectors under Oxidative Stress Conditions

20/4/2012 FIFTH DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 6
	Convener Z. Guo
PL6	P.J. Sadler <i>Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK</i> Organometallic and Photoactivatable Precious Metal Anticancer Complexes
	Session: Bioinorganic Chemistry S1 Room1
	Chair: E Milaeva-T. Salifoglou
9:30-9:55 S ₁ -OP24	A. Keramidas* , ^a M. Stylianou, ^a C. Drouza ^b ^a <i>Department of Chemistry, University of Cyprus, Nicosia 1678, Cyprus.</i> Email: akeramid@ucy.ac.cy ^b <i>Agricultural Production and Biotechnology and Food Science, Cyprus University of Technology, Lemesos 3603, Cyprus</i> Hydroquinone/p-Semiquinone/p-Quinone Metal Complexes: Bioinorganic Models of Metal Catalyzed O₂/H₂O₂/H₂O Redox Processes
9:55-10:20 S ₁ -OP25	A.Latif Abuhijleh Chemistry Department, Birzeit University, P.O.Box 14, Birzeit-West Bank, Palestine Superoxide Dismutase and Oxidase Activities of Copper(II) Complexes of the Anti-inflammatory Drug Ibuprofen with Imidazoles and Pyrazole
10:20-10:40 S ₁ -OP26	I. Kreicbergs , I. Dreyer, L. Berzina-Cimdina, S. Bulina <i>Institute of General Chemical Engineering, Riga Technical University, Azenes Str. 14/24, Riga, Latvia,</i> HAp synthesis – processes on Ca(OH)₂ grain surface
10:40-11:00 S ₁ -OP27	A.Dubnika^a , D.Loca ^a , A.Reinis ^b , L.Berzina-Cimdina ^a , A. Miglane ^c ^a <i>Riga Biomaterials Innovation and Development Center, Riga Technical University Pulka str. 3/3, Riga, Latvia arita.dubnika@rtu.lv</i> ^b <i>Department of Biology and Microbiology, Riga Stradins University, Riga, Latvia</i> ^c <i>Faculty of Chemistry, University of Latvia, Riga, Latvia</i> Preparation and antibacterial properties of silver doped hydroxyapatite scaffolds
11:00-11:20 S ₁ -OP28	V.Zalite^a , J.Locs ^a , I.Freimanis ^a , L.Berzina-Cimdina ^a ^a <i>Riga Biomaterials Innovation and Development Centre, Riga Technical University, Pulka street 3/3, Riga, Latvia</i> Bioceramic Calcium Phosphate granules and their properties
11:20-11:50	COFFEE BREAK
11:50-12:10 S ₁ -OP29	F. Bellia^a , G. Grasso, ^b F. Guarino, ^b V. De Pinto, ^b E. Rizzarelli ^{a,b} ^a <i>Institute of Biostructure and Bioimaging, CNR, viale A. Doria 6, Catania, Italy (fbellia@unict.it)</i> ^b <i>Department of Chemical Sciences, University of Catania, viale A. Doria 6, Catania, Italy</i> The important role of human serum carnosinase in neurodegeneration
11:50-13:00	
13:00-14:00	ROOM 1. PLENARY LECTURE, PL 7
	Convener D Kessisoglou
PL7	C.G. Kalodimos^a ^a <i>Department of Chemistry & Chemical Biology, Rutgers University, 599 Taylor Rd, Piscataway, NJ 07869, USA</i> Structural and Dynamic Basis for the Assembly of Large Protein Machineries by NMR
	FREE AFTERNOON

POSTER SESSION
BIOINORGANIC CHEMISTRY S1

S₁-PP1	<p>Synthesis and Characterization of Co^{II}, Ni^{II}, Cu^{II} and Zn^{II} Cation Complexes with Arginine. Investigation of Their Biological Properties D.A. Köse^a, A. Kaşarçı^a, G.A. Avci^b, E. Avci^c, O. Şahin^d, O. Büyükgüngör^d ^aHitit University, Faculty of Art and Science, Department of Chemistry, 19030 Çorum, Turkey ^bHitit University, Medical Science School, 19000, Çorum, Turkey ^cHitit University, Faculty of Art and Science, Department of Biology, 19030 Çorum, Turkey ^dOndokuz Mayıs University, Faculty of Art and Science, Department of Physics, 55139 Samsun, Turkey</p>
S₁-PP2	<p>Study of the reaction between Molybdenum and hydrogen peroxide, isolation and characterization of the dominant complexes A. Galani¹, V. Tsitsias¹, E. Efthimiadou², A. Karaliota^{1*} ¹Department of Chemistry, University of Athens, Panepistimioupoli 15771, Athens, Greece, ²Institute of Physical Chemistry, NCSR 'Demokritos', GR-15310 Aghia Paraskevi Attikis, Greece</p>
S₁-PP3	<p>A High Yield Synthesis of Molybdenum and Tungsten Porphyrins: Catalyzing Conversion of Benzenethiolate to Benzenesulfonate by Dioxygen Goutam Nandi and Sabyasachi Sarkar^a ^aDepartment of Chemistry, Indian Institute of Technology Kanpur, Kanpur-208016, India E-mail: goutamn@iitk.ac.in</p>
S₁-PP4	<p>Synthesis of di-magnesium complexes as artificial ribonucleases Noel Byrne,^a Andrea Erxleben,^a ^aSchool of Chemistry, NUI Galway, University Road, Galway, Republic of Ireland, n.byrne1@nuigalway.ie</p>
S₁-PP5	<p>Deiodination of Thyroid Hormones by Iodothyronine Deiodinase Mimics: Role of Chalcogen and Halogen Bonding Debasish Manna and Govindasamy Mugesh* Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore-560012, India E-mail: dmanna@ipc.iisc.ernet.in</p>
S₁-PP6	<p>Heteronuclear NMR to study RNA-metal ion binding D. Donghi, M. Pechlaner and R.K.O. Sigel Institute of Inorganic Chemistry, University of Zurich, Winterthurerstrasse 190, CH-8057 Zurich, Switzerland daniela.donghi@aci.uzh.ch</p>
S₁-PP7	<p>Phosphate Monoester Hydrolysis by Zirconium(IV) Complexes Fergal Coleman and Andrea Erxleben School of Chemistry, National University of Ireland, Galway (Ireland); Andrea.Erxleben@nuigalway.ie</p>
S₁-PP8	<p>Rhenium (I) complexes containing α-diimine ligands: Synthesis, characterization, DNA binding and cytotoxicity studies. M. Kaplanis,^a Z. Patinioti,^a M. Paravatou,^b C.A. Mitsopoulou^a ^aChemistry Department, Inorganic Laboratory, University of Athens, Panepistimiopolis Zografou, Athens 15771, Greece (m_kaplanis@chem.uoa.gr). ^bInstitute of Radioisotopes & Radiodiagnostic Products, NCSR Demokritos, Athens 15310, Greece.</p>
S₁-PP9	<p>DNA Modifications by Monodentate Pt^{II}-acridine Antitumor Compounds, Recognition and Repair of These Modifications. Relations to Antitumor Effects J. Kasparkova, V. Brabec Institute of Biophysics, Academy of Sciences of the Czech Republic, v.v.i., Kralovopolska 135, CZ-61265 Brno, Czech Republic and Department of Biophysics, Faculty of Science, Palacky University, 17. listopadu 12, CZ-77146 Olomouc, Czech Republic</p>
S₁-PP10	<p>Ni(II) complexes with the non-steroidal antiinflammatory drug diclofenac: structure, DNA- and albumin binding M. Kyropoulou,^a V. Psycharis,^b C.P. Raptopoulou,^b G. Psomas^a ^aDepartment of General and Inorganic Chemistry, Faculty of Chemistry,</p>

	<p><i>Aristotle University of Thessaloniki, GR-54124 Thessaloniki, GREECE. myrto_kyr@hotmail.com</i> <i>^bInstitute of Materials Science, NCSR "Demokritos", GR-15310 Aghia Paraskevi Attikis, GREECE</i></p>
S₁-PP11	<p>Pyridine and imidazole aminophosphonates-coordination properties in solution. <u>M. Pyrkosz</u>,^a E. Gumienka-Kontecka,^a W. Goldman^b ^a <i>Faculty of Chemistry, University of Wrocław, F.Joliot-Curie 14,50-383 Wrocław, Poland (monika.pyrkosz@chem.uni.wroc.pl)</i> ^b <i>Department of Organic Chemistry, Faculty of Chemistry, Wrocław University of Technology, Wybrzeże Wyspiańskiego 27, 50-370 Wrocław, Poland</i></p>
S₁-PP12	<p>The impact of molecular interactions on the formation of the tetra-iodide anions. <u>Anita M. Owczarzak</u>^{a,b}, Maciej Kubicki^a, Sotiris K. Hadjikakou^b ^a <i>Faculty of Chemistry, Adam Mickiewicz University, Grunwaldzka 6, 60-780 Poznań, Poland,</i> ^b <i>Section of Inorganic and Analytical Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece</i></p>
S₁-PP13	<p>Synthesis and Characterization of New Antimony(III) Bromide Complex with 3-methyl-2-mercaptobenzothiazole and Biological Activity of Some Antimony(III) Bromide Complexes with Thioamides <u>I.I.Ozturk</u>^{a,b}, A.K.Metsios^d, S.K.Hadjikakou^b, M.Manos^c, A.J.Tasiopoulos^c, S.Karkabounas^d, N.Hadjiliadis^b ^a <i>Section of Inorganic Chemistry Department of Chemistry, Namik Kemal University, Tekirdag, Turkey</i> ^b <i>Section of Inorg. and Anal. Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece</i> ^c <i>Department of Chemistry, University of Cyprus, 1678 Nicosia, Cyprus</i> ^d <i>Department of Experimental Physiology, Medical School, University of Ioannina, Ioannina, Greece</i> <i>(E-mail: shadjika@uoi.gr, iiozturk@nku.edu.tr)</i></p>
S₁-PP14	<p>Synthesis, Characterization and Biological Studies of New Antimony(III) Halide Complexes with ω-thiocaprolactam <u>I.I.Ozturk</u>^{a,b}, C.N.Banti^{b,c}, M.J.Manos^d, A.J.Tasiopoulos^d, N.Kourkoumelis^e, K.Charalabopoulos^{c,f}, S.K.Hadjikakou^b ^a <i>Section of Inorganic Chemistry Department of Chemistry, Namik Kemal University, Tekirdag, Turkey</i> ^b <i>Section of Inorg. and Anal. Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece</i> ^c <i>Department of Experimental Physiology, Medical School, University of Ioannina, Ioannina, Greece</i> ^d <i>Department of Chemistry, University of Cyprus, 1678 Nicosia, Cyprus</i> ^e <i>Medical Physics Laboratory, Medical School, University of Ioannina, Ioannina, Greece</i> ^f <i>Department of Experimental Physiology, Medical School, University of Ioannina, Ioannina, Greece</i> ^f <i>Department of Physiology, Democritus University Medical School, Greece.</i> <i>(E-mail:shadjika@uoi.gr, iiozturk@nku.edu.tr)</i></p>
S₁-PP15	<p>Mn(II) complexes of mefenamic acid:Crystal structure and interaction with biomolecules <u>G. Psomas</u>,^a F. Dimiza,^a V. Psycharis,^b C.P. Raptoupoulou,^b ^a <i>Department of General and Inorganic Chemistry, Faculty of Chemistry, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, GREECE. gepsomas@chem.auth.gr</i> ^b <i>Institute of Materials Science, NCSR "Demokritos", GR-15310 Aghia Paraskevi Attikis, GREECE</i></p>
S₁-PP16	<p>The impact of Ca(OH)₂ suspension concentration on hydroxyapatite synthesis <u>M. Sokolova</u>,^a I. Kreicbergs^b, V. Zalite,^a L. Berzina-Cimdina^a, ^a <i>Riga Biomaterials Innovation and Development Centre, Riga Technical University, Pulka Str. 3/3, Riga, LV-1007, Latvia;</i> ^b <i>Riga Technical University, Faculty of Materials Science and Applied Chemistry, Institute of General Chemical Engineering, Azenes Str. 14/24, Riga, LV-1048, Latvia; marina.sokolova@rtu.lv.</i></p>

S₁-PP17	<p>Inverse copper metallacrowns hosting non-steroidal anti-inflammatory drugs with biological aspects</p> <p><u>A. Tarushi</u>^a, C.P. Raptopoulou,^b V. Psycharis,^b V. Tangoulis,^a G. Psomas,^a D.P. Kessissoglou^a</p> <p>^aDepartment of General and Inorganic Chemistry, Faculty of Chemistry, Aristotle University of Thessaloniki, P.O. Box 135, GR-54124 Thessaloniki, GREECE. atarushi@chem.auth.gr</p> <p>^b Institute of Materials Science, NCSR "Demokritos", GR-15310 Aghia Paraskevi Attikis, GREECE.</p>
S₁-PP18	<p>Structure and biological properties of the zinc(II) metallacrown hosting naproxen</p> <p><u>X. Totta</u>^a, T. Alketa,^a C.P. Raptopoulou,^b V. Psycharis,^b G. Psomas,^a D.P. Kessissoglou^a</p> <p>^aDepartment of General and Inorganic Chemistry, Faculty of Chemistry, Aristotle University of Thessaloniki, P.O. Box 135, GR-54124 Thessaloniki, GREECE. xanthtotta@yahoo.gr</p> <p>^b Institute of Materials Science, NCSR "Demokritos", GR-15310 Aghia Paraskevi Attikis, GREECE.</p>
S₁-PP19	<p>Cobalt(II) complexes with non-steroidal anti-inflammatory drugs: Structure and interaction with DNA and albumins</p> <p><u>S. Tsiliou</u>^a, L. Kefala,^a F. Perdih,^b I. Turel,^b D.P. Kessissoglou,^a G. Psomas,^a</p> <p>^aDepartment of General and Inorganic Chemistry, Faculty of Chemistry, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, GREECE. softatsi89@hotmail.com</p> <p>^b Faculty of Chemistry and Chemical Technology, University of Ljubljana, Askerceva 5, 1000 Ljubljana, SLOVENIA.</p>
S₁-PP20	<p>Synthesis, Characterization, Crystal Structure and Cytotoxicity of Antimony (III) Chloride Complex with N,N-Dicyclohexyldithiooxamide</p> <p>I.I.Ozturk^{a,b}, <u>O.S.Urgut</u>^a, C.N.Banti^{b,c}, K.Charalabopoulos^{c,e}, A.M.Owczarzak^d, M.Kubicki^d, S.K.Hadjikakou^b</p> <p>^aDepartment of Chemistry, Namik Kemal University, 59030, Tekirdag, Turkey,</p> <p>^b Section of Inorganic and Analytical Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece,</p> <p>^c Department of Experimental Physiology, Medical School, University of Ioannina, 45110 Ioannina, Greece</p> <p>^d Faculty of Chemistry, Adam Mickiewicz University, Grunwaldzka 6, 60-780 Poznan, Poland</p> <p>^e Department of Physiology, Democritus University Medical School, Greece. (E-mail:shadjika@uoii.gr, iiozturk@nku.edu.tr)</p>
S₁-PP21	<p>Structure and biological evaluation of manganese(II) complexes with non-steroidal anti-inflammatory drug tolfenamic acid</p> <p><u>M. Zampakou</u>^a, N. Rizeq,^a F. Perdih,^b I. Turel,^b V. Tangoulis,^a G. Psomas,^a</p> <p>^a Department of General and Inorganic Chemistry, Faculty of Chemistry, Aristotle University of Thessaloniki</p> <p>GR-54124 Thessaloniki, GREECE. marianthe_z@hotmail.com</p> <p>^b Faculty of Chemistry and Chemical Technology, University of Ljubljana, Askerceva 5, 1000 Ljubljana, SLOVENIA.</p>
S₁-PP22	<p>New mixed ligands Cu(I) complexes with 4-hydroxy-2-mercapto-6-methylpyrimide or 6-methyl-2-mercaptopyrimidine and triphenylphosphine. Study of the Cu(I)-catalyzed intramolecular cyclopropanation of iodine</p> <p><u>Diogenis Charalampou</u>^a, Dimitra Kalpogiannaki^b, Vasw Dokorou^{a,c}, L. Hadjirapoglou^b and Sotiris Hadjikakou^a</p> <p>^a Section of Inorganic and Analytical Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece, ^b Section of organic Chemistry, Department of Chemistry, University of Ioannina, Greece, ^c X-ray Unit, Department of chemistry, University of Ioannina, Greece</p>
S₁-PP23	<p>NEW MIXED LIGAND SILVER(I) COMPLEX WITH NAPROXEN AND TRIPHENYLPHOSPHINE LIGANDS WHICH CAN BIND TO LOX AND CT-DNA, MODULATING THEIR FUNCTION. STUDY OF ITS CYTOSTATIC ACTIVITY</p> <p><u>A.D. Giannoulis</u>^a, C.N. Banti^{a,d}, N. Kourkoumelis^b, A.M. Owczarzak^c, M. Kubicki^c, K. Charalabopoulos^{d,e}, S.K. Hadjikakou^a</p> <p>^a Section of Inorganic and Analytical Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece; ^b Medical Physics Laboratory, Medical School, University of Ioannina; ^c Department of Chemistry, A. Mickiewicz University, Poznan,</p>

	Poland. ^d Department of Experimental Physiology, Medical School, University of Ioannina Greece; ^e Department of Physiology, Democritus University Medical School, Greece.
S₁-PP24	Kinetics and Mechanisms of the Chromium(III) reactions with various Dihydroxy-phenyl derivatives of biological importance <u>Athinoula L. Petrou</u> and Patrina Paraskevopoulou, Inorganic Chemistry Laboratory, University of Athens, Athens 15771, Greece,
S₁-PP25	Interactions of Zn(II) and Cu(II) ions with a small peptide modeling the N-terminal of the tau-protein. Z. Fragouli and <u>G. Malandrinos</u> <i>University of Ioannina, Department of Chemistry, 45110, Ioannina, Greece</i>
S₁-PP26	Synthesis, characterization, and pharmacological evaluation of Cu (II) and Zn (II) complexes of levofloxacin. Anastasia Galani, Eleni K. Efthimiadou[§], George Mitrikas[§], Alexandra Karaliota* <i>*Department of Inorganic Chemistry, Faculty of Chemistry, National University of Athens, Panepistimioupoli Zographou, GR-15701 Athens, Greece.</i> <i>[§]Institute of Materials Science, NCSR 'Demokritos', GR-15310 Aghia Paraskevi Attikis, Greece.</i>

PHARMACEUTICAL CHEMISTRY AND DRUGS DESIGN

S2

ROOM 2, APRIL 17, 2012

PROGRAM OF LECTURES

17/4/2012, SECOND DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL2
	Convener T. Albanis
PL2	Ada Yonath (Nobel Laureate) <i>Department of Structural Biology, Weizmann Institute, Rehovot 76100, Israel</i> From basic science to improved antibiotics
	Session: Pharmaceutical Chemistry and Drugs Design, S2, Room 2
	Chair: F.P. Fanizzi-B.S. Isgor
9:00-9:30 S ₂ -OP1	Berghuis, [‡] J. W. De Schutter, [§] A. Langille, [§] C. Y. Leung, [§] Y.-S. Lin, [§] J. Park [‡] J. Poirier, [†] M. Sebag, [¶] Y.S. Tsantrizos, ^{§‡} [§] Department of Chemistry, McGill University, 801 Sherbrooke Street West, Montreal, QC, Canada H3A 2K6. [‡] Department of Biochemistry, McGill University, 3649 Promenade Sir William Osler, Montreal, QC H3G 0B1. [†] Psychiatry and Medicine, McGill University and Molecular Neurobiology, Douglas Mental Health University Institute, 6875 Lasalle, Verdun, QC, Canada H4H 1R3. [¶] Faculty of Medicine, Division of Haematology, McGill University Health Center, Royal Victoria Hospital, C6.80, 687 Pine Av W, Montreal, QC, Canada H3A 1A1 Novel Inhibitors of Prenyl Synthase Enzymes as Potential Therapeutics
9:30-10:00 S ₂ -OP2	Denis Hadjiliadis MD, MHS <i>Division of Pulmonary, Allergy and Critical Care, University of Pennsylvania,</i> Program Director, Adult Cystic Fibrosis, Philadelphia, PA, 19104 Small Molecules for the repair of the Basic Defect in Cystic Fibrosis
10:00-10:25 S ₂ -OP3	Wafaa M. Abdou,* and Azza A. Kamel <i>Chemical Industries Division, National Research Centre, Elbohouth St., Dokki, Cairo, Egypt</i> Bisphosphonates and Bisphosphoric-Acids are corner stones for Calcium-Related Disorders
10:25-11:55 S ₂ -OP4	Alexandra Primikiry, ^a Eleni Kyriakou, ^a Pantelis Charisiadis, ^a Tsiakoulis Constantinos, ^a Vassiliki Kontogianni, ^a Nisar Sayyad, ^a Stanislava Stosic-Grujicic, ^b Ivana Stojanovic, ^b Fotini Lamari, ^c Marigoula Margarity, ^d Andreas G. Tzakos, ^a Ioannis P. Gerothanassis^a ^a Department of Chemistry, University of Ioannina, Ioannina GR-45110, Greece, igeroth@cc.uoi.gr ^b Department of Immunology, Institute for Biological Research "Sinisa Stankovic", University of Belgrade, Bulevar Despota Stefana 142, Belgrade, Serbia ^c Department of Pharmacy, University of Patras, 26504 Rio, Greece ^d Laboratory of Human and Animal Physiology, Department of Biology, University of Patras, 26504 Rio, Greece Plant derived Bioactive Compounds: Isolation, Identification, Biological Evaluation and Enzymatic Modification of Lead compounds
11:55-11:20 S ₂ -OP5	Bilge Sener[†], Ilkay ERDOGAN ORHAN [†] [†] Gazi University Faculty of Pharmacy Department of Pharmacognosy Ankara-Turkey Researches on Some Secondary Metabolites for the Discovery of Novel Drug Candidates against Alzheimer's Disease
11:20-11:50	COFFEE BREAK
	Chair: Ioannis P. Gerothanassis-H. Dincalp
11:50-12:10 S ₂ -OP6	F.P. Fanizzi,^a S.A. De Pascali, ^a A. Muscella, ^a S. Marsigliante, ^a M.G. Bottone, ^b G. Bernocchi. ^b ^a <i>Dipartimento di Scienze e Tecnologie Biologiche ed Ambientali, Universita' del Salento, via Lecce-Monteroni 73100 Lecce, Italy</i> ^b <i>Dipartimento di Biologia Animale, Laboratorio di Biologia Cellulare e Neurobiologia, Universita' di Pavia, Istituto di Genetica Molecolare CNR, Via Ferrata 1, 27100 Pavia, Italy.</i> Cisplatin Related Drugs For Non Genomic Targets
12:10-12:30 S ₂ -OP7	Chiara Nardon,^{a,b} Q. Ping Dou ^b , and Dolores Fregona ^a ^a <i>Department of Chemical Sciences, University of Padova, Via F. Marzolo 1, Padova 35131, Italy</i>

	<p>^b <i>The Prevention Program, Department of Pathology, Barbara Ann Karmanos Cancer Institute, School of Medicine, Wayne State University, 540.1 HWCRC, 4100 John R Road, Detroit MI-48201, USA</i> chiara.nardon@studenti.unipd.it <i>In vitro</i> and <i>in vivo</i> anticancer activity of recently patented gold-based peptidomimetics targeting peptide transporters</p>
12:30-12:50 S ₂ -OP8	<p>B.S. Isgor, Y.G. Isgor, S. Ozalp-Yaman Chemical Engineering and Applied Chemistry Department, Incek Campus, Bldg A2, 06836 Ankara, Turkey The Role of Metal Coordination Complexes on Nuclear and Cytosolic Cellular Defense</p>
12:50-13:10 S ₂ -OP9	<p>N.A. Al Omari Dept. of Pharm. Sciences/ College of Pharmacy/ University of Mosul / Mosul/ IRAQ Design, synthesis, characterization and comparative cytotoxic evaluation of bis-(2-mercaptoacetate) gold(III) chlorine</p>
13:10-14:00	LUNCH
14:30-16:00	POSTER SESSION
16:00-17:00	ROOM 1. PLENARY LECTURE, PL3
	Convener T. Mavromoustakos
PL3	<p>Ivano Bertini, CERM, University of Florence, Florence, Protein-protein interactions in life processes</p>
	Session: Pharmaceutical Chemistry and Drugs Design, S2, Room 2
	Chair: Y.S. Tsantrizos-C.N. Nardon
17:00-17:30 S ₂ -OP10	<p>A. Albeck,^a K. Schultz,^a I. Nathan,^b B. Khalfin,^b A. Lichtenstein^b ^a <i>Department of Chemistry, Bar Ilan University, Ramat Gan, Israel (E-mail: amnon.albeck@biu.ac.il)</i> ^b <i>Department of Clinical Biochemistry, Ben Gurion University, Beer Sheba, Israel</i> Necrotic Cell Death: Is It Manageable?</p>
17:30-17:55 S ₂ -OP11	<p>S.Milenkovic,^a L.Tugulea,^b M.Barbanta-Patrascu,^b G.Baranga,^b D.Markovic^a ^a <i>Faculty of Technology, University of Nish, 16000 Leskovac, Serbia</i> ^b <i>Faculty of Physics, University of Bucharest, 077125 Magurele, Romania</i> Quercetin effects on model lipid membranes monitored by Chlorophyll derivatives</p>
17:55-18:25	COFFEE BREAK
18:25-18:45 S ₂ -OP12	<p>H. Dincalp,^a Ş. Kızılok,^a U. Avcıbaşı,^a H. Demiroğlu,^a F.G. Gümüşer,^b G. Topal,^b Y. Parlak,^b S. İçli^c ^a <i>Department of Chemistry, Faculty of Arts and Science, Celal Bayar University, 45030, Muradiye-Manisa, Turkey</i> ^b <i>Department of Nuclear Medicine, Celal Bayar University, School of Medicine, 45030, Muradiye-Manisa, Turkey</i> ^c <i>Department of Energy, Solar Energy Institute, Ege University, 35100, Bornova-Izmir, Turkey</i> Singlet Oxygen Formation Efficiency of Perylene-based Dyes Specific for G-Quadruplex DNA Structure</p>
18:45-19:05 S ₂ -OP13	<p>Rossella Messina¹, Athina Geronikaki², Ph. Eleftheriou³, Annamaria Panico¹, Marco Fragai⁴, Paola Vicini⁵, Anil K. Saxena⁶ ¹ <i>Dipartimento di Scienze Farmaceutiche, Università di Catania, V.le Doria 6, 95125 Catania, Italy;</i> ² <i>Aristotle University, School of Pharmacy, Department of Pharmaceutical Chemistry, 54124 Thessaloniki, Greece;</i> ³ <i>Alexandron Technological Educational Institute of Thessaloniki, Department of Medical Laboratory Studies, Greece;</i> ⁴ <i>Centro di Risonanze Magnetiche e Dipartimento di Biotecnologie Agrarie, Polo Scientifico, Università degli Studi di Firenze Via Luigi Sacconi 6, 50019 Sesto Fiorentino (FI), Italy;</i> ⁵ <i>Dipartimento Farmaceutico, Università di Parma, V.le G. P. Usberti 27/A, 43100 Parma, Italy.</i> <i>Central Drug Research Institute, Chattar Manzil Palace, Lucknow-226 001, India</i> 2-Heteroarylimino-5-benzylidene-4-thiazolidinones as Dual COX/LOX inhibitors and new inhibitors of matrix metalloproteinase-13</p>

19:05-19:25 S ₂ -OP14	<p>V. Kahlert,^a E. Prell,^a P. Rücknagel,^a M. Malešević,^a and G. Fischer^a</p> <p>^a Department2, Max Planck Research Unit for Enzymology of Protein Folding, Weinbergweg 22, 06120 Halle</p> <p>Novel Cyclosporin derivatives for selective targeting of cyclophilins</p>
19:25-19:45 S ₂ -OP15	<p>*Hala M. Hassan¹ and Mohamed M. Shoukry²</p> <p>¹ Chemistry Department, Faculty of science, Jazan university, Kingdom of Saudi Arabia</p> <p>[*](Permanent address) Textile Technology Department, Industrial Education College, Beni-Suef University, Egypt</p> <p>² Chemistry Department, Faculty of science, Cairo university, Egypt hala_mahfooz@yahoo.com</p> <p>Equilibrium Studies of Complex Formation Reactions of Model Platinum(II) Complexes with Ligands of Biological Significance</p>

POSTER SESSION

PHARMACEUTICAL CHEMISTRY AND DRUGS DESIGN, S2

S₂-PP1	Structure of Estrogen Receptor (ER) with Estradiol Metal Chelate: The Basis for Designing a New Class of Selective ER modulators MJ. Li, ^a H. Greenblatt, ^a O. Dym, ^b <u>S. Albeck</u> , ^b A. Pais, ^c C. Gunanathan, ^d D. Milstein, ^d H. Degani, ^c and J.L. Sussman ^{a,b} ^a Department of Structural Biology, ^b Israel Structural Proteomics Center (ISPC), ^c Department of Biological Regulation, ^d Department of Organic Chemistry <u>shira.albeck@weizmann.ac.il</u>
S₂-PP2	Antioxidant Activity of Biogenic Amines and Related Compounds estimated by 1,1-Diphenyl-2-Picrylhydrazyl (DPPH) Test <u>D. Casoni</u> , C. Sărbu <i>Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, Arany Janos Str., No 11, RO-400028, Cluj-Napoca, Romania</i> <i>E-mail address: casoni_dorina@yahoo.com</i>
S₂-PP3	Isolation And Cellular Toxicity Of The Lipid Constituents Of The Plant <i>Viscum Album L</i> Athina Boulaka ^a , Demokritos C. Tsoukatos ^b , <u>Spyridon Karkabounas</u> ^a ^a Laboratory of Experimental Physiology, Faculty of Medicine, University of Ioannina, 45110 Ioannina, Greece ^b Laboratory of Biochemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece <i>Corresponding author email: skarkabu@cc.uoi.gr</i>
S₂-PP4	Synthesis and DNA-binding of Duocarmycin Antibiotic Derivatives Containing Diazo-Proflavin Molecular Constructs B. Çeken, Ş. Özhan Kocakaya, <u>M. Kızıllı</u> <i>Dicle University, Faculty of Science, Chemistry Department, Diyarbakır, Turkey</i> <u>muratk@dicle.edu.tr</u>
S₂-PP5	Synthesis of the novel camphor based 2,4-disubstituted 1,3-thiazoles against clinical isolates of <i>Candida</i> spp. <u>K. Z. Łączkowski</u> , ^a K. Misiura, ^a E. Ciok-Pater, ^b E. Gospodarek ^b ^a Department of Chemical Technology and Pharmaceuticals, Collegium Medicum, Nicolaus Copernicus University, <i>Jurasz 2, 85-089 Bydgoszcz, Poland, krzysztof.laczkowski@cm.umk.pl</i> ^b Department of Microbiology, Collegium Medicum, Nicolaus Copernicus University, <i>Jurasz 2, 85-089 Bydgoszcz, Poland</i>
S₂-PP6	Recognition Pliability is Coupled to Structural Heterogeneity: a Calmodulin - Intrinsically Disordered Binding Region Complex Malini Nagulapalli, ^a Giacomo Parigi, ^a Jing Yuan, ^a Joerg Gsponer, ^{b,c} George Deraos, ^d Vladimir V. Bamm, ^e George Harauz, ^e John Matsoukas, ^d Ioannis P. Gerothanassis, ^f M. Madan Babu, ^b Claudio Luchinat, ^{a,*} & <u>Andreas G. Tzako</u> ^f ^a Magnetic Resonance Center (CERM), University of Florence, Via Luigi Sacconi 6, 50019 Sesto Fiorentino, Italy. ^b MRC Laboratory of Molecular Biology, Cambridge, UK. ^c Centre for High-Throughput Biology, University of British Columbia, Vancouver, BC, V6T 1Z4 ^d Department of Chemistry, University of Patras, 26500, Patras, Greece. ^e Department of Molecular and Cellular Biology, and Biophysics Interdepartmental Group, University of Guelph, 50 Stone Road East, Guelph, Ontario, Canada N1G 2W1. ^f Department of Chemistry, University of Ioannina, 45110, Ioannina, Greece, <u>atzakos@cc.uoi.gr</u>
S₂-PP7	Anti-proliferative and antioxidant properties of <i>Ocimum basilicum</i> <u>A. Zarlaha</u> , ^a T. Stanojkovic, ^b D. Hadjipavlou-Litina, ^c N. Kourkoumelis, ^d D. Kovala-Demertzi ^a ^a Department of Chemistry, University of Ioannina, Ioannina 45110, Greece <u>(kikizar@yahoo.gr)</u> ^b Institute for Oncology and Radiology of Serbia, Pasterova 14, Belgrade 11000, Serbia ^c Department of Pharmaceutical Chemistry, School of Pharmacy, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece ^d Department of Medical Physics, Medical School, University of Ioannina, Ioannina 45110, Greece

S₂-PP8	<p>Synthetic xanthenes for overcoming enzyme chemotherapeutic resistance: an inhibitor scaffold targeting human glutathione transferase A1-1 (hGSTA1-1)^{a,*}</p> <p>O. Zoi^a, A. Thireou^b, P. G. Tsoungas^c, E. Eliopoulos^b, N. E. Labrou^a, Y. D. Clonis^{a,*}</p> <p>^a <i>Laboratory of Enzyme Technology and</i> ^b <i>Laboratory of Genetics, Department of Agricultural Biotechnology, Agricultural University of Athens, 75 Iera Odos Street, GR-118 55 Athens, Greece;</i></p> <p>^c <i>Department of Biochemistry, Hellenic Pasteur Institute, 127 Vas. Sofias Avenue, GR-115 27 Athens, Greece.</i></p>
S₂-PP9	<p>Kinetics and Mechanism of Oxidation of Ternary Complex Chromium(III) Salicylhydroxamate Valine Complex by Peroxydisulfate</p> <p>*Hala M. Hassan¹, Ahmed A. Abdel-Khalek²</p> <p>¹<i>Chemistry Department, Faculty of Science, Jazan University, Jazan, Kingdom Of Saudi Arabia</i></p> <p>²<i>(on leave from) Textile Technology Department, Industrial Education College, Beni-Suef city, Egypt.</i></p> <p>² <i>Chemistry Department, Faculty of science, Beni-Suef city, Egypt.</i></p>
S₂-PP10	<p>Biological study of di-organotin(IV) complex [Bu₂Sn(naproxen)₂] with the anti-inflammatory Naproxen as ligand.</p> <p>E. Georgiou¹, F. Ganiatsou², M. Manos³, A.J. Tasiopoulos³, S. Karkabounas¹, S.K. Hadjikakou².</p> <p>¹<i>Laboratory of Experimental Physiology, Medical School, University of Ioannina, 45110 Ioannina Greece;</i> ²<i>Laboratory of Inorganic and Analytical Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina Greece;</i></p> <p>³<i>Department of Chemistry, University of Cyprus, 1678 Nicosia, Cyprus</i></p> <p><i>Corresponding authors e-mail: skarkabu@cc.uoi.gr shadjika@uoi.gr</i></p>
S₂-PP11	<p>Study of Chloranilic Beryllium Complex (2C₂₁H₃₈N[Be(C₆Cl₂O₄)₂]) Cytotoxic Action</p> <p>Maria Efthymiou^a, Maria Gkiouli^a, Athina Boulaka^a, Elena Georgiou^a, Patra Vezyraki^a, Panagiotis Veltsistas^b, Spyridon Karkabounas^a, Aggelos Evaggelou^a</p> <p>^a<i>Laboratory of Experimental Physiology, Faculty of Medicine, University of Ioannina, 45110 Ioannina, Greece</i></p> <p>^b<i>Laboratory of Analytical chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece</i></p>
S₂-PP12	<p>Orphan Drugs, Albanian legislation and society views about them.</p> <p>Gentiana Qendro^a, Ela Hoti^b, Ledjan Malaj^b, Mirela Miraci^b.</p> <p>^a <i>Department of Pharmacy, University "Planetar of Tirana", Tirana, Albania,</i></p> <p>^b <i>Department of Pharmacy, Faculty of Medicine, University of Tirana, Tirana, Albania</i></p>

ORGANIC CHEMISTRY AND NATURAL PRODUCTS

S3

ROOM 2, APRIL 18, 20, 2012

PROGRAM OF LECTURES

18/4/2012 THIRD DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 4
	Convener Michitaka Oktaiki
PL4	Susumu Kitagawa <i>Institute for Integrated Cell-Material Sciences, Kyoto University, and Department of Synthetic Chemistry and Biological Chemistry, Kyoto University, Katsura, Nishikyo-ku, Kyoto, 615-8510, Japan Japan;</i> Evolution of Porous Coordination Polymers/Metal-Organic Frameworks
	Session: Organic Synthesis and Natural Products, S3, Room 2
	Chair: P. Tsoungas- Amal Al-Aboudi
9:30-10:00 S ₃ -OP1	Michael G. B. Drew, Laurence M. Harwood , Michael J. Hudson, and Frank Lewis Chemistry Department, University of Reading, Whiteknights, Reading RG6 6AD, UK. Studies On Ligands For Selective Actinide Extraction
10:00-10:25 S ₃ -OP2	Miguel Yus <i>Instituto de Síntesis Orgánica (ISO) and Departamento de Química, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, 03080 Alicante, Spain (E-mail: yus@ua.es)</i> Discovering New Efficient Reactions
10:25-10:50 S ₃ -OP3	José A. S. Cavaleiro <i>Department of Chemistry and QOPNA, University of Aveiro, 3810-193 Aveiro, Portugal</i> New Porphyrin Derivatives: Synthesis via Palladium-Catalyzed Amination Reactions
10:50-11:10 S ₃ -OP4	M. Martín-Rodríguez, C. Nájera , J. M. Sansano <i>Department of Organic Chemistry, and Organic Synthesis Institute, University of Alicante, Apdo. 99, 03080 Alicante, Spain</i> Binap-Gold(I) versus Silver Trifluoroacetate Complexes as Chiral Catalysts in 1,3-Dipolar Cycloadditions
11:10-11:40	COFEE BREACK
11:40-12:00 S ₃ -OP5	S. Mueller , M. Janczyk, B. Appel <i>Institute for Biochemistry, Ernst-Moritz-Arndt University Greifswald, Felix-Hausdorff-Str. 4, 17487 Greifswald, Germany</i> A novel approach for the preparation of trinucleotide phosphoramidites and their use for the synthesis of gene librarie
12:00-12:20 S ₃ -OP6	Petros G. Tsoungas ^a , George Pairas ^b , Paul Cordopatis ^b ^a Department of Biochemistry, Hellenic PASTEUR Institute, ^b Department of Pharmacy, University of Patras, Greece o-Quinone Methides in Synthesis: Efficient Access to Regioselectively Unsymmetrically Substituted 1,2-Dihydroxyarylaalka(e)nes; Molecular Scaffolds for Biomembrane active Agents.
12:20-12:40 S ₃ -OP7	Kamal Kumar ^{a,b} ^a Department of Chemical Biology, Max Planck Institute of Molecular Physiology, Otto-Hahn Str. 11, 44227-Dortmund, Germany and ^b Technical University Dortmund, Faculty of Chemistry, Chemical Biology, Otto-Hahn Str. 6, 44227-Dortmund, Germany. Building Natural Products Inspired Molecular Complexity with Cascade Transformations
12:40-13:00 S ₃ -OP8	Diana Resende, Cristina Gómez de la Oliva, Artur M. S. Silva , José A. S. Cavaleiro <i>QOPNA, Departamento de Química, Universidade de Aveiro, 3810-193 Aveiro, Portugal</i> Organocatalysed asymmetric transformations of cinnamylideneacetophenones
13:00-14:00	LUNCH
14:30-16:00	POSTER SESSION

16:00-17:00	ROOM 1. PLENARY LECTURE, PL 5
	Convener: S. Perlepes
PL5	G. Christou , ^a Tu N. Nguyen, ^a Khalil A. Abboud, ^a and Wolfgang Wernsdorfer ^b ^a <i>Department of Chemistry, University of Florida, Gainesville, Florida 32611, USA</i> ^b <i>Institut Néel-CNRS, 38042 Grenoble, Cedex 9, France</i> Supramolecular Aggregation of Manganese Clusters: Linkage of Single-Molecule Magnets into Rectangles and Other Motifs
	Session: Organic Synthesis and Natural Products, S3, Room 2
	Chair: E.V. Babaev-José A. S. Cavaleiro
17:00-17:30 S ₃ -OP9	Shlomo Rozen and Shay Potash <i>School of Chemistry, Tel Aviv University, Tel Aviv, 69978, Israel</i> HOF•CH₃CN – The Best Oxygen Transfer Agent Organic Chemistry has to Offer
17:30-17:50 S ₃ -OP10	Ali Darehkordi ^{*a} , Fariba Rahmani ^a , Mahin Ramezani ^a and Shokrollah Assar ^b ^a <i>Department of Chemistry, Faculty of Science, Vali-e-Asr University of Rafsanjan, Rafsanjan 77176, Iran</i> ^b <i>Department of Microbiolog, Immunology and Biology, Rafsanjan University of Medical Sciences, Rafsanjan, Iran</i> Synthesis of new indole trifluoromethyl derivatives and their antibacterial evaluations
17:50-18:20	COFFEE BREAK
18:20-18:50 S ₃ -OP11	Amal Al-Aboudi <i>Chemistry Department, The University of Jordan, Amman, Jordan</i> Chemical diversity through biotransformation
18:50-19:10 S ₃ -OP12	Musa Z. Nazer ^a , Sana' Abu-Eid ^a , Makhluf J. Haddadin ^b ^a <i>Department of Chemistry, University of Jordan, Amman, Jordan</i> ^b <i>Department of Chemistry, American University of Beirut, Beirut, Lebanon</i> Steric Approach Control : Diastereoselectivity in Cycloaddition Reaction Sequence Leading to a Novel Diazodioxabicyclononane System
19:10-19:30 S ₃ -OP13	Hina Siddiqui and M. Iqbal Choudhary <i>H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences University of Karachi, Karachi-75270, Pakistan</i> Discovery of Antioxidants of Natural and Synthetic Origin
19:30-19:50 S ₃ -OP14	Eleni Kyriakou, ^a Alexandra Primikiry, ^a Charalambos Pappas, ^a Nisar Sayyad, ^a Vassiliki Kontogianni, ^a Pantelis Charisiadis, ^a Haris Stamatis, ^b Seung-Wook Chi, ^c Ioannis P. Gerothanassis, ^a Andreas Tzakos ^a ^a <i>Department of Chemistry, University of Ioannina, 45110, Ioannina, Greece; atzakos@cc.uoi.gr</i> ^b <i>Laboratory of Biotechnology, Department of Biological Applications and Technologies, University of Ioannina</i> ^c <i>Medical Proteomics Research Center, KRIBB, Daejeon, Republic of Korea</i> Sculpting and Evaluating the Bioactivity of Novel Flavonoid Analogues Derived through Modern Chemoenzymatic Approaches

20/4/2012 FIFTH DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 6
	Convener Z. Guo
PL6	P.J. Sadler <i>Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK</i> Organometallic and Photoactivatable Precious Metal Anticancer Complexes
	Session: Organic Synthesis and Natural Products, S3, Room 2
	Chair: Miguel Yus, C. Nájera
9:30-10:00 S ₃ -OP15	Van der Eycken Erik* <i>Department of Chemistry, Laboratory for Organic & Microwave-Assisted Chemistry (LOMAC), Katholieke Universiteit Leuven, Celestijnenlaan 200F, B-3001 Heverlee (Leuven), Belgium</i> Microwaves in the Synthesis of Medium-Sized Rings
10:00-10:20 S ₃ -OP16	E.V. Babaev <i>Department of Chemistry, Moscow State University, Moscow, 119991, Russia</i> Family of Stable Mesoionic Heterocycles
10:20-10:40 S ₃ -OP17	T. Ollevier <i>Département de chimie, Université Laval, 1045 avenue de la Médecine, Québec, G1V 0A6, Canada</i> New green Lewis acid catalysts for enantioselective reactions
10:40-11:00 S ₃ -OP18	Emine Özge GÖZLÜKAYA , Yaşar DÜRÜST <i>Department of Chemistry, Abant İzzet Baysal University, TR-14280, Bolu Turkey</i> Synthesis of Novel Potentially Bioactive N-(1,2,4-Oxadiazolylmethyl)-3-substituted phenyl-1,2,4-Oxadiazol-5(4H)-ones and 1,2,3,5-Oxathiadiazol-2-Oxides
11:00-11:30	COFFEE BREAK
11:30-11:55 S ₃ -OP19	Andy Smith, Damian Dunford, Ian King, David Knight and Siân Williams ^a School of Chemistry, Cardiff University, Main College, Cardiff CF10 3AT, UK Applications Of Silver- And Acid-Catalysed 5-Endo Cyclisations In Target Synthesis
11:55-12:15 S ₃ -OP20	K. Mollet , [‡] M. D'hooghe, N. De Kimpe <i>Department of Sustainable Organic Chemistry and Technology, Faculty of Bioscience Engineering, Ghent University, Coupure Links 653, B-9000 Ghent, Belgium</i> [‡] Aspirant of the Research Foundation-Flanders Stereoselective synthesis of cis-3,4-disubstituted piperidines through ring transformation of 2-(2-bromo-1,1-dimethylethyl)azetidines and 2-(2-mesyloxyethyl)azetidines
12:15-12:35 S ₃ -OP21	S. Chandrasekaran <i>Department of Organic Chemistry, Indian Institute of Science, Bangalore-560012, India</i> Studies on the Synthesis of Thiosugars as Glycosidase Inhibitors
12:35-12:55 S ₃ -OP22	M. Shoeb , N. Nahar <i>Department of Chemistry, University of Dhaka, Dhaka-1000, Bangladesh E-mail: shoeb71@yahoo.com</i> Studies of endophytic fungi from medicinal plants of Bangladesh
13:00-14:00	ROOM 1. PLENARY LECTURE, PL 7
	Convener D Kessisoglou
PL7	C.G. Kalodimos^a ^a <i>Department of Chemistry & Chemical Biology, Rutgers University, 599 Taylor Rd, Piscataway, NJ 07869, USA</i> Structural and Dynamic Basis for the Assembly of Large Protein Machineries by NMR
	FREE AFTERNOON

POSTER SESSION
ORGANIC SYNTHESIS AND NATURAL PRODUCTS, S3

S₃-PP1	<p>Synthesis of sugar pyrido[2,3-b]pyrazine, quinoxaline and (8-aminonaphthalen-1-yl)imino derivative <u>Ali Darehkordi</u>, Fariba Rahmani, Fahimeh Askari ^a <i>Department of Chemistry, Faculty of Science, Vali-e-Asr University of Rafsanjan, Rafsanjan 77176, Iran</i></p>
S₃-PP2	<p>A New Asymmetric Diamide from the seed cake of <i>Jatropha curcas</i> Licheng Yao ^a, Changri Han ^a, <u>Guangying Chen</u> ^{a,*}, Xiaoping Song ^a, Yonghui Chang ^a ^a <i>Key Laboratory of Tropical Medicinal Plant Chemistry of Ministry of Education, Hainan Normal University, Haikou 571158, P. R. China</i></p>
S₃-PP3	<p>Some Ionic Liquids As Catalyst To Transfer Some Sugar Derivates Samia AMIRAT and <u>Ahmed DJELLAL</u> Laboratoire de biosynthèse organique, Faculté des Sciences, Département de chimie, Université de Annaba, BP 12, Annaba -23000- Algérie.</p>
S₃-PP4	<p>Grape stem extracts of Greek <i>Vitis vinifera</i> cultivars: Polyphenolic profile and assessment of their anti-angiogenic and anticancer properties A. Apostolou^b, D. Stagos^a, E. Kermeliotiou^a, T. Poullos^a, <u>A. Batzilioti</u>^a, S. Haroutounian^b, D. Kouretas^a ^a <i>Department of Biochemistry and Biotechnology, University of Thessaly, Ploutonos 26 & Aioulou, Larissa, Greece</i> ^b <i>Chemistry Laboratory, Agricultural University of Athens, Iera Odos 75, Athens, Greece</i> <i>stagkos@med.uth.gr</i></p>
S₃-PP5	<p>Synthesis and conformational analysis of naphth[1,2-<i>e</i>][1,3]oxazino[3,2-<i>c</i>]quinazolin-13-ones <u>Renáta Csütörtöki</u>, ^a István Szatmári, ^a Andreas Koch, ^b Matthias Heydenreich, ^b Ines Starke, ^b Erich Kleinpeter^b and Ferenc Fülöp^a ^a <i>Institute of Pharmaceutical Chemistry, University of Szeged, H-6720 Szeged, Eötvös utca 6, Hungary, csrenata@pharm.u-szeged.hu</i> ^b <i>Department of Chemistry, University of Potsdam, Karl-Liebknecht-Str. 24-25, D-14476 Potsdam (Golm), Germany</i></p>
S₃-PP6	<p>Reactive Fluorescent Probes for Monoamine Oxidases Dokyoung Kim and Kyo Han Ahn[*] <i>Department of Chemistry and the Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, San 31, Hyoja-dong, Pohang, 790-784, Republic of Korea</i></p>
S₃-PP7	<p>Reactive Two-Photon Fluorescent Probes for Mercury(II) Ions Inae Kim, <u>Dokyoung Kim</u>, and Kyo Han Ahn[*] <i>Department of Chemistry and the Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, San 31, Hyoja-dong, Pohang, 790-784, Republic of Korea</i></p>
S₃-PP8	<p><i>In vivo</i> anti-diabetic activity and quantitative determination of major active constituents of <i>Morus alba</i> leaf extract <u>A. Hunyadi</u>, ^{a,b} A. Martins, ^a T.J. Hsieh, ^c A. Seres, ^d I. Zupkó^e ^a <i>Institute of Pharmacognosy, University of Szeged, Eötvös str. 6., 6720 Szeged, Hungary</i> ^b <i>COST Action CM0804 (Chemical Biology with Natural Products) of the European Commission, Brussels, Belgium</i> ^b <i>Department of Medical Genetics, Kaohsiung Medical University, Shih-Chuan 1st Rd. 100, Kaohsiung 807, Taiwan</i> ^c <i>Department of Pharmacodynamics and Biopharmacy, University of Szeged, Eötvös str. 6., 6720 Szeged, Hungary</i></p>
S₃-PP9	<p>Strong inhibition of xanthine oxidase by a non-planar flavonoid, protoapigenone 1'-<i>O</i>-propargylether <u>A. Hunyadi</u>, ^{a,b} B. Danko, ^a D.W. Chuang, ^c F.R. Chang, ^{c,d} Y.C. Wu, ^e G. Falkay^f ^a <i>Institute of Pharmacognosy, University of Szeged, Eötvös str. 6, 6720 Szeged, Hungary</i> ^b <i>COST Action CM0804 (Chemical Biology with Natural Products) of the European Commission, Brussels, Belgium</i> ^c <i>Graduate Institute of Natural Products, Kaohsiung Medical University, Shih-Chuan 1st Rd. 100, Kaohsiung 807, Taiwan</i> ^d <i>Cancer Center, Kaohsiung Medical University Hospital, Shih-Chuan 1st Rd. 100, 807</i></p>

	<p><i>Kaohsiung, Taiwan; R & D Center of Chinese Herbal Medicines & New Drugs, College of Pharmacy, Kaohsiung Medical University, Shih-Chuan 1st Rd. 100, 807 Kaohsiung, Taiwan</i></p> <p><i>^e Graduate Institute of Integrated Medicine, College of Chinese Medicine, China Medical University, Hsueh-Shih Rd. 91, 404 Taichung, Taiwan; Natural Medicinal Products Research Center, China Medical University Hospital, Hsueh-Shih Rd. 91, 404 Taichung, Taiwan</i></p> <p><i>^e Department of Pharmacodynamics and Biopharmacy, University of Szeged, Eötvös str. 6., 6720 Szeged, Hungary</i></p>
S₃-PP10	<p>An efficient process for the synthesis of substituted fused dihydrofurans</p> <p><u>Dimitra Kalpogiannaki</u>, Lazaros P Hadjiarapoglou</p> <p><i>Department of Chemistry, University of Ioannina, GR-45110 Ioannina, GREECE</i></p>
S₃-PP11	<p>Synthesis of Sulfur-Containing Dihydro-Pyrrolo [60]fullerene Derivatives. Comparison Between the Use of Conventional Heating and Microwave Irradiation</p> <p><u>Kyriakos Kostikiadis</u>^a, Nikolaos Karousis^b, Nikolaos Tagmatarhis^b, Yiannis Elemes^a</p> <p><i>^aDepartment of Chemistry, Section of Organic Chemistry and Biochemistry, University of Ioannina, 45110, Ioannina, Hellas</i></p> <p><i>^bTheoretical and Physical Chemistry Institute, National Hellenic Research Foundation, 48 Vassileos Constantinou Ave., 11635, Athens, Hellas</i></p>
S₃-PP12	<p>Some 3-Aminoindole-2-Carbonitrile Chemistry</p> <p>A. Berezin^a, P. A. Koutentis,^a S. S. Michaelidou^a</p> <p><i>^a Department of Chemistry, University of Cyprus, P. O. Box 20537, 1678 Nicosia, Cyprus</i></p>
S₃-PP13	<p>3-Benzoyl-4-hydroxy Coumarins and Thiocoumarins: Synthesis, X-Ray Crystallographic Structural Determination and DFT Calculations</p> <p><u>J. Markopoulos</u>,^a V. Stefanou,^{a,b} D. Matiadis,^b M. Fousseki,^b S. Kikionis,^b D. Hajinikolaou,^d O. Markopoulou,^b V. Mc Kee,^c G. Melagraki,^b A. Afantitis,^b</p> <p><i>^a National and Kapodistrian University of Athens, Chemistry Department, Zografou Campus, Athens, 15771</i></p> <p><i>^b National Technical University of Athens, School of Chemical Engineering, Zografou Campus, Athens, 15773</i></p> <p><i>^c University of Loughborough, Chemistry Department, Leicestershire, LE113TU, U.K.</i></p> <p><i>^d National and Kapodistrian University of Athens, Biology Department, Zografou Campus, Athens, 15771</i></p>
S₃-PP14	<p>Fluorescent Sensing and Imaging of Pd Species with “Reactive” Probes</p> <p><u>Mi Eun Jun</u>, Santra Mihtuns and Kyo Han Ahn[*]</p> <p><i>Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, Pohang, Republic of Korea, 790-784</i></p>
S₃-PP15	<p>A Chemodosimeter Approach to Fluorescent Sensing and Imaging of Palladium Species</p> <p>Santra Mihtuns, <u>Mi Eun Jun</u>, and Kyo Han Ahn[*]</p> <p><i>Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, Pohang, Republic of Korea, 790-784</i> (puresoul00j@postech.ac.kr)</p>
S₃-PP16	<p>Dimethyldioxirane Epoxidation of Bicyclo[3.2.0]hept-2-en-6-ones</p> <p>Konstantinos Mplekos, Lazaros P. Hadjiarapoglou</p> <p><i>Department of Chemistry, University of Ioannina, GR-45110 Ioannina, GREECE</i></p>
S₃-PP17	<p>Synthesis of Heterocyclic Quinones with Azophenyl Moiety</p> <p><u>N. Batenko</u>,^a S. Belyakov,^b R. Valters^a</p> <p><i>^a Faculty of Material Science and Applied Chemistry, Riga Technical University, Azenes St. 14/24, Riga, Latvia</i></p> <p><i>^b Latvian Institute of Organic Synthesis, Aizkraukles St. 21, Riga, Latvia</i></p>
S₃-PP18	<p>Synthesis of bicyclo[2.2.2]octenone derivatives via Diels-Alder cycloadditions of in situ generated masked o-benzoquinones (MOBs)</p> <p><u>Maria Nikolaidou</u>, Lazaros P. Hadjiarapoglou,</p> <p><i>Department of Chemistry, University of Ioannina, GR-45110 Ioannina, GREECE</i></p>

S₃-PP19	Synthesis of (2,2,2-trifluoroethylidene) aniline derivative <u>Davood Aghaei Afshar</u> ^a , Ali Darehkordi ^b and Vahideh Hashemi ^a Department of Chemistry, Shahid Dadbin Institute of Kerman, Kerman 171, Vocational and Technical University, Iran ^b Department of Chemistry, Faculty of Science, Vali-e-Asr University of Rafsanjan, Rafsanjan 77176, Iran
S₃-PP20	Electrochemical characterization of hydroxylated xanthenes by cyclic voltammetry C.M.M. Santos, ^a M.B.Q. Garcia, ^b A.M.S. Silva, ^c J.A.S. Cavaleiro, ^c E. Fernandes ^b ^a Departamento de Produção e Tecnologia Vegetal, Escola Superior Agrária de Bragança, 5301-855 Bragança, Portugal (clems@ipb.pt) ^b REQUIMTE, Departamento de Ciências Químicas, Faculdade de Farmácia, Universidade do Porto, Rua Anibal Cunha, 164, 4099-030 Porto, Portugal ^c QOPNA, Departamento de Química, Universidade de Aveiro, 3810-193 Aveiro, Portugal
S₃-PP21	Characterization of Vinylgold Intermediates Involved in the Au(III)/Au(I)-Mediated Cyclization of (N-Propargyl)benzamides: <u>Hyewon Seo</u> , Olga A. Egorova, and Kyo Han Ahn Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, San 31, Hyoja-dong, Pohang, Kyeongbuk 790-784, Korea.
S₃-PP22	On the Reaction Pathways Involved in the Rhodamine-Based Fluorescence Sensing of Gold Ions <u>Hyewon Seo</u> , Olga A. Egorova, and Kyo Han Ahn* Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, San 31, Hyoja-dong, Pohang, Kyeongbuk 790-784, Korea.
S₃-PP23	An Efficient Method for the Synthesis of the Natural Product Xyloketal H <u>Abdulkadar Shaikh</u> , George Varvounis* Department of Chemistry, University of Ioannina, Section of Organic Chemistry and Biochemistry, 45110 Ioannina, Greece
S₃-PP24	A Novel Two-photon Fluorescent Probe for ATP and ADP <u>Alla Sreenivasa Rao</u> , Dokyoung Kim, and Kyo Han Ahn* Department of Chemistry and the Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, San 31, Hyoja-dong, Pohang, 790-784, Republic of Korea
S₃-PP25	Novel isoxazole derivatives: Synthesis and biological properties evaluation E. Tzanetou ^a , D. Stagos ^b , K. Kasiotis ^c , Sandra Liekens ^d , E. Koutsothodorou ^b , A. Batzilioti ^b , D. Kouretas ^b and S. Haroutounian ^a ^a Chemistry Laboratory, Agricultural University of Athens, Iera Odos 75, Athens, Greece ^b Department of Biochemistry and Biotechnology, University of Thessaly, Ploutonos 26 & Aioulou, Larissa, Greece ^c Benaki Phytopathological Institute, Laboratory of Pesticides Toxicology, 8 St. Delta Street, Athens, Greece ^d Rega Institute for Medical Research, Minderbroedersstraat 10, Leuven, Belgium
S₃-PP26	Novel oxidations of hydrazones with iodobenzene diacetate (IBD) <u>Alexandra Tzinavou</u> , George Varvounis* Department of Chemistry, University of Ioannina, Section of Organic Chemistry and Biochemistry, 45110 Ioannina, Greece.
S₃-PP27	Zinc-DPA-Functionalized Polydiacetylene Liposome Microarrays: Selective and Sensitive Detection of Phosphate Ions Kyung Mi Kim, <u>Yong-Suk Cho</u> and Kyo Han Ahn* Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, Pohang, Republic of Korea, 790-784
S₃-PP28	Nanoparticle-based Indicator-Displacement Assay for Pyrophosphate <u>Yong-Suk Cho</u> and Kyo Han Ahn* Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, Pohang, Republic of Korea, 790-784
S₃-PP29	Synthesis of Porphyrin-Based Covalent Organic Frameworks <u>Rashid Altamimi</u> * King Abdulaziz City for Science and Technology, Riyadh, 11442, Saudi Arabia

S₃-PP30	Spectral Characterization and Antimicrobial Activity of Some Schiff Bases Derived from 4-Chloro-2-aminophenol and Various Salicylaldehyde Derivatives <u>A. Cinarli,^a D. Gürbüz,^a A. Tavman,^a A.S. Birteksöz^b</u> ^a Department of Chemistry, Istanbul University, Faculty of Engineering, Istanbul, Turkey ^b Department of Pharmaceutical Microbiology, Istanbul University, Faculty of Pharmacy, Istanbul, Turkey
S₃-PP31	Synthesis of N-((1-(arylimino)-2,2,2-trifluoroethyl)benzamidine and their antibacterial effects Ali Darehkordi ^a , Shiva fathi ^b , Mohammadreza Akhgar ^b ^a Department of Chemistry, Faculty of Science, Vali-e-Asr University of Rafsanjan, Rafsanjan 77176, Iran ^b Department of Chemistry, Faculty of Science, Azad University of Kerman, Kerman, Iran
S₃-PP32	Unexpected transformations of methyl 2-[(1-alkyl-1H-pyrrol-2-yl)carbonyl]-amino}benzoate. New synthesis of the 3,4-dihydropyrrolo[2,1-c][1,4]-oxazin-1-one ring system <u>Marilena Fermeletzi</u> and George Varvounis* Department of Chemistry, University of Ioannina, Section of Organic Chemistry and Biochemistry, 45110 Ioannina, Greece.
S₃-PP33	Synthesis of Dihydropyrimidine, Dihydropyrimidinone and Dihydroimidazole Derivatives under Free Solvent Conditions and their Antibacterial Evaluation <u>Ahmed M.M. Soliman^a</u> , Mahmoud. Abd El-Aleem. Ali. Ali. El Remaily ^a , Shaaban K. Mohamed ^a , Hossam. Abdel- Ghany ^a ^a Department of Chemistry, Sohag University, Egypt. ^b School of Chemistry and Environmental Science, Manchester Metropolitan University, Manchester, England,.
S₃-PP34	Study on the chemical constituents from the root of <i>Polyalthia laui</i> Xiao-BaoLi ^a , Guang-YingChen ^a , Xiao-Pingsong ^a , Chang-Ri Han ^a , Sai-QinChen ^a ^a Key Laboratory of Tropical Medicinal Plant Chemistry of Ministry of Education, Hainan Normal University, Haikou 571158, P. R. China
S₃-PP35	Synthesis of Some Thiadiazolotriazinone Compounds <u>D. Gürbüz,^a S. Tanyolaç^a</u> ^a Department of Chemistry, Istanbul University, Faculty of Engineering, Istanbul, Turkey
S₃-PP36	Trigoxypins H and I: Two new Daphnane Diterpenoids from <i>Trigonostemon xyphophylloides</i> Biao Yang ^{a,b} , Guang-Ying Chen ^a , Xiao-Ping Song ^a , Liu-Qing Yang ^d , <u>Chang-Ri Han^{a,*}</u> , Xiang-Yang Wu ^{b,c,*} , Xiao-Man Li ^a , Bing-Yan Zou ^a ^a Key Laboratory of Tropical Medicinal Plant Chemistry of Ministry of Education, Hainan Normal University, Haikou 571158, P. R. China; ^b School of Food and Biological Engineering, Jiangsu University, Zhenjiang 212013, P. R. China ^c School of the Environment, Jiangsu University, Zhenjiang 212013, P. R. China ^d School of Pharmacy, Jiangsu University, Zhenjiang 212013, P. R. China
S₃-PP37	NMR- and UHPLC-MS-based metabolomics for the discrimination of different resistant <i>Vitis vinifera</i> cultivar woods. A. Stefanou, ^a M. Halabalaki, ^a S. Bertrand S, ^b J. Boccard, ^b <u>S. Kostidis,^a S. Rudaz,^b H. Schaefer,^c M. Spraul,^c AL. Skaltsounis,^a E. Mikros,^a J-L. Wolfender.^b</u> ^a School of Pharmacy, National and Kapodistrian University of Athens Panepistimioupoli, Zografou, 15771, Athens, Greece. ^b School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, CH-1211 Geneva 4, Switzerland. ^c Bruker Analytische Messtechnik GmbH, D76287-Reihnstetten, Silberstreifen, Germany.
S₃-PP38	Reaction-Based Probes for Ratiometric Fluorescence Sensing of Mercury Species Dokyoung Kim, Mithun Santra, Hyunsoo Moon, Kyo Han Ahn Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, San 31 Hyoja-dong, Pohang 790-784, Republic of Korea

ENVIRONMENTAL AND GREEN CHEMISTRY

S4

ROOM 3, APRIL 17, 18, 2012

PROGRAM OF LECTURES

17/4/2012, SECOND DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL2
	Convener T. Albanis
PL2	<u>Ada Yonath (Nobel Laureate)</u> <i>Department of Structural Biology, Weizmann Institute, Rehovot 76100, Israel</i> From basic science to improved antibiotics
	Session: Environmental and Green Chemistry, S4, Room 3
	Chair: Biljana Škrbić-S.A. Bufo
9:00-9:30 S ₄ -OP1	<u>Alexandre Alexakis</u> Department of Organic Chemistry, University of Geneva, 30 quai Ernest Ansermet, Geneva 4, CH-1211 Switzerland Asymmetric Conjugate Addition of Carbonyl Compounds to Michael acceptors
9:30-10:00 S ₄ -OP2	S. Delacroix, ^{a,b} <u>A. Nguyen Van Nhien,</u> ^{a,b} M. Armand, ^{b,c} D. Postel, ^{a,b} ^a <i>Laboratoire des Glucides FRE 3517, Université de Picardie Jules Verne, 33 rue saint-leu, 80039 Amiens, France</i> ^b <i>Institut de Chimie de Picardie, FR 3085 CNRS, UFR des Sciences – Université de Picardie Jules Verne, 33 rue Saint Leu, 80039 Amiens cedex 1, France</i> ^c <i>Laboratoire de Réactivité et Chimie des Solides, UMR CNRS 7314, Université de Picardie Jules Verne, 33 rue Saint Leu, 80039 Amiens Cedex, France</i> Functionalized N-imidazolium salts-palladium-catalyzed efficient heterogeneous catalyst in water
10:00-10:30 S ₄ -OP3	<u>C. Santi</u> ^a ^a Department of “Chimica e Tecnologia del Farmaco” Università di Perugia, Via del liceo 1-06100 Perugia IT Bioinspired and Metal Free Catalytic Oxidations: a “Bio-Logic” use of Organoselenium reagent in Green Chemistry
10:30-11:00 S ₄ -OP4	<u>Biljana Škrbić,</u> Nataša Đurišić-Mladenović, Zlatica Predojević <i>University of Novi Sad, Faculty of Technology, Bulevar cara Lazara 1, 21000 Novi Sad, Serbia</i> Liquid biofuels production and characterisation: overview of the investigation
11:00-11:30	COFEE BREAK
11:30-12:00 S ₄ -OP5	<u>Manfred Grasserbauer</u> Vienna University of Technology, Getreidemarkt 9, A-1060 Wien Towards the Third Industrial Revolution: Challenges for Green Chemistry.
12:00-12:30 S ₄ -OP6	<u>Bahire Filiz Senkal,</u> Yesim Hepuzer Gursel, Erdem Yavuz Chemistry Department, Istanbul Technical University, Maslak, Istanbul, Turkey Preparation of PVC Based Sorbent for Removal of Boron from Aqueous Solutions
12:30-13:00 S ₄ -OP7	<u>S. R. Stoyanov,</u> ^a O. Lyubimova, ^{a,b} J. E. Cuervo, ^{a,b} S. Gusarov, ^a A. E. Kobryn, ^a A. Kovalenko ^{a,b} ^a <i>National Institute for Nanotechnology (NINT), 11421 Saskatchewan Drive, Edmonton, Alberta, T6G 2M9, Canada</i> ^b <i>Department of Mechanical Engineering, University of Alberta, Edmonton, Alberta, Canada</i> Multiscale theoretical modeling of the solvation structure and thermodynamics of grafted nanocrystalline cellulose for rational design of environmentally-friendly nanocomposites
13:00-14:30	LUNCH
14:30-16:00	POSTER SESSION

16:00-17:00	ROOM 1. PLENARY LECTURE, PL3
	Convener T. Mavromoustakos
PL3	Ivano Bertini, CERM, <i>University of Florence, Florence,</i> Protein-protein interactions in life processes
	Chair: Alexandre Alexakis, S. R. Stoyanov
17:00-17:30 S ₄ -OP8	T.G. Reichenauer^a <i>^a AIT Austrian Institute of Technology GmbH, Health & Environment Department, Business unit Environmental Resources and Technologies, Konrad-Lorenz-Straße 24, 3430 Tulln, Austria</i> Environmental Chemistry – Phytoremediation and other green remediation technologies
17:30-17:50 S ₄ -OP9	M.P.B. Espino,^{a,b} C.P. Fulong,^a J.N. Leon^b <i>^a Institute of Chemistry, University of the Philippines, Quezon City, Philippines</i> <i>^b Natural Science Research Institute, University of the Philippines, Quezon City, Philippines</i> Levels of Tetrabromobisphenol-A and Decabromodiphenyl Ether in Indoor Dust in the Philippines
17:50-18:10 S ₄ -OP10	N. Quinete, ^a R. Lavandier, ^a P. Dias, ^b S. Taniguchi, ^b Q. Wu, ^c R. Montone, ^b A.P.M. Di Benedetto, ^d K. Kannan, ^c I. Moreira^a <i>^aDepartment of Chemistry, PUC-Rio, Rua Marquês de São Vicente 225, Rio de Janeiro, Brazil</i> <i>^bInstitute of Oceanography, USP, Praça do Oceanográfico 191, São Paulo, Brazil</i> <i>^cDepartment of Environmental Health Sciences, State University of New York at Albany, Empire State Plaza, Albany, NY 12201-0509, USA</i> <i>^dLaboratory of Environmental Sciences, CBB-UENF, 28013-602, Campos dos Goytacazes, Brazil</i> Emerging Contaminants in Aquatic Environments: Studies in Tropical Estuarine Systems in the Rio de Janeiro Coast, Brazil
18:10-18:40	COFEE BREAK
18:40:-19:00 S ₄ -OP11	Jens Frackenhohl^a, Isabelle Adelt ^b , Horst Antonicek ^b , Christian Arnold ^b , Nicole Blaha ^a , Sabine Hohmann ^a , Elisabeth Peschel ^a , Thomas Schenke ^b , Robert Velten ^b , Hans-Christoph Weiss ^c <i>^a Bayer CropScience AG, Industriepark Höchst, G836, D-65926 Frankfurt a. Main</i> <i>^b Bayer CropScience AG, Alfred-Nobel-Strasse 50, D-40789 Monheim</i> <i>^c Currenta GmbH, Chemiepark Leverkusen, Q18, D-51368 Leverkusen</i> Insecticidal Heterolignans – In vivo SAR study of potent tubuline polymerization inhibitors with activity against chewing pests
19:00-19:20 S ₄ -OP12	A.A. Issa, Y.S. Al-Degs, and A.A. Olimat Chemistry Department, Hashemite University, P. O. Box 150459, Zarqa, Jordan Adsorptive Performance of Natural Jordanian Clays: Electroanalysis and Competitive Adsorption

18/4/2012 THIRD DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 4
	Convener Michitaka Oktaiki
PL4	Susumu Kitagawa <i>Institute for Integrated Cell-Material Sciences, Kyoto University, and Department of Synthetic Chemistry and Biological Chemistry, Kyoto University, Katsura, Nishikyo-ku, Kyoto, 615-8510, Japan Japan;</i> Evolution of Porous Coordination Polymers/Metal-Organic Frameworks
	Session: Environmental and Green Chemistry, S4, Room 3
	Chair: C. Santi-M. Grasserbauer
9:30-10:00 S ₄ -OP13	Triantafyllos A. Albanis and Vasileios A. Sakkas Department of Chemistry, University of Ioannina, Ioannina 45110, Greece TiO₂ photocatalytic decomposition of the biocides chlorothalonil and dichlofluanid
10:00-10:30 S ₄ -OP14	L. Scrano, F. Lelario and S.A. Bufo Department of Agriculture, Forestry and Environment, Via dell'Ateneo Lucano 10, Potenza, Italy Modified clay minerals for water cleaning and recycling
10:30-10:50 S ₄ -OP15	D.Shanthana Lakshmi , E. Piacentini, L. Giorno, E. Drioli, A. Figoli <i>Institute on Membrane Technology, ITM-CNR c/o University of Calabria, Via P. Bucci, Cubo 17/C 87030, Rende (CS) – Italy</i> Preparation of polymeric microspheres using membrane emulsification technique
10:50-11:20	COFFEE BREAK
11:20-11:40 S ₄ -OP16	M. Ebrahimi, ^a S. Doshman ziyari, ^a Kh. Bahrpaima , ^b ^a <i>Department of Chemistry, Marvdasht Branch, Islamic Azad University, Marvdasht, Iran</i> ^b <i>Department of Chemistry, Firoozabad Branch, Islamic Azad University, Firoozabad, Iran</i> Salting Effect on the Liquid– Liquid Equilibria for the Ternary Mixtures of (Water + Phosphoric Acid + Dichloromethane or 1, 2-Dichloroethane)
11:40-12:00 S ₄ -OP17	G.S. Pozan Soylu , A. Kambur <i>Chemical Engineering, Engineering Department, Istanbul University, Avcilar, 34320, Istanbul, Turkey</i> Synthesis, processing and characterization of nanocrystalline titanium dioxide
12:00-12:20 S ₄ -OP18	Muge Pilavtepe ^a , Ozlem Yesil-Celiktas ^a ^a <i>Department of Bioengineering, Faculty of Engineering, Ege University, 35100 Bornova-Izmir, Turkey</i> Supercritical fluid extraction of <i>Zostera marina</i> residues: An optimization and modeling study
12:20-12:40 S ₄ -OP19	Naglaa M. Abd El-Rahman ^{a,b} ^a <i>current address: Chemistry dept., Faculty of Science, Jazan University, KSA</i> ^b <i>permanent address: Green Chemistry Dept., National Research Centre, Cairo, Egypt</i> Ultrasonic assisted Solvent-free Synthesis of Isatinphosphate
12:40-13:00 S ₄ -OP20	Nikos Katsaros Scientific Collaborator of the Association of Hellenic Plastic Industries (AHPI), National Center of Scientific Research “Demokritos”, Institute of Physical Chemistry. Head of the Dept. of Human Nutrition, New York College, Greece, Oxobiodegradable Polyolefins: Their Biodegradation and Recycling
13:00-14:00	LUNCH
14:30-16:00	POSTER SESSION

POSTER SESSION ENVIRONMENTAL AND GREEN CHEMISTRY, S4

S₄-PP1	<p>(Liquid +Liquid) Equilibria of Quaternary Systems containing and Phosphoric Acid, Dichloromethane, 1, 2-Dichloroethane and Water S. Doshman ziyari,^a M. Ebrahimi,^a <u>Kh. Bahrpaima</u>,^b ^a Department of Chemistry, Marvdasht Branch, Islamic Azad University, Marvdasht, Iran ^b Department of Chemistry, Firoozabad Branch, Islamic Azad University, Firoozabad, Iran</p>
S₄-PP2	<p>Swelling behavior of Crosslinked Poly (vinyl alcohol)/ Acrylic acid copolymer for Removal of Heavy Metal Ions from aqueous Solutions <u>Ghada A. Mahmoud</u>^a, Yahya H. F. Al- qudah^b, <i>M.A. Abdel Khalek</i> ^c ^a National Center for Radiation Research and Technology (NCRRT), Cairo, Egypt ^b Al-Balqa Applied Unhversity, Zarka College, Jordan ^c Central Metallurgical Research and Development Institute, (CMRDI) P.O. Box 87, Helwan, Cairo, Egypt.</p>
S₄-PP3	<p>Thermal stability of KNbO₃ perovskite-type oxide for soot elimination. B. Cabrera^a, E. J. Delgado^a, R. Jimenez^b, X. García^b, G. Pecchi^{a*} ^a:Department of Physical Chemistry, ^b:Department of Chemical Engineering, University of Concepción, Concepción, Chile.</p>
S₄-PP4	<p>The preparation and characterization of ZnO-TiO₂ binary oxide for photocatalytic degradation of 4-chlorophenol <u>G.S. Pozan Soylu</u>, A.Kambur, M.Isleyen, S.Gokcen Chemical Engineering, Engineering Department, Istanbul University, Avcilar, 34320, Istanbul, Turkey</p>
S₄-PP5	<p>Study of the catalytic activity of peroxo complexes in oxidation reactions and their utilization as green catalysts. <u>V. Tsitsias</u>¹, A. Maniatakou¹, E. Efthimiadou² A.G. Kontos³, P. Falaras³, A. Karaliota^{1*} ¹Department of Chemistry, University of Athens, Panepistimioupoli 15771, Athens, Greece, ²Institute of Materials Science, NCSR ‘Demokritos’, GR-15310 Aghia Paraskevi Attikis, Greece ³Institute of Physical Chemistry, NCSR ‘Demokritos’, GR-15310 Aghia Paraskevi Attikis, Greece.</p>
S₄-PP6	<p>Study of lactose uptake rate by kefir cells immobilized on orange peel, using ¹⁴C-labelled lactose during whey fermentation <u>S. Maragkou</u>^a, M. Soupioni^a, M. Kanellaki^b, H. Papaefthymiou^a, T. Aggelopoulos^b ^aNuclear Chemistry group, Department of Chemistry, University of Patras, 26500 Patras, Greece ^bFood Biotechnology Group, Department of Chemistry, University of Patras, 26500 Patras, Greece email</p>
S₄-PP7	<p>Preparation and Photoactivity of La³⁺ doped TiO₂ prepared by Microwave Assisted Hydrothermal Process Jelena Nešić,^a Biljana P. Dojčinović,^b Ivan Anđelković,^a Munera Mustafa Aonyas,^a Dragan D. Manojlović,^a Goran M. Roglić,^a ^a Faculty of Chemistry, University of Belgrade, Studentski Trg 12-16, 11001 Belgrade, Serbia ^b Center for Chemistry, IHTM, University of Belgrade, Studentski Trg 12-16, 11001 Belgrade, Serbia</p>
S₄-PP8	<p>PhSeZn-Halides: Nucleophilic Reagents in “on water conditions” <u>C. Santi</u>, ^a B. Battistelli, C. Tidei, L. Testaferri, M. Tiecco ^a Department of “Chimica e Tecnologia del Farmaco” Università di Perugia, Via del liceo 1-06100 Perugia IT</p>
S₄-PP9	<p>Effect of preparation method on the photocatalytic activity of nanopowder TiO₂-ZrO₂ for phenol degradation <u>G.S. Pozan Soylu</u>, A.Kambur Chemical Engineering, Engineering Department, Istanbul University, Avcilar, 34320, Istanbul, Turkey</p>

S₄-PP10	Biocatalytic Preparation Of Bioactive Lipoic Acid Derivatives In “Green” Media A. Papadopoulou ¹ , E. Kyriakou ² , A.C. Polydera ¹ , M. Katsoura ¹ , <u>A. Tzakos</u> ² and H. Stamatis ¹ ¹ <i>Department of Biological Application and Technologies, University of Ioannina</i> ² <i>Department of Chemistry, University of Ioannina</i>
S₄-PP11	Removal of Methylene Blue from Aqueous Solution by Using Polymer Modified Bentonite <u>Erdem Yavuz</u> , Billur Baydar, Esma Ahlatcioglu, <u>Bahire Filiz Senkal</u> <i>Istanbul Technical University, Chemistry Department, Maslak, Istanbul, Turkey</i>
S₄-PP12	Study of the reaction between Molybdenum and hydrogen peroxide, isolation and characterization of the dominant complexes A. Galani ¹ , <u>V. Tsitsias</u> ¹ , E. Efthimiadou ² , A. Karaliota ^{1*} ¹ <i>Department of Chemistry, University of Athens, Panepistimioupoli 15771, Athens, Greece,</i> ² <i>Institute of Physical Chemistry, NCSR ‘Demokritos’, GR-15310 Aghia Paraskevi Attikis, Greece.</i>
S₄-PP13	Discrimination of Biodiesel Origin Using Chemometrics B. Škrbić, N. Đurišić Mladenović, Z. Predojević, J. Cvejanov <i>Faculty of Technology, University of Novi Sad, Bulevar cara Lazara 1, 21000 Novi Sad, Serbia</i>
S₄-PP14	Adsorption Study of Metal Ions on Electrochemically Synthesized Poly-(ortho-phenylenediamine) Abdunnaser. M. Etorki ^a and <u>Mahmoud A El Rais</u> ^a , M. M. Abuein ^a and H.M. Kut ^b ^a <i>Department of Chemistry, University of Tripoli, Tripoli, Libya, PO-Box-13203,</i> ^b <i>Libyan Petroleum Institute, PO-Box-6431 Tripoli, Libya</i>
S₄-PP15	Speciation of Inorganic Arsenic and Selenium in contaminated Ground Water Samples Collected from Two Areas (Alkermiah and Al-Sawani) in Tripoli-Libya <u>A.M. Etorki</u> and F.M.N.Massoudi <i>Department of Chemistry, PO-Box-13203 University of Tripoli, Tripoli, Libya,</i>
S₄-PP16	<u>Rita M. Borik</u> <i>Department of Chemistry, Faculty of Science, Jazan university, KSA</i> Ultrasound as a Green Energy for Solvent-Free Synthesis of Dihydropyrimidinones

PHYSICAL CHEMISTRY AND SPECTROSCOPY

S5

ROOM 4, APRIL 17, 18, 2012

PROGRAM OF LECTURES

17/4/2012, SECOND DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL2
	Convener T. Albanis
PL2	Ada Yonath (Nobel Laureate) <i>Department of Structural Biology, Weizmann Institute, Rehovot 76100, Israel</i> From basic science to improved antibiotics
	Session: Physical Chemistry and Spectroscopy, S5, Room 4
	Chair: Ian S. Butler, J. Smulevich
9:00-10:00 S ₅ -OP1	Erik Larsen <i>^a Department of Chemistry, University of Copenhagen, Denmark</i> Reversible cobalt(III)-carbanion bonds
10:00-10:20 S ₅ -OP2	I.I.Greenwald, I.V. Vorotyntsev, I.Yu. Kalagaev , E.A. Sutyagina, A.N. Petukhov <i>Department of Chemistry, State Technical University, Minin street 24, Nizhny Novgorod, Russia</i> The hydrogen transfer at interaction of water and ammonia in KBr matrix. An IR and DFT study
10:20-10:45 S ₅ -OP3	Patrick Batail <i>Laboratoire MOLTECH-Anjou, CNRS & University of Angers, France</i> Photo-activation of crystalline parks of quantum propellers
10:45-11:10 S ₅ -OP4	T. Friščić , ^a I. Halasz, ^b S. A. J. Kimber, ^c V. Honkimäki, ^c R. E. Dinnebier ^d <i>^a Department of Chemistry, McGill University, Montreal, Canada,</i> <i>^b Department of Chemistry, Faculty of Science, University of Zagreb, Zagreb, Croatia</i> <i>^c European Synchrotron Radiation Facility, Grenoble Cedex, France</i> <i>^d Max-Planck Institute for Solid State Research, Stuttgart, Germany</i> Mechanistic studies of mechanochemical reactions
11:10-11:40	COFFEE BREAK
11:40-12:10 S ₅ -OP5	Ian S. Butler <i>Department of Chemistry, McGill University, 801 Sherbrooke Street West, Montreal, Quebec, Canada H3A 2K6</i> Recent high-pressure and variable-temperature Raman microscopy and X-ray powder diffraction studies of selected inorganic materials
12:10-12:30 S ₅ -OP6	Theodore Lazarides , ^{a,c} Susanne Kuhri, ^b Georgios Charalambidis, ^c Manas K. Panda, ^c Dirk M. Guldi, ^b Athanassios G. Coutsolelos ^c <i>^a Department of Chemistry, University of Ioannina, Dourouti Campus, 45110 Ioannina, Greece</i> <i>^b Department of Chemistry and Pharmacy, Interdisciplinary Center for Molecular Materials (ICMM), Friedrich-Alexander-Universitaet Erlangen-Nuernberg, Egerlandstr. 3, 91058 Erlangen, Germany</i> <i>^c Department of Chemistry, University of Crete, Voutes Campus, 71003 Heraklion, Greece</i> Arrays featuring two Bodipy chromophores axially bound to a Sn(IV)porphyrin via a phenolate or a benzoate bridge: electron versus energy transfer
12:30-13:00 S ₅ -OP7	Gérard Jaouen , ^a Nathalie Fischer-Durand, ^a Anne Vessières, ^a Michelle Salmain, ^a Siden Top, ^a Ian S. Butler, ^b <i>^a Ecole Nationale Supérieure de Chimie de Paris, Laboratoire Charles Friedel, 11 rue Pierre et Marie Curie 75231 Paris Cedex 05, France</i> <i>^b Chemistry Department, McGill University, 801 Sherbrooke Street West, Montreal, Quebec, H3A2K6, Canada</i> Metal Carbonyl Complexes as non-isotopic tracers in biology. Examples and recent developments in CMIA (Carbonyl Metallo Immuno Assay)
13:00-14:30	LUNCH
14:30-16:00	POSTER SESSION

16:00-17:00	ROOM 1. PLENARY LECTURE, PL3
	Convener T. Mavromoustakos
PL3	Ivano Bertini, CERM, <i>University of Florence, Florence,</i> Protein-protein interactions in life processes
	Chair: JE. Larsen, P Batail
17:00-17:30 S ₅ -OP8	J. Mink ^{1,2,3,4} , J. Mihály ^{1,4} , E. Pfeifer ^{1,4} , V. Komlósi ¹ , V. Gombás ¹ , B. Illés ¹ , Z. Bacsik ³ , L. Kocsis ¹ , Cs. Németh ^{1,4} , L. Hajba ² ¹ <i>Institute of Structural Chemistry, Chemical Research Center of Hungarian Academy of Sciences, H-1525 Budapest, Hungary,</i> ² <i>Research Institute of Chemical and Process Engineering, Faculty of Information Technology, University of Pannonia, H-8201 Veszprém, Hungary</i> ³ <i>Department of Materials and Environmental Chemistry, Stockholm University, SE-106 91 Stockholm, Sweden</i> ⁴ <i>Institute of Molecular Pharmacology, Research Centre of Natural Sciences, Hungarian Academy of Sciences, H-1525 Budapest, Hungary</i> Disease recognition by Infrared and Raman Spectroscopy and Microscopy
17:30-17:50 S ₅ -OP9	Andrea Pavlou, ^a Hideaki Yoshimura, ^b Shigetoshi Aono, ^b Eftychia Pinakoulaki ^a ^a <i>Department of Chemistry, University of Cyprus, PO BOX 20537, 1678 Nicosia, Cyprus</i> ^b <i>Okazaki Institute for Integrative Bioscience, National Institutes of Natural Sciences 5-1 Higashiyama, Myodaiji, Okazaki, Aichi 444-8787 Japan</i> Structural Properties and Dynamics of the Signal Transducer Protein HemAT as Revealed by Time-Resolved Step Scan FTIR Spectroscopy
17:50-18:20	COFFEE BREAK
18:20-18:45 S ₅ -OP10	Clotilde Policar, ^{a,b,c} Sylvain Clède, ^{a,b,c} François Lambert, ^{a,b,c} Christophe Sandt, ^e Zoher Gueroui, ^{a,b,d} Nicolas Delsuc, ^{a,b,c} Paul Dumas, ^e Marie-Aude Plamont, ^f Anne Vessièrès ^f Rui Prazeres, ^g Jean-Michel Ortega ^g Alexandre Dazzi ^g <i>(a) Ecole Normale Supérieure, Département de chimie, 24, rue Lhomond, 75005 Paris, France, (b) Université Pierre et Marie Curie Paris 6, 4, Place Jussieu, 75005 Paris, France (c) CNRS, UMR7203, France (d) CNRS, UMR8640, France (e) SMIS Synchrotron SOLEIL Saint-Aubin, 91192, Gif-sur-Yvette Cedex France, (f) Laboratoire Friedel, Chimie ParisTech, CNRS, UMR7223, 11, rue Pierre et Marie Curie, 75231 Paris France (g) LCP, CNRS-UMR8000 Université Paris-Sud 11, 91405 Orsay</i> IR-Spectromicroscopy for Subcellular Imaging: Cellular Mapping of a Metal-Carbonyl Exogenous Compound using AFM-IR and SR-FTIR
18:45-19:10 S ₅ -OP11	F.P. Nicoletti ^a , E. Droghetti ^a , L. Boechi ^b , N. Sciamanna ^c , J.P. Bustamante ^b , A. Bonamore ^c , D.A. Estrin ^b , A. Boffi ^c , A. Feis ^a , G. Smulevich ^a ^a <i>Dipartimento di Chimica "Ugo Schiff", Università di Firenze, Via della Lastruccia 3-13, Sesto Fiorentino (FI), Italy</i> ^b <i>Departamento de Química Inorgánica, Analítica y Química Física / INQUIMAE-CONICET, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires. Ciudad Universitaria, Pabellón II, Buenos Aires (C1428EHA), Argentina</i> ^c <i>Institute Pasteur, Fondazione Cenci Bolognetti, Department of Biochemical Sciences and CNR, Institute of Molecular Biology and Pathology, University of Rome "La Sapienza", Piazzale Aldo Moro 5, Rome, Italy</i> Hydrogen bonding distal cavity interactions in <i>Thermobifida fusca</i> hemoglobin

18/4/2012 THIRD DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 4
	Convener Michitaka Ohtaki
PL4	Susumu Kitagawa <i>Institute for Integrated Cell-Material Sciences, Kyoto University, and Department of Synthetic Chemistry and Biological Chemistry, Kyoto University, Katsura, Nishikyo-ku, Kyoto, 615-8510, Japan Japan;</i> Evolution of Porous Coordination Polymers/Metal-Organic Frameworks
	Session: Physical Chemistry and Spectroscopy, S5, Room 4
	Chair: Clotilde Policar, T. Friščić
9:30-9:55 S ₅ -OP12	Christos Pilotas^{1*} , Richard Ward ¹ , Emma Branigan ¹ , Akiko Rasmussen ² , Ian R Booth ² , Olav Schiemann ¹ & James H Naismith ¹ ¹ Biomedical Sciences Research Complex, University of St Andrews, North Haugh, St Andrews KY16 9ST, UK ² Institute of Medical Sciences, University of Aberdeen, Foresterhill, Aberdeen AB25 2ZD, UK Conformational state of the MscS mechanosensitive channel in solution revealed by PELDOR (DEER) spectroscopy
9:55-10:15 S ₅ -OP13	Christos T Chasapis, ^a Ariadni Loutsidou, ^a Maritimi Vlachou, ^a Matina Tsapardoni, ^a Danaï Giannari, ^a Detlef Bontrop, ^b Vasso Episkopou, ^c Georgios A. Spyroulias^a ^a Department of Pharmacy, University of Patras, GR-26504, Patras, Greece, ^b Institute of Physiology II, University of Freiburg, D-79104 Freiburg, Germany ^c Imperial School of Medicine, Hammersmith Hospital, London W12 0NN, United Kingdom NMR study of Arkadia E3 Ubiquitin Ligase domain to correlate Zn(II) coordination with protein architecture, dynamics and function
10:15-10:35 S ₅ -OP14	T. Mavromoustakos^a , C. Koukoulitsa ^a , X. Tzoupis ^{a,b} , M. Papadopoulos ^{a,b} , G. Leonis ^b , D. Ntountaniotis ^c , G. Aggelis ^c , T. Tselios ^c , J. Matsoukas ^c , G. Liapakis ^d , E. Vrontaki ^a , S.K. Hadjikakou ^e , S. Golic Grdadolnik ^{f,g} , M. Simcic ^f , G. Mali ^{f,g} , C. Glaubitz ^h , J. Baldus ^h , S. Durdagi ^k ^a Organic Chemistry Laboratory, Department of Chemistry, University of Athens, Athens, Greece ^b National Hellenic Research Foundation, Institute of Organic and Pharmaceutical Chemistry, Vas. Constantinou 11635, Athens, Greece ^c Department of Chemistry, University of Patras, Patras 26500, Greece ^d School of Medicine University of Crete, School of Medicine, Iraklion Crete, Greece ^e Section of Inorganic and Analytical Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece ^f Laboratory of Biomolecular Structure, National Institute of Chemistry, Hajdrihova 19, SI-1001 Ljubljana, Slovenia ^g EN-FIST Centre of Excellence, Dunajska 156, SI-1000 Ljubljana, Slovenia ^h Goethe University Frankfurt Institute of Biophysical Chemistry@Centre for Biomolecular Magnetic Resonance ^k Institute of Biocomplexity and Informatics, Department of Biological Sciences, University of Calgary, 2500 University Drive, Calgary, AB, Canada T2N 1N4 Applications of NMR Spectroscopy in the Organic and Medicinal Chemistry
10:35-10:55 S ₅ -OP15	R. Pievo^a , A.J. Fielding, ^a B. Angerstein, ^a C. Koch, ^b I. Feussner ^b and M. Bennati ^{a,c} ^a Research Group Electron Paramagnetic Resonance - Max Planck Institute for Biophysical Chemistry - Am Fassberg 11, D-37077 Göttingen, Germany (roberta.pievo@mpibpc.mpg.de) ^b Dept. of Plant Biochemistry, Albrecht-von-Haller-Institute for Plant Sciences, Georg-August-University Göttingen, Justus-von-Liebig-Weg 11 D-37077 Göttingen, Germany ^c Institute of Organic and Biomolecular Chemistry, Georg-August-University Göttingen, Tammannstraße 2, D-37077 Göttingen, Germany Multi-frequency EPR spectroscopy coupled with micro-freeze quench technique as a powerful tool to investigate enzymatic reactions
10:55-11:15 S ₅ -OP16	Hamzeh M. Abdel-Halim <i>Department of chemistry, Petra University, College of Arts and Sciences, Amman, Jordan</i> Reaction Rate Constant of Atom-Diatom Molecule Collisions: Effect of Potential Energy Surfaces
11:15-11:45	COFFEE BREAK

POSTER SESSION
PHYSICAL CHEMISTRY AND SPECTROSCOPY, S5

S₅-PP1	<p>The Influence of the Jahn-Teller Effect on the Aromaticity in a Benzene Cation and Anion Ljubica Andjelković,^a Matija Zlatar,^a Maja Gruden-Pavlović^{b,c} ^a Center for Chemistry, IHTM, University of Belgrade, Studentski Trg 12-16, 11001 Belgrade, Serbia ^b Faculty of Chemistry, University of Belgrade, Studentski Trg 12-16, 11001 Belgrade, Serbia ^c Department of Chemistry, University of Fribourg, Chemin du Musée 9, CH-1700 Fribourg Switzerland</p>
S₅-PP2	<p>Synthesis and Spectral Properties of New Organic Dyes for White Organic Light Emitting Diodes H. Dincalp,^a O. Çimen,^a İ. Öner,^b C. Varlıklı,^b M. Öztürk,^c Y.H. Kaya,^c S. İçli^b ^a Department of Chemistry, Faculty of Arts and Science, Celal Bayar University, 45030, Muradiye-Manisa, Turkey ^b Department of Energy, Solar Energy Institute, Ege University, 35100, Bornova-Izmir, Turkey ^c EAE Electric Joint Stock Company, Çakmaklı District, 2. Street, 119 Street, No:12, 34522, Hadımköy-Istanbul, Turkey</p>
S₅-PP3	<p>Dioxygen bond cleavage mechanism by cytochrome c oxidase: Mechanistic Implications for proton motion Constantinos Varotsis,^a Vangelis Daskalakis,^a Takehiro Ohta,^b Kerstin Budiman,^c Oliver-Matthias H. Richter,^d Teizo Kitagawa,^b Bernd Ludwig^d ^a Cyprus University of Technology, Department of Environmental Science and Technology, P.O. Box 50329, 3603 Lemesos, Cyprus ^b Okazaki Institute for Integrative Bioscience, National Institutes of Natural Sciences 5-1 Higashiyama, Myodaiji, Okazaki, Aichi 444-8787 Japan ^c Max-Planck Institut für Biophysik, D-60439 Frankfurt am Main, Germany ^d Institute of Biochemistry, Biozentrum, Johann Wolfgang Goethe-Universität, Marie-Curie-Str. 9, D-60439 Frankfurt/M., Germany</p>
S₅-PP4	<p>An algorithm for background determination of biomedical Raman spectra using topological descriptors N. Kourkouvelis Department of Medical Physics, Medical School, University of Ioannina, Ioannina, 45110 Greece</p>
S₅-PP5	<p>Mechanism of the Magnetic Couplings Mediated Through the Non-covalent Interactions Marko Perić,^a Matija Zlatar,^a Maja Gruden-Pavlović^b ^a Center for Chemistry, IHTM, University of Belgrade, Studentski Trg 12-16, 11001 Belgrade, Serbia ^b Faculty of Chemistry, University of Belgrade, Studentski Trg 12-16, 11001 Belgrade, Serbia</p>
S₅-PP6	<p>End-to-end distance determination in a cucurbit[6]uril-based rotaxane by PELDOR spectroscopy R. Pievo,^a C. Casati,^b P. Franchi,^b E. Mezzina,^b M. Bennati,^a M. Lucarini^b ^a Research Group Electron Paramagnetic Resonance, Max Planck Institute for Biophysical Chemistry, am Faßberg 11, 37077 Göttingen, Germany. ^b Dep. of Organic Chemistry "A. Mangini", University of Bologna, Via S. Giacomo 11 40126, Bologna, Italy.</p>
S₅-PP7	<p>MALDI TOF mass spectrometric detection and isotopic fingerprinting of iron(III) chloride Maja Radisavljević, Tina Kamčeva, Iva Vukićević, Marijana Petković Department of Physical Chemistry, Institute of Nuclear Science „Vinča“, Mike Petrovića Alasa 12-14, Belgrade, Serbia</p>
S₅-PP8	<p>XPS study of surface complexation between trace metal ions and self-assembled monolayers A. M. Etorki*, M. A. El Rais and M. M. Abuein Department of Chemistry, Science College, University of Tripoli, PO-Box-13203, Tripoli, Libya,</p>
S₅-PP9	<p>Development of a SERS-based chemical sensor to monitor benzophenones: application to breakfast cereals E. Droghetti,^a F.P. Nicoletti,^a L. Guandalini,^b G. Bartolucci,^b G. Smulevich,^a</p>

	<p>^a Dipartimento di Chimica "Ugo Schiff", Università di Firenze, via della Lastruccia 3-13, Sesto Fiorentino, Italy</p> <p>^b Dipartimento di Scienze Farmaceutiche, Università di Firenze, via Ugo Schiff 6, Sesto Fiorentino, Italy</p>
S₅-PP10	<p>Recognition Pliability is Coupled to Structural Heterogeneity: a Calmodulin - Intrinsically Disordered Binding Region Complex</p> <p>Malini Nagulapalli,^a Giacomo Parigi,^a Jing Yuan,^a Joerg Gsponer,^{b,c} George Deraos,^d Vladimir V. Bamm,^e George Harauz,^e John Matsoukas,^d Ioannis P. Gerothanassis,^f M. Madan Babu,^b Claudio Luchinat,^a * & <u>Andreas G. Tzakos</u>^f</p> <p>^aMagnetic Resonance Center (CERM), University of Florence, Via Luigi Sacconi 6, 50019 Sesto Fiorentino, Italy.</p> <p>^bMRC Laboratory of Molecular Biology, Cambridge, UK.</p> <p>^cCentre for High-Throughput Biology, University of British Columbia, Vancouver, BC, V6T 1Z4</p> <p>^dDepartment of Chemistry, University of Patras, 26500, Patras, Greece.</p> <p>^eDepartment of Molecular and Cellular Biology, and Biophysics Interdepartmental Group, University of Guelph, 50 Stone Road East, Guelph, Ontario, Canada N1G 2W1.</p> <p>^fDepartment of Chemistry, University of Ioannina, 45110, Ioannina, Greece,</p>
S₅-PP11	<p>Experimental charge density studies and topological analysis of (4,5-dihydro-1H-imidazol-2-yl)diphenylmethanol</p> <p><u>Anita M. Owczarzak</u>^a, Maciej Kubicki^a, Reza Kia^b, Hadi Kargar^c</p> <p>^a Faculty of Chemistry, Adam Mickiewicz University in Poznań (Poland).</p> <p>^b Structural Dynamics of (Bio)Chemical Systems, Max-Planck-Institute for Biophysical Chemistry Am Fassberg 11, 37077 Goettingen, Germany.</p> <p>^c Department of Chemistry, Payame Noor University, PO BOX 19395-3697 Tehran, I. R. of IRAN.</p>
S₅-PP12	<p>FTIR Emission Spectroscopic Study of the "Magic" Black Powders</p> <p>J. Mink^{1,2,3,4}, Cs. Németh^{1,4}, J. Mihály^{1,4}</p> <p>¹Institute of Structural Chemistry, Chemical Research Center of Hungarian Academy of Sciences, H-1525 Budapest, Hungary, e-mail: jmink@chemres.hu</p> <p>²Research Institute of Chemical and Process Engineering, Faculty of Information Technology, University of Pannonia, H-8201 Veszprém, Hungary</p> <p>³Department of Materials and Environmental Chemistry, Stockholm University, SE-106 91 Stockholm, Sweden</p> <p>⁴present address: Institute of Molecular Pharmacology, Research Centre of Natural Sciences, Hungarian Academy of Sciences, H-1525 Budapest, Hungary</p>
S₅-PP13	<p>Rheological and spectroscopic investigations of sol-gel silica-based biomaterials in the presence of salts</p> <p><u>F. Talos</u>,^a A. Ponton,^b S. Simon^a</p> <p>^a Babeş-Bolyai University, Faculty of Physics, M. Kogalniceanu 1, 400084 & * Interdisciplinary Research Institute on Bio-Nano-Sciences, Treboniu Laurian 42, 400271, Cluj-Napoca, Romania</p> <p>^b Laboratory MSC, UMR 7057, Univ Paris Diderot, Sorbonne Paris Cité, Bât. Condorcet CC 7056, 10 rue Alice Domon et Léonie Duquet, 75205 Paris Cedex 13, France</p>
S₅-PP14	<p>Voltammetric determination of Modocate using Square wave voltammetry (S.W.V.) technique: Application to blood serum and urine of schizophrenic patient</p> <p>Saddalah Tawfeaq Sulaiman, <u>Mohammed Mohammed Ameen Abdullah Al-Imam</u>*, Janan Hazim Abdul-Razzak Al-ghadhanfary</p> <p>Department of Chemistry, college of Science, University of Mosul</p> <p>Department of Chemistry, college of Education, University of Mosul</p> <p>Department of Pathology, College of Medicine, University of Mosul</p>
S₅-PP15	<p>Novel NMR Methods in the Analysis of Complex Plant Extracts</p> <p>P. Charisiadis^a, A. Primikyri^a, V. Kontogianni^a, C.G. Tsiafoulis^b, V. Exarchou^b, A.G. Tzakos^a, I.P. Gerothanassis^a</p> <p>^aSection of Organic Chemistry and Biochemistry, Department of Chemistry, University of Ioannina, Ioannina, Greece. ^bNMR Center, University of Ioannina, Ioannina, Greece.</p>
S₅-PP16	<p>Investigation of the drug stability at the amorphous state for two aryl propionic acid derivatives using thermal analysis</p> <p>Ela Hoti,^a Ledjan Malaj,^a <u>Gentiana Qendro</u>,^b</p> <p>^a Department of Pharmacy, Faculty of Medicine, University of Tirana, Tirana, Albania</p> <p>^b Department of Pharmacy, University "Planetar of Tirana", Tirana, Albania,</p>

THEORETICAL AND COMPUTATIONAL CHEMISTRY

S6

ROOM 4, APRIL 18, 2012

PROGRAM OF LECTURES

18/4/2012 THIRD DAY	
	Session: Theoretical and Computational Chemistry S6 Room 4
	Chair: S. Xantheas- Eduardo J. Delgado
11:45-12:10 S ₆ -OP1	W. Nakanishi <i>Department of Material Science and Chemistry, Faculty of Systems Engineering, Wakayama University,</i> 930 Sakaedani, Wakayama 640-8510, Japan Dynamic and Static Behaviours of Interactions in Multi-Interaction Systems Elucidated by Atoms-in-Molecules Dual Functional Analysis
12:10-12:35 S ₆ -OP2	A. Albeck , M. Shokhen, N. Khazanov Department of Chemistry, Bar Ilan University, Ramat Gan, Israel Factors Controlling Enzyme Acid/Base Catalysis Or The pK_a of Catalytic Residues in the Enzyme Active Site
12:35-13:05 S ₆ -OP3	N. Russo Dipartimento di Chimica, Università della Calabria, Rende (CS), 87036 Rende, Italia Computational Chemistry in Anticancer Research
13:05-14:30	LUNCH
14:30-16:00	POSTER SESSION
16:00-17:00	ROOM 1. PLENARY LECTURE, PL 5
	Convener: S. Perlepes
PL5	G. Christou , ^a Tu N. Nguyen, ^a Khalil A. Abboud, ^a and Wolfgang Wernsdorfer ^b ^a <i>Department of Chemistry, University of Florida, Gainesville, Florida 32611, USA</i> ^b <i>Institut Néel-CNRS, 38042 Grenoble, Cedex 9, France</i> Supramolecular Aggregation of Manganese Clusters: Linkage of Single-Molecule Magnets into Rectangles and Other Motifs
	Session: Theoretical and Computational Chemistry S6 Room 4
	Chair: S A. Albeck – N Russo
17:00-17:30 S ₆ -OP4	Sotiris S. Xantheas Chemical & Materials Sciences Division, Pacific Northwest National Laboratory, 902 Battelle Boulevard, P.O. Box 999, MS K1-83, Richland, WA 99352, USA The performance of Density Functional Theory for Hydrogen Bonded Systems: Shortcomings and Solutions
17:30-17:55 S ₆ -OP5	Omar Alvarado, Gonzalo Jaña, Eduardo J. Delgado Computational Biological Chemistry Group (QBC), Faculty of Chemical Sciences, Universidad de Concepción, Concepción, Chile. A DFT study on the formation of Lactil-ThDP intermediate
17:55-18:25	COFFEE BREAK
18:25-18:45 S ₆ -OP6	G.K. Gueorguiev Department of Physics, Chemistry and Biology - IFM, Linköping University, S-581 83 Linköping, Sweden Synthetic growth by DFT – a conceptual method for predicting nanostructured materials and guiding their synthesis
18:45-19:05 S ₆ -OP7	T.S. Hofer , Alexander K. H. Weiss and Bernd M. Rode a Theoretical Chemistry Division, Institute of General, Inorganic and Theoretical Chemistry, University of Innsbruck, Innrain 80-82, A-6020 Innsbruck, Austria Capabilities and Challenges of Hybrid Ab Initio/Molecular Mechanical Simulation Studies of Liquids and Solutions
19:05-19:30 S ₆ -OP8	Tiziana Marino , Nino Russo and Marirosa Toscano Dipartimento di Chimica Università della Calabria, I-87030 Arcavacata di Rende (CS), Italy, Catalytic promiscuity: how quantum chemical investigations can contribute to elucidate reaction mechanisms of metalloenzymes

POSTER SESSION THEORETICAL AND COMPUTATIONAL CHEMISTRY

S₆-PP1	Medium-size basis sets for optical rotation calculations <u>A. Baranowska-Łączkowska</u> ^a <i>^a Institute of Physics, Kazimierz Wielki University, Pl. Weyssenhoffa 11, 85-072 Bydgoszcz, Poland</i>
S₆-PP2	Relativistic Effect on ⁷⁷Se NMR Chemical Shifts of Various Selenium Species in the Framework of Zeroth-Order Regular Approximation <u>S. Hayashi</u> , Y. Katsura, and W. Nakanishi* <i>Department of Material Science and Chemistry, Faculty of Systems Engineering, Wakayama University, 930 Sakaedani, Wakayama 640-8510, Japan;</i>
S₆-PP3	Oriental Effect on ⁷⁷Se NMR Chemical Shifts of Aryl Selenides as Standards for the Structural Determination in Solutions <u>S. Hayashi</u> , A. Tanioku, and W. Nakanishi* <i>Department of Material Science and Chemistry, Faculty of Systems Engineering, Wakayama University, 930 Sakaedani, Wakayama 640-8510, Japan;</i>
S₆-PP4	Calculation of interaction energies and induced electric properties of large molecular systems using medium-size basis sets <u>K. Z. Łączkowski</u> , ^a A. Baranowska-Łączkowska ^b <i>^a Department of Chemical Technology and Pharmaceuticals, Collegium Medicum, Nicolaus Copernicus University, Jurasz 2, 85-089 Bydgoszcz, Poland, krzysztof.laczkowski@cm.umk.pl</i> <i>^b Institute of Physics, Kazimierz Wielki University, Pl. Weyssenhoffa 11, 85-072 Bydgoszcz, Poland</i>
S₆-PP5	Fuzzy Clustering of Oils and Fats According to Their Lipophilicity <u>C. Sârbu</u> , R.D. Naşcu-Briciu <i>Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Arany Janos Str., No 11, RO-400028, Cluj-Napoca, Romania</i>
S₆-PP6	The dilemma of the Cerium Monoxide for Binding either to Concave or Convex π-Surfaces of Buckybowls <u>Athanassios C. Tsipis</u> <i>Laboratory of Inorganic and General Chemistry, Department of Chemistry, University of Ioannina, 451 10 Ioannina</i>
S₆-PP7	Computational studies of the electronic structure and transport through large-area molecular electronic junctions <u>S. R. Stoyanov</u> , ^a O. Zelyak, ^{a,b} S. Gusarov, ^a A. J. Bergren, ^a R. L. McCreery, ^{a,c} A. Kovalenko ^{a,b} <i>^a National Institute for Nanotechnology (NINT), 11421 Saskatchewan Drive, Edmonton, Alberta, T6G 2M9, Canada</i> <i>^b Department of Mechanical Engineering, University of Alberta, Edmonton, Alberta, Canada</i> <i>^c Department of Chemistry, University of Alberta, Edmonton, Alberta, Canada</i>
S₆-PP8	Ab initio and DFT investigation of the structural and thermochemical properties of the peroxyoxynitrates CH₃S(O)_nOONO₂ and the CH₃S(O)_nOO decomposition radicals (n=0,1,2) <u>Zoi Salta</u> , ^a Agnie Mylona Kosmas ^a and Antonija Lesar ^b <i>^a Division of Physical Chemistry, Department of Chemistry, University of Ioannina, Greece 45110</i> <i>^b Department of Physical and Organic Chemistry, Institute Jožef Stefan, Jamova 39, SI-1000, Ljubljana, Slovenia</i>

ORGANOMETALLIC CHEMISTRY AND CATALYSIS

S7

ROOM 4, APRIL 20, 21, 2012

20/4/2012 FIFTH DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 6
	Convener Z. Guo
PL6	P.J. Sadler <i>Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK</i> Organometallic and Photoactivatable Precious Metal Anticancer Complexes
	Session: Organometallic Chemistry and Catalysis S7 Room 4
	Chair: Saim Özkar, A. Poater
9:30-10:00 S ₇ -OP1	Maurizio Peruzzini , ^a Antonella Guerriero, ^a Luca Gonsalvi, ^a Frederic Hapiot, ^b Donald Krogstad, ^{a,§} Eric Monflier ^b ^a ICCOM CNR - Via Madonna del Piano, 10 - 50019 Sesto Fiorentino (FI) Italy; ^b Université d'Artois, UCCS-UMR 8181, Lens Cedex, France; Organometallic chemistry with water soluble phosphines: the instructive case of PTA
10:00-10:30 S ₇ -OP2	B. A. Arndtsen Department of Chemistry, McGill University, 801 Sherbrooke St. W., Montreal, QC Canada Transition Metal Catalyzed Multicomponent Reactions in Organic and Polymer Synthesis
10:30-11:00 S ₇ -OP3	Johan Van der Eycken* , Timothy Noël, Katrien Bert, Koen Vandyck Laboratory for Organic and Bioorganic Synthesis, Department of Organic Chemistry Ghent University, Krijgslaan 281 (S.4), B-9000 Ghent, Belgium Johan.VanderEycken@UGent.be A Modular Approach To Chiral Imidates: A New Class Of Nitrogen-Based Chiral Ligands
11:00-11:30	COFFEE BREAK
11:30-12:00 S ₇ -OP4	Saim Özkar Department of Chemistry, Middle East Technical University, 06800 Ankara, Turkey Transition metal nanoparticles in catalysis
12:00-12:30 S ₇ -OP5	N. Jayaraman Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India Multivalent vs Monovalent Organometallic Catalysts. Studies of the Effects of Clustering of Organometallic Moieties onto Dendrimer Frame-Works
12:30-13:00 S ₇ -OP6	Gerson Martin , Päivi Mäki-Arvela, Dmitry Yu. Murzin and Tapio Salmi* Åbo Akademi, Process Chemistry Centre, 20500 Turku/Åbo, Finland, Kinetics and catalyst deactivation in the enantioselective hydrogenation of ethyl benzoylformate over Pt/Al₂O₃
13:00-14:00	ROOM 1. PLENARY LECTURE, PL 7
	Convener D Kessissoglou
PL7	C.G. Kalodimos^a ^a <i>Department of Chemistry & Chemical Biology, Rutgers University, 599 Taylor Rd, Piscataway, NJ 07869, USA</i> Structural and Dynamic Basis for the Assembly of Large Protein Machineries by NMR
	FREE AFTERNOON

21/4/2012 SIXTH DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL 8
	Convener V. Brabec
PL8	<u>Jim A. Thomas</u> ^a Department of Chemistry, University of Sheffield, Brook Hill, Sheffield, UK Multifunctional in cellulose probes
9:00-10:00	ROOM 1. PLENARY LECTURE, PL 9
	Convener W. Nakanishi
PL9	<u>Bernd M. Rode</u> , Thomas Jakschitz Theoretical Chemistry Division, Institute for General, Inorganic and Theoretical Chemistry, University of Innsbruck, Austria Chemical Evolution of Peptides and Proteins and the Origin of Life
	Session: Organometallic Chemistry and Catalysis S7 Room 4
	Chair: Maurizio Peruzzini, N. Jayaraman
10:30-11:00 S ₇ -OP7	<u>A. Poater</u> ^{a,b} and L. Cavallo ^b ^a Catalan Institute for Water Research (ICRA), H2O Building, Scientific and Technological Park of the University of Girona, Emili Grahit 101, E-17003 Girona, Spain; apoater@icra.cat ^b Dipartimento di Chimica e Biologia, Università di Salerno, Via ponte don Melillo, I-84084 Fisciano (SA), Italy The role of alcohols in olefin metathesis
11:00-11:30	COFEE BREAK
11:30-12:00 S ₇ -OP8	<u>S.Gokcen</u> , M.Isleyen, G.S. Pozan Soylu Chemical Engineering, Engineering Department, Istanbul University, Avcilar, 34320, Istanbul, Turkey Influence of transmission elements on the photocatalytic degradation of phenol
12:00-12:30 S ₇ -OP9	Gloria Mazzone, Nino Russo, <u>Emilia Sicilia</u> Dipartimento di Chimica, Università della Calabria, Ponte P. Bucci, 87036 Arcavacata di Rende (CS), Italy Homogeneous Hydrocarbon C–H Bond Activation With Pt(II) Complexes
12:30-13:00 S ₇ -OP10	<u>Adnan S. Abu-Surrah</u> Hashemite University, Department of Chemistry, P.O. Box 150459, Zarqa- 13115, Jordan, Coupling of carbon dioxide and epoxide via chromium (III), iron(III), cobalt(III), and iron(II) /Lewis base catalysts
13:00-14:00	LUNCH
14:30-16:00	POSTER SESSION

POSTER SESSION
ORGANOMETALLIC CHEMISTRY AND CATALYSIS S7

S₇-PP1	<p>General Acid and Base Catalysis of Cyclisation of 1,5-Dianilino-2,4-diphenylpent-1,4-dien-3-one.</p> <p><u>TAHER S. KASSEM</u></p> <p>Chemistry Department, Faculty of Science Alexandria University, Ibrahimia P.O. 426, Alexandria 21321, Egypt</p>
S₇-PP2	<p>Probing the electronic structure, chemical bonding and excitation spectra of [CuE]^{+0/-} (E = C, Si, Ge) diatomics and their trimeric [Cu₃E₃]^{+0/-} species employing DFT and ab initio methods</p> <p>A.C. Tsipis^a and <u>D. N. Gkarpounis^a</u></p> <p>^a Chemistry Department, University of Ioannina, Panepistimiou Str. - Dourouti, Ioannina</p>
S₇-PP3	<p>Organometallic Additives for Diesel Fuels Supporting DPF Regeneration</p> <p><u>G. Żak¹</u>, <u>M. Wojtasik¹</u>, <u>Z. Stępień²</u>, <u>L. Ziemiański¹</u></p> <p>¹ Department of Additives and New Chemical Technologies, Oil and Gas Institute, Lubicz 25A, 31-503 Kraków, Poland</p> <p>² Department for Performance Testing, Oil and Gas Institute, Lubicz 25A, 31-503 Kraków, Poland</p>
S₇-PP4	<p>Probing the bonding mode preference of acetylene and ethylene to neutral and cationic heterometallic coinage metal diatomics using electronic structure computational methods</p> <p><u>A.V. Stalikas^a</u> and A.C. Tsipis^a</p> <p>^a Chemistry Department, University of Ioannina, Panepistimiou Str. - Dourouti, Ioannina</p>

CLINICAL BIOCHEMISTRY AND MOLECULAR DIAGNOSTICS

S8

ROOM 5, APRIL 17, 2012

PROGRAM OF LECTURES

17/4/2012, SECOND DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL2
	Convener T. Albanis
PL2	Ada Yonath (Nobel Laureate) <i>Department of Structural Biology, Weizmann Institute, Rehovot 76100, Israel</i> From basic science to improved antibiotics
	Session: Clinical Biochemistry and Molecular Diagnostics, S8, Room 5
	Chair: M. Aviram, D. Kiortsis
9:00-9:05	Convener Alexandros D. Tselepis
9:05-9:30 S ₈ -OP1	E. Mikros , ^a S. Kostidis, ^a S. Engelsen, ^b H. Schaefer ^c ^a Department of Pharmacy, National and Kapodistrian University of Athens, Panepistimiopolis Zografou, Athens, Greece ^b Department of Dairy and Food Sciences, Center for Advanced Food Studies, The Royal Veterinary and Agricultural University, Rolighedsvej 30, Frederiksberg C 1958, Denmark ^c Bruker Analytische Messtechnik GmbH, D76287-Reihnstetten, Silberstreifen, Germany NMR-based metabonomics applications
9:30-9:55 S ₈ -OP2	V.T. Ivanov and V.M.Govorun Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry Russian Academy of Sciences, Moscow Peptidomic approach to medical diagnostics
9:55-10:20 S ₈ -OP3	G. Frühbeck Department of Endocrinology & Nutrition, Clínica Universidad de Navarra, University of Navarra, CIBERObn, Instituto de Salud Carlos III, Pamplona, Spain Molecular diagnostics in obesity
10:20-10:45 S ₈ -OP4	Michael Aviram , Lipid Research Laboratory, Technion Faculty of Medicine and Rambam Medical Center, Haifa, Israel HDL-associated Paraoxonase1 (PON1) inhibits oxidative stress and attenuate atherosclerosis development
10:45-11:05 S ₈ -OP5	Alexandros D Tselepis , Laboratory of Biochemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece. Lipoprotein-Associated Phospholipase A2. A surrogate marker of cardiovascular risk and a potential therapeutic target
11:05-11:35	COFFEE BREAK
	Round Table
	Chair: E. Briasoulis (Ioannina, Greece)
11:35-12:05 S ₈₋₁ -OP1	Evangelos Briasoulis Department of Hematology and Cancer Biobank Center of the University of Ioannina Spotting molecular biomarkers on the long foggy road towards personalized cancer therapy
12:05-12:30 S ₈₋₁ -OP2	Samuel Murray , Lead Oncology Biomarkers and R&D, GeneKor SA, Athens, Greece Molecular Cancer Biomarkers: The need and the science, the facts and the promise Integration of genetic biomarkers into daily clinical practices of solid cancer therapy.
12:30-12:50 S ₈₋₁ -OP3	Eleftheria Hatzimichael , Department of Hematology and Cancer Biobank Center of the University of Ioannina & Computational Medicine Center, Thomas Jefferson University Genetic and epigenetic biomarkers as guiding tools in clinical management of blood cancers
13:00-14:30	LUNCH
14:30-16:00	POSTER SESSION

POSTER SESSION

CLINICAL BIOCHEMISTRY AND MOLECULAR DIAGNOSTICS S8

S ₈ -PP1	<p>Non-Injurious mechanical stretch induces phosphatidylcholine biosynthesis in alveolar type II cells Despoina Pantazi^a, George Nakos^b, <u>Marilena E. Lekka</u>^{a, *} ^aLaboratory of Biochemistry-Chemistry Department-School of Science, ^bIntensive Care Medicine-School of Medicine, University of Ioannina, Greece,</p>
S ₈ -PP2	<p><i>Tetrahymena pyriformis</i>: A toxicological control model on the effect of propanil and diazinon E. Gkatzou^a, M. Karagiannopoulos^a, <u>M.E.Lekka</u>^a ^aChemistry Department, School of Sciences, University of Ioannina, 451 10 Ioannina, Greece</p>
S ₈ -PP3	<p>Secretory Pathway Of Spla₂-Iia From Pneumonocytes Type Ii After Stimulation With Lps M. Karagiannopoulos^a, D. Basagiannis^b, S. Christoforidis^b, G. Nakos^c, <u>M. E. Lekka</u>^a ^a Department of Chemistry, University of Ioannina, 451 10, Ioannina, Greece ^b Biomedical Research Institute, Foundation for Research and Technology, 451 10, Ioannina, Greece ^c Medical School - Intensive Care Unit, University of Ioannina, 451 10, Ioannina, Greece</p>
S ₈ -PP4	<p>Fluorimetric assay for the determination of Phospholipase A₂ (PLA₂) activity using immobilized substrates A. Karkabounas^a, G. Nakos^b, <u>M.E. Lekka</u>^a ^a Chemistry Department, University of Ioannina, 451 10, Ioannina, Greece ^b Medical School-Intensive Care Unit, University of Ioannina, 451 10, Ioannina, Greece</p>
S ₈ -PP5	<p>Lateral flow devices exploiting quantum dots as reporters that enable confirmation of target DNA sequence <u>E.A.Sapountzi</u>^a, T.K. Christopoulos^b, D.P. Kalogianni^c, P.C. Ioannou^d and S.S. Tragoulias^e ^a Department of Chemistry, University of Patras, GR-26500 Patras, Greece ^b Department of Chemistry, University of Patras, GR-26500 Patras, Greece ^c Department of Chemistry, University of Patras, GR-26500 Patras, Greece ^d Department of Chemistry, University of Athens, GR-15771 Athens, Greece ^e Department of Chemistry, University of Patras, GR-26500 Patras, Greece</p>
S ₈ -PP6	<p>Preparation of Monolithic Liquid Chromatography Columns For Glycoprotein Separation <u>C. Armutcu</u>^a, N. Bereli^a, E. Bayram^a, L. Uzun^a, R. Say^b, A. Denizli^a ^aDepartment of Chemistry, Biochemistry Division, Hacettepe University, Ankara, Turkey ^bDepartment of Chemistry, Biochemistry Division, Anadolu University, Eskişehir, Turkey</p>
S ₈ -PP7	<p>Oxidative Stress Markers In Open And Laparoscopic Procedure For The Treatment Of Colorectal Cancer. <u>Pappas-Gogos G</u>¹, Tellis C², Tsimogiannis K¹, Tselepis A², Tsimoyiannis E¹, Chrysos E³. Department of Surgery, «G.Hatzikosta»General Hospital Ioannina, Greece¹ Laboratory of Biochemistry, Department of Chemistry, University of Ioannina, Greece². Department of Surgery, Herakleion University Hospital, University of Crete, Greece³.</p>
S ₈ -PP8	<p>Composite Cryogels Having Functional Hydrophobic Groups Preparation, Characterization and Use in DNA Adsorption <u>M.E. Çorman</u>^a, N. Bereli^a, S. Özkara^b, L. Uzun^a, A. Denizli^a ^aDepartment of Chemistry, Biochemistry Division, Hacettepe University, Ankara, Turkey ^bDepartment of Chemistry, Biochemistry Division, Anadolu University, Eskişehir, Turkey</p>
S ₈ -PP9	<p>Lipoprotein-associated phospholipase A₂ (Lp-PLA₂) bound on high density lipoproteins is inversely associated with risk of cardiac death in stable coronary artery disease patients CC Tellis^a, LS Rallidis^b, I Lekakis^b, I Rizos^b, C Varounis^b, A Charalampopoulos^c, M Zolindaki^d, N Dages^b, M Anastasiou-Nana^b, AD. Tselepis^a ^aLaboratory of Biochemistry, Department of Chemistry, University of Ioannina,</p>

	<i>Ioannina, ^bSecond Department of Cardiology, University General Hospital, "Attikon", Athens, ^cDepartment of Cardiology, General Hospital of Nikea, Piraeus, ^dLaboratory of Biochemistry, General Hospital of Nikea, Piraeus, Greece</i>
S₈-PP10	<p>Does paraoxonase-1 influence the platelet response to clopidogrel in patients with acute coronary syndrome? A recent debate</p> <p><u>ME Tsoumani</u>[*], KI. Kalantzi[†], AA. Dimitriou[*], CC. Tellis[*], IA. Goudevenos[†] AD. Tselepis[*]</p> <p>[*]Laboratory of Biochemistry, Department of Chemistry and [†]Department of Cardiology, University of Ioannina, 45110 Ioannina, Greece</p>
S₈-PP11	<p>Membrane expression of Toll-like receptors (TLR) and intracellular cytokine synthesis in patients with chronic kidney disease and diabetic nephropathy</p> <p><u>Xanthi Zikou</u>¹, Kleopatra Rousouli², Constantinos Tellis², Kostas Siamopoulos¹, Alexandros Tselepis²</p> <p>¹Department of Nephrology, University Hospital of Ioannina and ²Laboratory of Biochemistry, Department of Chemistry, University of Ioannina, Greece</p>
S₈-PP12	<p>Attrition rates in Oncology: The necessity to quest for novel drug targets & biomarkers</p> <p><u>Andreas G. Tzakos</u></p> <p><i>Department of Chemistry, University of Ioannina, 45110, Ioannina, Greece,</i></p>

COORDINATION CHEMISTRY AND INORGANIC POLYMERS

S9

ROOMS 1, 3, 6, APRIL 17, 20, 21, 2012

PROGRAM OF LECTURES

17/4/2012, SECOND DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL2
	Convener T. Albanis
PL2	Ada Yonath (Nobel Laureate) <i>Department of Structural Biology, Weizmann Institute, Rehovot 76100, Israel</i> From basic science to improved antibiotics
	Session: Coordination Chemistry and Inorganic Polymers S9, Room 6
	Chair: P. Perlepes – H Oshio
9:00-9:30 S ₉ -OP1	Jie-Peng Zhang , Xiao-Ming Chen School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, P. R. China Geometry Analysis and Systematic Synthesis of Highly Porous Isorecticular Frameworks with the Uninodal 9-connected ncb Topology
9:30-10:00 S ₉ -OP2	Christina D. Polyzou, ^a Harikleia Sartzi, ^a Konstantis F. Konidaris, ^b Alexandros Kitos, ^a Spyros P. Perlepes^a ^a Department of Chemistry, University of Patras, GR-26504 Patras, Greece ^b Institute of Nanotechnology, Karlsruhe Institute of Technology, 76344 Eggenstein – Leopoldshafen, Germany Metal – Ion Assisted Transformations of 2-Pyridyl Ketones and 2-Pyridyl Oximes
10:00-10:25 S ₉ -OP3	Khalil J. Asali^a , Mohammad El-Kateeba and Shefa'a Al-Omaria ^a Department of Applied Chemical Sciences, Jordan University of Science and Technology, Box 3030, Irbid 22110, Jordan Kinetic and Mechanism of Ligand-Substitution Reactions in Chromium and Molybdenum Hexacarbonyls with Cyanide Anion
10:25-10:55 S ₉ -OP4	Anastasios J. Tasiopoulos^a , Eleni E. Moushi, ^a Maria Charalambous, ^a Constantina Papatriantafyllopoulou, ^{a,b} Christos Lampropoulos, ^b Theocharis C. Stamataios, ^b Vassilios Nastopoulos, ^c Wolfgang Wernsdorfer ^d and George Christou ^b ^a Department of Chemistry, University of Cyprus, 1678 Nicosia, Cyprus ^b Department of Chemistry, University of Florida, Gainesville, Florida 32611-7200, USA ^c Institut Néel, CNRS, BP-166, Grenoble Cedex 9, France ^d Department of Chemistry, University of Patras, 26500 Patras, Greece High Nuclearity, High Spin Clusters and Single Molecule Magnets from the Use of 1,3-Propanediol in Mn Chemistry
10:55-11:25	COFFEE BREAK
11:25-11:50 S ₉ -OP5	A.I. Philippopoulos^a , P. Falaras, ^b ^a <i>University of Athens, Faculty of Chemistry, Laboratory of Inorganic Chemistry, Panepistimiopolis Zografou 15771, Greece. Email: atphilip@chem.uoa.gr</i> ^b <i>NCSR Demokritos, Institute of Physical Chemistry, Aghia Paraskevi Attikis, 15310 Greece</i> Development of ruthenium sensitizers for Dye Sensitized Solar Cells
11:50-12:15 S ₉ -OP6	S. I. Mostafa^a , I. S. Butler, ^b F. M. Ibrahim, ^c Y. M. El-Hawary ^c ^a <i>Department of Chemistry, Faculty of Science, Mansoura University, Mansoura 35516, Egypt (sihmostafa@yahoo.com)</i> ^b <i>Department of Chemistry, McGill University, Montreal QC, Canada H3A 2K6</i> ^c <i>Department of Oral Biology, Faculty of Dentistry, Mansoura University, Mansoura, Egypt</i> New Chitosan Silver(I) Complexes as Bone repair Stimulators
12:15-12:40 S ₉ -OP7	M. Ghazzali^a ^a <i>Department of Chemistry, College of Science, King Saud University, P.O. Box 2455, Riyadh 11451, Saudi Arabia.</i> Supramolecular synthons and self-assembly of discrete molecules and coordination polymers
13:10-14:30	LUNCH
14:30-16:00	POSTER SESSION

16:00-17:00	ROOM 1. PLENARY LECTURE, PL3
	Convener T. Mavromoustakos
PL3	Ivano Bertini, CERM, <i>University of Florence, Florence,</i> Protein-protein interactions in life processes
	Session: Coordination Chemistry and Inorganic Polymers S9, Room 6
	Chair: Kimihisa Yamamoto - Anastasios J. Tasiopoulos
17:00-17:25 S ₉ -OP8	A.D. Katsenis, ^a A. Fideli, ^a V.G. Kessler, ^b E.K. Brechin, ^c G.S. Papaefstathiou^a ^a <i>Laboratory of Inorganic Chemistry, Department of Chemistry, National and Kapodistrian University of Athens, Panepistimiopolis, Zografou, Greece (gspapaef@chem.uoa.gr)</i> ^b <i>Department of Chemistry, Swedish University of Agricultural Sciences, Box 7015, 750 07 Uppsala, Sweden</i> ^c <i>EaStCHEM School of Chemistry, The University of Edinburgh, West Mains Road, Edinburgh, EH9 3JJ, UK</i> Assembling Polynuclear Metal Complexes into Supramolecular Architectures
17:25-17:45 S ₉ -OP9	Qin-Yuan Yang, Tao Yang, Lei Li, Cheng-Yong Su <i>School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, China.</i> Coordination Assembly of Supramolecular Materials: Long Range Ordered MOFs and Disordered MOGs
17:45-18:15	COFFEE BREAK
18:15-18:35 S ₉ -OP10	Bashir El-Gnidi[*] , and R. D. Gillard. Department of Chemistry, Misurata University, Misurata, Libya P. O. Box : 939 Synthesis and characterization of new palladium(II) complexes containing 4,5-dimethyl-2,2'-bipyridine : Xray Crystal Structure of bis(4-methyl pyrdine)-4,5-di methyl-2,2'-bipyridine palladium (II) Perchlorate
18:35-18:55 S ₉ -OP11	M. Bernollin,^a A. Fateeva, ^a L. Dubois, ^a P. Maldivi ^a ^a <i>Laboratoire de Chimie Inorganique et Biologique (UMR E-3 CEA-UJF), INAC, CEA-Grenoble, 17 rue des Martyrs 38054 Grenoble cedex 9, France</i> Bridled chiroporphyrins for molecular electronic: synthesis and characterisation

20/4/2012 FIFTH DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 6
	Convener Z. Guo
PL4	P.J. Sadler <i>Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK</i> Organometallic and Photoactivatable Precious Metal Anticancer Complexes
	Mini Symposium: Coordination Programming, S9 Room 3
	Convener: Hiroki Oshio
9:30-10:00 S ₉₋₁ -OP1	Hiroki Oshio <i>Graduate School of Pure and Applied Sciences, Department of Chemistry, University of Tsukuba Tennodai 1-1-1, Tsukuba 305-8571, Japan</i> Multi-bistable Metal Complexes
10:00-10:20 S ₉₋₁ -OP2	Ken Sakai^{a, b} ^a <i>Department of Chemistry, Faculty of Science, Kyushu University, Hakozaki6-10-1, Higashi-ku, Fukuoka 812-8581, Japan</i> ^b <i>International Institute for Carbon-Neutral Energy Research (WPI-I²CNER), Kyushu University, Motoooka 744, Nishi-ku, Fukuoka 819-0395, Japan</i> Molecular Catalysis for Solar Light-induced Water Splitting Reactions towards Development of Artificial Photosynthesis
10:20-10:40 S ₉₋₁ -OP3	HO-CHOL Chang^a ^a <i>Department of Chemistry, Graduate School of Science, Hokkaido University, Kita 10 Nishi 8, Kitaku, Sapporo, Hokkaido, JAPAN</i> Molecular and Macroscopic Transformation Triggered by Electron Transfer
10:40-11:00 S ₉₋₁ -OP4	Kimihisa Yamamoto <i>Chemical Resources Laboratory, Tokyo Institute of Technology, Yokohama 226-8503, Japan</i> Phenylazomethine Dendrimers as a Molecular Reactor
11:00-11:30	COFEE BREAK
11:30-11:55 S ₉₋₁ -OP5	Myunghyun Paik Suh <i>Department of Chemistry, Seoul National University, Seoul 151-747, Republic of Korea</i> Hydrogen Storage and Carbon Dioxide Capture in Porous Metal-Organic Frameworks and Coordination Polymers
11:55-12:15 S ₉₋₁ -OP6	Masaaki Ohba,^a Ko Yoneda,^b Ryo Ohtani,^c José A. Real^d and Susumu Kitagawa,^e ^a <i>Department of Chemistry, Faculty of Science, Kyushu University, 6-10-1 Hakozaki, Fukuoka, Japan</i> ^b <i>Department of Chemistry and Applied Chemistry, Faculty of Science and Engineering, Saga University, Saga, Japan</i> ^c <i>Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University, Kyoto, Japan</i> ^d <i>Instituto de Ciencia Molecular, Departamento de Química, Inorgánica, Universidad de Valencia, Valencia, Spain</i> ^e <i>Institute for Integrated Cell-Material Sciences (iCeMS), Kyoto University, Kyoto, Japan</i> Functionally-programmed Magnetic Porous Coordination Polymers
12:15-12:35 S ₉₋₁ -OP7	Hiroshi Nishihara, Hiroaki Maeda, Junya Sendo, Shunsuke Katagiki, Ryota Sakamoto, Yoshinori Yamanoi <i>Department of Chemistry, School of Science, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan</i> Coordination Programming of Electro- and Photo-functional Molecular Wires and Networks
12:35-13:00 S ₉₋₁ -OP8	Lee Cronin <i>School of Chemistry, University of Glasgow, Glasgow, G12 8QQ, UK</i> Programming Electron Transfer Reactions in Metal Oxide Cages

13:00-14:00	ROOM 1. PLENARY LECTURE, PL 7
	<u>Convener D Kessisoglou</u>
PL7	<u>C.G. Kalodimos</u> a Department of Chemistry & Chemical Biology, Rutgers University, 599 Taylor Rd, Piscataway, NJ 07869, USA Structural and Dynamic Basis for the Assembly of Large Protein Machineries by NMR
	FREE AFTERNOON

21/4/2012 SIXTH DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL 8
	Convener V. Brabec
PL8	Jim A. Thomas ^a Department of Chemistry, University of Sheffield, Brook Hill, Sheffield, UK Multifunctional in cellulose probes
9:00-10:00	ROOM 1. PLENARY LECTURE, PL 9
	Convener W. Nakanishi
PL9	Bernd M. Rode , Thomas Jakschitz Theoretical Chemistry Division, Institute for General, Inorganic and Theoretical Chemistry, University of Innsbruck, Austria Chemical Evolution of Peptides and Proteins and the Origin of Life
	Mini Symposium: Coordination Programming S9 Room 1
10:00-10:20 S ₉₋₁ -OP9	K. Tanaka , ^{a,b} Y. Yamada, ^{a,c} M. Okamoto, ^d K. Furukawa, ^e T. Kato ^d ^a Department of Chemistry, Graduate School of Science, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8602, Japan ^b CREST, Japan Science and Technology Agent, Honcho 4-1-8, Kawaguchi-shi, Saitama 332-0012, Japan ^c Research Center for Molecular Science, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8602, Japan ^d Department of Interdisciplinary Environment, Graduate School of Human and Environmental Studies, Kyoto University, Yoshidanihonmatsu-cho, Sakyo-ku, Kyoto 606-8501, Japan ^e Institute for Molecular Science, Myodaiji, Okazaki 444-8585, Japan Switchable Intermolecular Communication in Four-fold Rotaxane
10:20-10:40 S ₉₋₁ -OP10	Masaaki Abe Department of Applied Chemistry, Graduate School of Engineering, Kyushu University 744, Moto-oka, Nishi-ku, Fukuoka 819-0395, Japan Redox-active Ring-shaped Clusters: Structures and Electronic/electrostatic Communications
10:40-11:00 S ₉₋₁ -OP11	Masayuki Takeuchi Organic Materials Group, Polymer Materials Unit, National Institute for Materials Science, Tsukuba 305-0047, Japan Supramolecular Approach toward the Alignment of Conjugated Molecules and Polymers
11:00-11:30	COFFEE BREAK
11:30-11:50 S ₉₋₁ -OP12	Xiao-Ming Chen and Jie-Peng Zhang MOE Key Laboratory of Bioinorganic and Synthetic Chemistry, State Key Laboratory of Optoelectronic Materials and Technologies, School of Chemistry & Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, China. Flexible Metal-Azolate Frameworks (MAFs)
11:50-12:10 S ₉₋₁ -OP13	Masahiro Yamashita Department of Chemistry, Graduate School of Science, Tohoku University, Sendai, Japan Quantum Molecular Spintronics Based On Single-molecule Magnets
12:10-12:30 S ₉₋₁ -OP14	Teruyuki Komatsu ^a ^a Department of Applied Chemistry, Faculty of Science and Engineering, Chuo University, 1-13-27 Kasuga, Bunkyo-ku Tokyo 112-8551, Japan Artificial Hemoproteins Comprising Human Serum Albumin Complexed with Iron Protoporphyrin IX in a Tailor Made Heme Pocket
12:30-13:00 S ₉₋₁ -OP15	Hiroshi Kitagawa Division of Chemistry, Graduate School of Science, Kyoto University Kitashirakawa-Oiwakecho, Sakyo-ku, Kyoto 606-8502, Japan Solid-State Protonics in Nano-Materials
13:35-14:30	LUNCH
14:30-16:00	POSTER SESSION

	Convener: S. Perlepes
PL5	G. Christou,^a Tu N. Nguyen, ^a Khalil A. Abboud, ^a and Wolfgang Wernsdorfer ^b ^a <i>Department of Chemistry, University of Florida, Gainesville, Florida 32611, USA</i> ^b <i>Institut Néel-CNRS, 38042 Grenoble, Cedex 9, France</i> Supramolecular Aggregation of Manganese Clusters: Linkage of Single-Molecule Magnets into Rectangles and Other Motifs
	Mini Symposium: Coordination Programming S9 Room 6
17:00-17:20 S ₉₋₁ -OP9	K. Tanaka,^{a,b} Y. Yamada, ^{a,c} M. Okamoto, ^d K. Furukawa, ^e T. Kato ^d ^a <i>Department of Chemistry, Graduate School of Science, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8602, Japan</i> ^b <i>CREST, Japan Science and Technology Agent, Honcho 4-1-8, Kawaguchi-shi, Saitama 332-0012, Japan</i> ^c <i>Research Center for Molecular Science, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8602, Japan</i> ^d <i>Department of Interdisciplinary Environment, Graduate School of Human and Environmental Studies, Kyoto University, Yoshidanihonmatsu-cho, Sakyo-ku, Kyoto 606-8501, Japan</i> ^e <i>Institute for Molecular Science, Myodaiji, Okazaki 444-8585, Japan</i> Switchable Intermolecular Communication in Four-fold Rotaxane
17:25-17:45 S ₉₋₁ -OP10	Masaaki Abe <i>Department of Applied Chemistry, Graduate School of Engineering, Kyushu University 744, Moto-oka, Nishi-ku, Fukuoka 819-0395, Japan</i> Redox-active Ring-shaped Clusters: Structures and Electronic/electrostatic Communications
17:45-18:15	COFFEE BREAK
18:15-18:35 S ₉₋₁ -OP11	Masayuki Takeuchi <i>Organic Materials Group, Polymer Materials Unit, National Institute for Materials Science, Tsukuba 305-0047, Japan</i> Supramolecular Approach toward the Alignment of Conjugated Molecules and Polymers
18:35-18:55 S ₉₋₁ -OP12	Xiao-Ming Chen and Jie-Peng Zhang <i>MOE Key Laboratory of Bioinorganic and Synthetic Chemistry, State Key Laboratory of Optoelectronic Materials and Technologies, School of Chemistry & Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, China.</i> Flexible Metal-Azolate Frameworks (MAFs)
18:55-19:15 S ₉₋₁ -OP13	Masahiro Yamashita <i>Department of Chemistry, Graduate School of Science, Tohoku University, Sendai, Japan</i> Quantum Molecular Spintronics Based On Singlemolecule Magnets
19:15-18:35 S ₉₋₁ -OP14	Teruyuki Komatsu^a ^a <i>Department of Applied Chemistry, Faculty of Science and Engineering, Chuo University, 1-13-27 Kasuga, Bunkyo-ku Tokyo 112-8551, Japan</i> Artificial Hemoproteins Comprising Human Serum Albumin Complexed with Iron Protoporphyrin IX in a Tailor Made Heme Pocket

POSTER SESSION

COORDINATION CHEMISTRY AND INORGANIC POLYMERS S9

S₉-PP1	Characterization of BN and Terminated BN Nanoribbons via Detailed Geometrical Analysis Houn-Wei Wang ^a , Wen-Hao Chen ^a , Hsien-Chang Kao ^b , <u>Bo-Cheng Wang</u> ^b , Michitoshi Hayashi ^a . ^a Center for Condensed Matter Sciences, National Taiwan University, Taipei 106, Taiwan ^b Department of Chemistry, Tamkang University, Tamsui 251, Taiwan
S₉-PP2	Metal ion modulation of polycatenation frameworks Xiao-Ning Cheng, Xiao-Ming Chen Instrumental Analysis and Research Center; School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, P. R. China.
S₉-PP3	A radical pathway to Molybdenum and Tungsten dithiolene complexes <u>Ai Ling Tan</u> , ^a E. S. Davies, ^b A. J. Blake, ^b C. Wilson ^b and C. D. Garner ^{*b} ^a Chemistry, Faculty of Science, Universiti Brunei Darussalam, Jln Tungku Link, Gadong, BE1410, Brunei Darussalam, ^b School of Chemistry, University of Nottingham, University Park, Nottingham, NG7 2RD
S₉-PP4	Synthesis and Characterization of a Novel Phthalocyanine Conjugated with Four Salicyldeneimino Complexes G.K. Karaoglan, ^a <u>G. Gümrükçü</u> , ^a A. Erdogmus, ^a A. Gül ^b , U. Avcıata ^a ^a Department of Chemistry, Technical University of Yıldız, Davutpasa, Istanbul, 34210, Turkey ^b Department of Chemistry, Technical University of Istanbul, Maslak, Istanbul, 34469, Turkey
S₉-PP5	Synthesis, X-Ray Structure Investigation and DFT Calculations of Zn(II) β-diketo-Coumarin Complexes <u>J. Markopoulos</u> , ^a V. Stefanou, ^{a,b} D. Matiadis, ^b M. Fousseki, ^b F. Kokalari, ^d O.Markopoulou, ^b V. Mc Kee, ^c G. Melagraki, ^b A. Afantitis, ^b ^a National and Kapodistrian University of Athens, Chemistry Department, Zografou Campus, Athens, 15771 ^b National Technical University of Athens, School of Chemical Engineering, Zografou Campus, Athens, 15773 ^c University of Loughborough, Chemistry Department, Leicestershire, LE113TU, U.K. ^d Department of Chemistry, Natural Sciences of Faculty, Tirana University, Albania
S₉-PP6	Synthesis and Characterization of Mo(II) Complexes having Short Metal-Metal Distances <u>O.E. El-Kadri</u> , ^a C.H. Winter, ^b M. J. Heeg, ^b A.R. Sadique ^b ^a Department of Biology, Chemistry, and Environmental Sciences, American University of Sharjah, P.O Box 26666, Sharjah, UAE ^b Department of Chemistry, Wayne State University, 5101 Cass Avenue, Detroit, Michigan, 48202 USA
S₉-PP7	Synthesis and Crystal Structure of [1,3-Bis-(1H-benzimidazol-2-yl)-2-oxapropane] Zinc(II)dibromide <u>Aydin TAVMAN</u> , Adem ÇINARLI Istanbul University, Faculty of Engineering, Chemistry Department, Avcılar, 34320, Istanbul, Turkey.
S₉-PP8	Coordination site-Dependent Cation Binding and Multi-responsible Redox Properties of Janus-Head Metalloligand, [Mo^V(1,2-mercaptophenolato)₃]⁻ Masanori Wakizaka, Takeshi Matsumoto, Hirokazu Yano, Atsushi Kobayashi, Ho-Chol Chang, and Masako Kato Division of Chemistry, Faculty of Science, Hokkaido University, North-10, West-8, Kita-ku, Sapporo 060-0810, Japan
S₉-PP9	Syntheses, crystal structure, and magnetic properties of a self-assembling dicopper(II) helicate with novel bipyridine ligand Wen-Jwu Wang, Yi-Chun Wang and Hsien-Chang Kao Department of Chemistry, Tamkang University, Tamsui, Taipei 25137, Taiwan
S₉-PP10	Hydrogen Storage in a Porous Metal-Organic Framework Embedding Magnesium Nanoparticles <u>Dae-Woon Lim</u> , and Myunghyun Paik Suh* Department of Chemistry, Seoul National University, Seoul 151-747, Republic of Korea
S₉-PP11	Synthesis and Characterization of Osmium(III) complexes with Substituted nitrones <u>Khalaf I. Khallow</u> , Eman M.H. Al-Bayate Department of Chemistry, College of Education, University of Mosul, Iraq.

ANALYTICAL AND SOLUTION CHEMISTRY

S10

ROOM 6, APRIL 20, 21, 2012

PROGRAM OF LECTURES

20/4/2012 FIFTH DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 6
	Convener Z. Guo
PL6	P.J. Sadler <i>Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK</i> Organometallic and Photoactivatable Precious Metal Anticancer Complexes
	Session: Analytical and Solution Chemistry, S10, Room 6
	Mini Symposium: Liquids and solutions in confinement and interface.
	Convener T. Yamaguchi ,
9:30-10:00 S ₁₀₋₁ -OP1	T. Yamaguchi , ^{a,*} M. Aso, ^a H. Sugino, ^a K. Ito, ^a K. Yoshida, ^a T. Yamada, ^b O. Yamamuro ^c ^a <i>Department of Chemistry, Fukuoka University, Fukuoka 814-0180, Japan</i> (yamaguch@fukuoka-u.ac.jp) ^b <i>Comprehensive Research Organization for Science and Technology, Tokai, Naka-gun, Ibaraki 319-1106, Japan</i> ^c <i>Institute for Solid State Physics, The University of Tokyo, Kashiwanoha, Kashiwa, Chiba 277-0882, Japan</i> Thermal behaviour, Structure and Dynamics of Low Temperature Water Confined in Periodic Mesoporous Organosilica
10:00-10:25 S ₁₀₋₁ -OP2	M. Osawa , M. Tushima, and T. Uchida Catalysis Research Center, Hokkaido University, Sapporo, Japan Water at Electrified Metal-Water interfaces Probed by Surface-Enhanced Infrared Absorption Spectroscopy (SEIRAS)
10:25-10:50 S ₁₀₋₁ -OP3	B. Siboulet ^(a) , J.F. Dufrêche ^(a) , B. Rotenberg ^(b) , A. Botan ^(c) , V. Marry ^(b) , B. Coasne ^(d) and P. Turq ^(a,b) ^a <i>ICSM/LMCT Marcoule 30207 Bagnols sur Cèze</i> ^b <i>PECSA, UPMC UMR 7195, 4 Place Jussieu F 75005 Paris, CC51</i> ^c <i>IFP Energies Nouvelles, 1 & 4 Rue du Bois Préau, F 92852 Rueil Malmaison</i> ^d <i>Institut Charles Gerhardt Montpellier, ENSCM, Université Montpellier 2 and CNRS (UMR 5253), 8 rue Ecole Normale, F-34296 Montpellier, France.</i> Multiscale hydrodynamics and electrokinetics in clay and silica nanopores
10:50-11:20	COFFEE BREAK
11:20-11:45 S ₁₀₋₁ -OP4	F. Hirata <i>Institute for Molecular Science, Nishigonaka 38, Okazaki Japan</i> Theory of Molecular Recognition and Its Application to Pharmaceutical Design
11:45-12:10 S ₁₀₋₁ -OP5	R. Mancinelli Dipartimento di Fisica "E. Amaldi", Università degli Studi Roma Tre, Via della Vasca Navale 84, Roma, Italy Confined states of water: why are they really relevant?
12:10-12:35 S ₁₀₋₁ -OP6	K. Yoshida , ^a A. Soda, ^a T. Yamaguchi, ^a S. Kittaka, ^b M.-C. Bellissent-Funel, ^c P. Fouquet, ^d ^a <i>Department of Chemistry, Fukuoka University, 8-19-1 Nanakuma, Jonan-ku, Fukuoka 814-080, Japan</i> (kyoshida@fukuoka-u.ac.jp) ^b <i>Department of Chemistry, Faculty of Science, Okayama University of Science, 1-1 Ridaicho, Kita-ku, Okayama 700-0005, Japan</i> ^c <i>Laboratoire Léon Brillouin (CEA-CNRS), CEA-Saclay, 91191 Gif-sur-Yvette Cedex, France</i> ^d <i>Institut Laue-Langevin, 38042 Grenoble Cedex, France</i> Structure and Dynamics of Monolayer and Capillary Condensed Water Confined in Mesoporous Silica MCM-41
12:35-13:00 S ₁₀₋₁ -OP7	Kazuma Mawatari, ^a Takehiko Kitamori , ^a ^a <i>Department of Applied Chemistry, School of Engineering, The University of Tokyo, Japan</i> Integration of Chemical Processes in Extended Nanospace and Investigation of Unique Liquid Properties

13:00-14:00	ROOM 1. PLENARY LECTURE, PL 7
	Convener D Kessisoglou
PL7	<u>C.G. Kalodimos</u>^a <i>^a Department of Chemistry & Chemical Biology, Rutgers University, 599 Taylor Rd, Piscataway, NJ 07869, USA</i> Structural and Dynamic Basis for the Assembly of Large Protein Machineries by NMR
	FREE AFTERNOON

21/4/2012 SIXTH DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL 9
	Convener V. Brabec
PL8	Jim A. Thomas ^a Department of Chemistry, University of Sheffield, Brook Hill, Sheffield, UK Multifunctional in cellulose probes
9:00-10:00	ROOM 1. PLENARY LECTURE, PL 10
	Convener W. Nakanishi
PL9	Bernd M. Rode , Thomas Jakschitz Theoretical Chemistry Division, Institute for General, Inorganic and Theoretical Chemistry, University of Innsbruck, Austria Chemical Evolution of Peptides and Proteins and the Origin of Life
	Session: Analytical and Solution Chemistry, S10, Room 6
	Chair: F.I. Halili-M.A. Demertzis
10:00-10:20 S ₁₀ -OP1	Y. Marcus Institute of Chemistry, The Hebrew University of Jerusalem, Jerusalem 91904, Israel Are Ionic Stokes Radii of Any Use?
10:20-10:45 S ₁₀ -OP2	Kim A. Burkov , Mikhail Yu. Skripkin Department of Chemistry, Saint-Petersburg State University, Universitetsky pr., 26, Saint-Petersburg, Russia Polynuclear Hydroxocomplexes in Aqueous Solutions
10:45-11:05 S ₁₀ -OP3	C. P. Kapnissi – Christodoulou , C. A. Hadjistasi, D. Tsioupi, I. J. Stavrou Department of Chemistry, University of Cyprus, P.O.Box 20537, 1678, Nicosia, Cyprus Chiral Separation of Clinically Important Compounds Using Capillary Electrophoresis – Determination of the Most Effective Chiral Selector
11:05-11:35	COFFEE BREAK
11:35-11:55 S ₁₀ -OP4	M. Becuwe, ^{a,e} P. Rouge, ^{b,e} C. Gervais, ^c D. Cailieu, ^{d,e} M. Courty, ^{a,e} A. Dassonville-Klimpt, ^{b,e} , P. Sonnet, ^{b,e} , E. Baudrin , ^{b,e} ^a UMR CNRS 7314, Laboratoire de Réactivité et Chimie des Solides, Université de Picardie Jules Verne, 33 Rue Saint Leu, 80039 Amiens, France ^b FRE CNRS 3517, Laboratoire des Glucides, UFR de Pharmacie, Université de Picardie Jules Verne, 1 Rue des Louvels, 80037 Amiens, France ^c UMR CNRS 7574, Laboratoire de Chimie de la Matière Condensée de Paris, UPMC Univ. Paris 06, Collège de France, 11 place Marcelin-Berthelot, 75231 Paris cedex 05, France ^d Plate-forme analytique, Université de Picardie Jules Verne, 80039 Amiens, France ^e FR CNRS 3085, Institut de Chimie de Picardie, Université de Picardie Jules Verne, 33 Rue Saint Leu, 80039 Amiens, France New potentiometric sensors based on iron chelators-modified inorganic matrices
11:55-12:15 S ₁₀ -OP5	I. Noviadri , ^a R. Rakhmana ^a ^a Analytical Chemistry Research Division, Faculty of Mathematics and Natural Sciences Institut Teknologi Bandung Jalan Ganesha No 10, Bandung, Indonesia Carbon Paste Electrode Modified with Poly(3-Aminophenol) for Voltammetric Determination of Paracetamol
12:15-12:35 S ₁₀ -OP6	Najla'a H. Salameh, Mona M. Shaybe and Fawwaz I. Khalili Chemistry Department, University of Jordan, Amman – Jordan 11942 Adsorption Of Uranium (VI) And Thorium (IV) By Jordanian Bentonite
12:35-12:55 S ₁₀ -OP7	A.-M. Gurban , ^a L. Rotariua, ^b C. Bala, ^{a,b} ^a Labor Q, ^b Department of Analytical Chemistry, University of Bucharest, 4–12 Regina Elisabeta Blvd., 030018 Bucharest, Romania Bioanalytical tools for sensitive detection of estrogenic compounds and tumor biomarkers

12:55-13:15 S ₁₀ -OP8	Tuba SISMANOGLU, Cenk BOZKURT Istanbul University, Engineering Faculty, Chemistry Department, AVCILAR-ISTANBUL-TURKEY Adsorption of Nicotine on the Teeht and Artifical Enamel at Different Temperature and Basic Condition
13:15-13:35 S ₁₀ -OP9	M.A. Demertzis, ^a A.I.Palios, ^a A.V.Călin, ^a C.-I.M.Vijdeluc, ^a G.A.Chrysafis ^a ^a Department of Chemistry, School of Science, The University of Ioannina, University Campus, Ioannina 45110,Greece, Spectrophotometric error due to uncertainty in reading the signal
13:35-14:30	LUNCH
14:30-16:00	POSTER SESSION

POSTER SESSION
ANALYTICAL AND SOLUTION CHEMISTRY

S₁₀-PP1	<p>Gold nanoparticle-enhanced periodate-luminol chemiluminescence. The influence of Ca²⁺ and Mg²⁺ <u>N.P. Koutsoulis</u>, D.L. Giokas, G.Z. Tsogas, A.A. Akrivi, K.M. Giannoulis, A.G. Vlessidis <i>Laboratory of Analytical Chemistry, Department of Chemistry, University of Ioannina, GR-45110, Ioannina, Greece</i></p>
S₁₀-PP2	<p>Image Analysis of Fluorescent Compounds in Quantitative Thin Layer Chromatography <u>R.D. Naşcu-Briciu</u>, L.M. Szekely, C. Sârbu <i>Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Arany Janos Str., No 11, RO-400028, Cluj-Napoca, Romania</i></p>
S₁₀-PP3	<p>Chip-CE with LIF for rapid microbial separation using basic blue dye staining <u>Nantana Nuchtavorn</u>^{a,b}, Fritz Bek^c, Mirek Macka^{b,d}, Worapot Suntornsuk^e, Leena Suntornsuk^a ^a <i>Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Mahidol University, 447 Sri-Ayudhaya Rd., Rajathevee, Bangkok 10400, Thailand</i> ^b <i>National Centre for Sensor Research, Irish Separation Science Cluster and School of Chemical Sciences, Dublin City University, Dublin 9, Ireland</i> ^c <i>Agilent Technologies, P.O. Box 1280, 76337 Waldbronn, Germany</i> ^d <i>Australian Centre for Research on Separation Science, School of Chemistry, University of Tasmania, GPO Box 252-75, Hobart, Tasmania 7001, Australia</i> ^e <i>Department of Microbiology, Faculty of Science, King Mongkut's University of Technology Thonburi, 126 Pracha-utid Road, Bangmod, Toongkru, Bangkok 10140, Thailand</i></p>
S₁₀-PP4	<p>A Modified Capillary Electrophoresis Method For the Separation of Fexofenadine and Its Impurities Using SDS Micelles as the Selective Carriers. <u>F. S. Javid</u>, A. Shafaati and A. Zarghi <i>Pharmaceutical Chemistry, School of Pharmacy, Shaheed Beheshti University of Medical Sciences, Tehran, Iran</i></p>

SUPRAMOLECULAR CHEMISTRY AND NANOMATERIALS

S11

ROOM 5, APRIL 17, 18, 20, 2012

PROGRAM OF LECTURES

17/4/2012, SECOND DAY	
16:00-17:00	ROOM 1. PLENARY LECTURE, PL3
	Convener T. Mavromoustakos
PL3	Ivano Bertini, CERM, <i>University of Florence, Florence,</i> Protein-protein interactions in life processes
	Session: Supramolecular Chemistry and Nanomaterials S11 Room 5,
	Chair: M Stelman-H Matzoumoto
17:00-17:30 S ₁₁ -OP1	Leonard F. Lindoy School of Chemistry, The University of Sydney, NSW 2006, Australia Metallo-Supramolecular Strategies for Assembling New Nanoscale Molecular Structures
17:30-18:00 S ₁₁ -OP2	Dan Meyerstein Biological Chemistry Department, Ariel University Center of Samaria, Ariel, Israel and Chemistry Department, Ben-Gurion University of the Negev, Beer-Sheva, Israel Reactions of alkyl radicals with metal and semiconductor nano-particles and powders dispersed in aqueous solutions
18:00-18:30	COFFEE BREAK
18:30-18:50 S ₁₁ -OP3	Bernagozzi I.* , Antonini C., Marengo M. Department of Industrial Engineering, Università degli Studi di Bergamo, Viale Marconi 5, 24044 Dalmine (BG), Italy. Superhydrophobic aluminum by one-step wet reaction
18:50-19:10 S ₁₁ -OP4	J. P. S. Badval <i>Department of Chemistry, Durham University, Durham DH1 3LE, England, UK</i> Functional Nanocoating

18/4/2012 THIRD DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 4
	Convener Michitaka Oktaki
PL4	Susumu Kitagawa <i>Institute for Integrated Cell-Material Sciences, Kyoto University, and Department of Synthetic Chemistry and Biological Chemistry, Kyoto University, Katsura, Nishikyo-ku, Kyoto, 615-8510, Japan Japan;</i> Evolution of Porous Coordination Polymers/Metal-Organic Frameworks
	Session: Supramolecular Chemistry and Nanomaterials S11 Room 5,
	Mini Symposium 1: Aromatic Nanomaterials S11 Room 5,
	Convener N. Kobayashi
9:30-10:00 S ₁₁₋₁ -OP1	N. Kobayashi ^a , S. Shimizu, ^a A. Miura, ^a T. Otaki, ^a S. Khene, ^b T. Nyokong, ^b ^a Department of Chemistry, Graduate School of science, Tohoku University, Sendai 980-8578, Japan ^b Department of Chemistry, Rhodes University, Grahamstown 6140, South Africa Recent Progress on the Chemistry of Chiral and/or Low-Symmetry Subphthalocyanine Analogues
10:00-10:30 S ₁₁₋₁ -OP2	Martin Stillman ^a , Lydia Kwan ^a , Kyle Jeffs ^a , Rohit Deshpande ^b , Yongming Deng ^b , Lin Jiang ^b , and Hong Wang ^b ^a Department of Chemistry, The University of Western Ontario, London, Ontario N6A 5B7, ^b Department of Chemistry and Biochemistry, Miami University, Oxford, OH 45056, USA Relating Spectral Properties of Porphyrins and Phthalocyanines to Theoretical Parameters from their Electronic Structures
10:30-11:00 S ₁₁₋₁ -OP3	Takeshi Akasaka Life Science Center of Tsukuba Advanced Research Alliance, University of Tsukuba Tsukuba, Ibaraki 305-8577, Japan. New Vistas in Chemistry of Nanocarbons: Organic Nanomaterials based on Endohedral Metallofullerenes
11:00-11:30	COFFEE BREAK
11:30-11:50 S ₁₁₋₁ -OP4	Shunichi Fukuzumi ^{a,b} ^a Department of Material and Life Science, Division of Advanced Science and Biotechnology, Graduate School of Engineering, Osaka University, ALCA, Japan Science and Technology Agency (JST), Suita, Osaka 565-0871, Japan; ^b Department of Bioinspired Science, Ewha Womans University, Seoul 120-750, Korea. Photocatalytic Hydrogen Production and CO₂ Fixation with Hydrogen
11:50-12:10 S ₁₁₋₁ -OP5	M. Ince, M. Medel, F. Setaro, M.-E. Ragoussi, O. Trukhina, A. Gouloumis, G. Bottari, C. G. Claessens, G. de la Torre, M. V. Martínez-Díaz, P. Vazquez, T. Torres Department of Organic Chemistry, Autónoma University of Madrid, IMDEA Nanociencia, and Universidad Complutense de Madrid, Spain Photoactive Phthalocyanine- and Subphthalocyanine- Containing Ensembles
12:10-12:30 S ₁₁₋₁ -OP6	Hongbin Lv, Juan-Juan Chen, Xian-Sheng Ke, Yi Yu, Boyan Yang, Jun-Long Zhang * Beijing National Laboratory for Molecular Sciences, State Key Laboratory of Rare Earth Materials Chemistry and Applications, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, P.R. China Chemistry of porpholactones and their biological applications
12:30-12:50 S ₁₁₋₁ -OP7	Raphino Zugle and Tebello Nyokong Department of Chemistry, Rhodes University, Grahamstown 6140, South Africa. Characterization of Electrospun fibers containing phthalocyanines
12:50-13:10 S ₁₁₋₁ -OP8	Mengmeng Yu, Lianghui Liu, and Xuefeng Fu * Beijing National Laboratory for Molecular Sciences, State Key Laboratory of Rare Earth Materials Chemistry and Applications, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, P.R. China Organometallic transformations in aqueous solution catalyzed by rhodium porphyrins
13:10-14:30	LUNCH
14:30-16:00	POSTER SESSION

16:00-17:00	ROOM 1. PLENARY LECTURE, PL 5
	Convener: S. Perlepes
PL5	G. Christou,^a Tu N. Nguyen,^a Khalil A. Abboud,^a and Wolfgang Wernsdorfer^b ^a Department of Chemistry, University of Florida, Gainesville, Florida 32611, USA ^b Institut Néel-CNRS, 38042 Grenoble, Cedex 9, France Supramolecular Aggregation of Manganese Clusters: Linkage of Single-Molecule Magnets into Rectangles and Other Motifs
	Mini Symposium 2: Inorganic Matereal related to Energy S11 Room 5,
	Convener Michitaka OHTAKI
17:00-17:30 S ₁₁₋₂ -OP1	<u>Michitaka OHTAKI</u> Department of Molecular and Material Sciences, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, 6-1 Kasugakouen, Kasuga, Fukuoka 816-8580, Japan Zinc Oxide as a Promising Material for Thermoelectric Power Generation Utilizing Wasted Heat Energy
17:30-17:55 S ₁₁₋₂ -OP2	<u>Masahiro YOSHIMURA</u> Promotion Center for Global Materials Research, Department of Materials Science and Engineering, National Cheng Kung University, Tainan, Taiwan Prof. Emeritus, Tokyo Institute of Technology, Japan Soft Processing of Advanced Inorganic Materials for Energy Application: Beyond the Synthesis of Nano-Materials
17:55-18:25	COFEE BREAK
17:55-18:25 S ₁₁₋₂ -OP3	<u>Hiroshige Matsumoto</u>^{a b c *}, Takaaki Sakai^a and Yuji Okuyama^a ^a INAMORI Frontier Research Center, ^b International Institute for Carbon-Neutral Energy Research, and ^c Next-Generation Fuel Cell Research Center, Kyushu University, 744, Motooka Nishi-ku 819-0395, Japan Proton-Conducting Oxide and Applications to Hydrogen Energy Devices

20/4/2012 FIFTH DAY	
8:30-9:30	ROOM 1. PLENARY LECTURE, PL 6
	Convener Z. Guo
PL6	P.J. Sadler <i>Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK</i> Organometallic and Photoactivatable Precious Metal Anticancer Complexes
	Mini Symposium 2: Inorganic Materials related to Energy S11 Room 5 (CONTINUE)
	Convener Michitaka OHTAKI
9:30-10:00 S ₁₁₋₂ -OP4	L. Malfatti,^a P. Falcaro ^b , D. Marongiu ^a , G. J. A. A. Soler-Illiac, P. Innocenzi, ^a ^a DADU, LMNT, Palazzo Pou Salit, P.zza Duomo 6, Alghero (SS), Italy, luca.malfatti@uniss.it ^b CSIRO, Materials Science & Engineering, Clayton, Australia ^b CNEA, Comision Nacional de Energia Atomica, Buenos Aires, Argentina Hierarchical porous thin films
10:00-10:30 S ₁₁₋₂ -OP5	Feng Hao, Hong Lin* , Jianbao Li <i>State Key Laboratory of New Ceramics & Fine Processing, Department of Material Science and Engineering, Tsinghua University, Beijing 100084, P.R. China</i> Nanostructured Photoanodes with Controllable Morphologies and Crystalline Facets for Highly Efficient Dye-Sensitized Solar Cells
10:30-11:00 S ₁₁₋₂ -OP6	Masahide Takahashi <i>Department of Materials Science, Osaka Prefecture University, Sakai, Osaka 599-8531, Japan</i> Stimuli-Responsive Periodic Micro Structures on Oxide-Polymer Hybrid Films
11:00-11:30	COFFEE BREAK
11:30-12:00 S ₁₁₋₂ -OP7	Naoki Toshima <i>Department of Applied Chemistry, Tokyo University of Science Yamaguchi, 1-1-1 Daigaku-dori, SanyoOnoda, Yamaguchi 756-0884, Japan</i> Metal Nanoparticles for Energy Conversion

POSTER SESSION

SUPRAMOLECULAR CHEMISTRY AND NANOMATERIALS S11

S₁₁-PP1	Double crosslinking of natural polymers bearing amine groups – original way to obtain nanocapsules for biomedical applications Gabriela Lupescu (Andrei), ^a Marcel Popa, ^a and Cătălina A. Peptu ^a <i>^a "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Natural and Synthetic Polymers 73 Prof. dr. docent Dimitrie Mangeron, 700050, Iasi, Romania</i>
S₁₁-PP2	Highly luminescent Europium (III) complexes based on Succinimide and Maleimide Corneliu S. Stan ^a , Cătălina A. Peptu ^a , Ioan Roșca ^a , Veronica Mușat ^a and Marcel Popa ^a <i>^a "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Natural and Synthetic Polymers, 73 Prof. dr. docent Dimitrie Mangeron, 700050, Iasi, Romania,</i>
S₁₁-PP3	Utilization of hydroxypropyl cellulose for green and efficient synthesis of silver nanoparticles E.S. Abdel-Halim ^{a,b} , Salem S. Al-Deyab ^a <i>^a Petrochemical Research Chair, Chemistry Department, College of Science, King Saud University, Riyadh 11451, P.O. Box 2455, Saudi Arabia ^b Textile Research Division, National Research Center, Dokki, Cairo, Egypt</i>
S₁₁-PP4	Synthesis of pH-responsive cationic polymer-coated magnetic nanocomposites for simultaneous magnetic resonance imaging and gene delivery Younhee Ahn, ^a Eunjung Kim, ^a Byunghoon Kang, ^a Jin-suck Suh, ^b Yong-Min Huh, ^{b*} and Seungjoo Haam ^{a*} <i>^a Department of Chemical and Biomolecular Engineering, Yonsei University, Seoul 120-749, South Korea. ^b Department of Radiology, College of Medicine, Yonsei University, Seoul 120-752, South Korea.</i>
S₁₁-PP5	Binding Investigations of Organic Fluorescent sensors for Carboxylate and Dicarboxylate Anions M.H. Al-Sayah*, M.K. Shehab, Q.H. Dirar <i>Department of Biology, Chemistry and Environmental Science, American University of Sharjah, PO Box 26666, Sharjah, United Arab Emirates,</i>
S₁₁-PP6	Highly Selective UV/Visible-Near Infrared and Fluorescence Sensing of Cu²⁺ Based on Thiocarbonohydrazone System in Aqueous Media Debabrata Maity and T. Govindaraju* <i>Bioorganic Chemistry Laboratory, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560064, India.</i>
S₁₁-PP7	Pillar[5]arene-based linear supramolecular polymer with quadruple hydrogen bondings Yeon Sil Park, Kyungsoo Paek <i>Department of Chemistry, Soongsil University, Seoul 156-743, Korea</i>
S₁₁-PP8	Photoluminescence of the polyurethanes, modified with rear-earth metal's complexes Eu.V. Lobko, ^a A.V. Hubina, ^a N.V. Kozak, ^a S.B. Meshkova, ^b V.V. Klepko, ^a Z.M. Topilova, ^b <i>^a Department of polymer physic, Institute of Macromolecular Chemistry of NAS of Ukraine, 48 Kharkivske chaussee, 02160, Kyiv, Ukraine ^b Department of analytical chemistry and physic-chemistry of coordination compounds, A. V. Bogatsky Physic-Chemical Institute of NAS of Ukraine, 86 Lustdorf road, 65080, Odessa, Ukraine,</i>
S₁₁-PP9	The influence of copper (2+) acetylacetonate on the linear and cross-linked polyurethanes short-range ordering Eu.V. Lobko, Z. O. Gagolkina, A.V. Hubina, N.V. Kozak, V.V. Klepko <i>Department of polymer physic, Institute of Macromolecular Chemistry of NAS of Ukraine, 48 Kharkivske chaussee, 02160, Kyiv,</i>
S₁₁-PP10	Study of the chemical composition versus the cold point filter plugging of biodiesel M. Tubino, A.G. Castro, R. A. Mattos <i>Institute of Chemistry, University of Campinas – UNICAMP, P.O. Box 6154, Campinas - SP, Brazil</i>

S₁₁-PP11	Kinetics of biodiesel oxidation stabilized with natural addictive antioxidant M. Tubino, A.G. Castro, <u>R. A. Mattos</u> <i>Institute of Chemistry, University of Campinas – UNICAMP, P.O. Box 6154, Campinas - SP, Brazil</i>
S₁₁-PP12	Photoreactive Nanoporous Lanthanide Mofs <u>A. Michaelides</u> , S. Skoulika and M. G. Siskos Department of Chemistry, University of Ioannina, 45110 Ioannina Greece
S₁₁-PP13	Electrospinning of chitosan based nanofiber mats as carriers for extract from the fruit hull of mangosteen <u>Praneet Opanasopit</u> , Natthan Charernsriwilaiwat, Theerasak Rojanarata and Tanasait Ngawhirunpat Pharmaceutical Development of Green Innovations Group (PDGIG) Faculty of Pharmacy, Silpakorn University, Nakhon Pathom 73000, Thailand
S₁₁-PP14	Synthesis and study of palladium and platinum thio-derivatised nanoparticles <u>A. Pournara</u> , ^a N. Kourkouvelis, ^b I. Kostas, ^c D. Kovala-Demertzi ^a ^a <i>Department of Chemistry, University of Ioannina, Ioannina 45110, Greece</i> ^b <i>Department of Medical Physics, Medical School, University of Ioannina, Ioannina 45110, Greece</i> ^c <i>National Hellenic Research Foundation, Institute of Organic and Pharmaceutical Chemistry, Vas. Konstantinou 48, Athens 11635, Greece</i>
S₁₁-PP15	Fabrication of superparamagnetic nanocluster for increasing the T2 relaxivity and comparison of T2 relaxivity according to the primary particle size <u>Youngjun Ro</u> , ^a Joseph Park, ^a Byunghoon Kang, ^a Jin-Suck Suh, ^b Yong-Min Huh, ^{b*} and SeungjooHaam ^{a*} ^a <i>Department of Chemical and Biomolecular Engineering, Yonsei University, Republic of Korea.</i> ^b <i>Department of Radiology, College of Medicine, Yonsei University, Republic of Korea.</i>
S₁₁-PP16	Fast, safe and sustainable mini-scale liquid extraction for the assay of chlorpheniramine maleate tablets and syrup using microvolume spectrophotometry <u>T. Rojanarata</u> , A. Sripattanaporn, K. Waewsang, P. Buacheen, P. Opanasopit, T. Ngawhirunpat Pharmaceutical Development of Green Innovations Group (PDGIG), Faculty of Pharmacy, Silpakorn University, Nakhon Pathom, Thailand
S₁₁-PP17	Electrochemical Deposition of Size- and Shape-Controlled Metal Nanoparticles on Conductive Substrates by Tapping Mode AFM <u>Ichiro Tanabe</u> and Tetsu Tatsuma <i>Institute of Industrial Science, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8505, Japan</i>
S₁₁-PP18	The Preparation of Pb(Zr_{0.53}Ti_{0.47})O₃(PZT) nanorods and nanohexagons by a modified sol-gel method <u>Qian.Wan</u> , ^a Quanrong.Gu, ^a James.Xing, ^c and Jie.Chen, ^{a,b,*} ^a <i>Department of Electrical and Computer Engineering, University of Alberta, 9107 - 116 Street ECERF 2nd floor, Edmonton, CANADA.</i> ^b <i>Department of Biomedical Engineering, University of Alberta, 1098 Research Transition Facility, Edmonton, CANADA</i> ^c <i>Department of Laboratory Medicine and Pathology, University of Alberta, 4B1.21 Walter Mackenzie Centre 8440 – 112 Street, Edmonton, CANADA</i>
S₁₁-PP19	Rearrangement of the preformed triaza-adamantane amination to its imine isomer Young Hoon Lee, ^a Jack M. Harrowfield, ^b Jean-Marie Lehn, ^b Pierre Thuéry, ^c Bok Jo Kim ^d and <u>Yang Kim</u> ^a ^a <i>Department of Chemistry & Advanced Materials, Kosin University, 149-1, Dongsam-dong, Yeongdo-gu, Busan, South Korea.</i> ^b <i>Laboratoire de Chimie Supramoléculaire, Institut de Science et d'Ingénierie Supramoléculaires, Université de Strasbourg, 8, allée Gaspard Monge, 67083 Strasbourg, France.</i> ^c <i>CEA, IRAMIS, UMR 3299 CEA/CNRS SIS2M, LCCEf, Bât. 125, F-91191 Gif-sur-Yvette, France.</i> ^d <i>Department of Biomedical Laboratory Science, College of Health, Kyungwoon University, Gumi-si, Gyeongsangbuk-do, 730-739, South Korea.</i>

S₁₁-PP20	Preparation and Characterization of Bio-Nanocomposites Based on Chitosan / Modified Teeth <u>S. KARAKUS, T. SISMANOGLU</u> Istanbul University, Engineering Faculty, Chemistry Department, AVCILAR-ISTANBUL-TURKEY
S₁₁-PP21	Preparation and Characterization of Alginate/acid activated Zeolite Nanobeads S. KARAKUS, Y. KISMIR, A. KILISLIOGLU, <u>T. SISMANOGLU</u> and A. Z. AROGUZ Istanbul University, Engineering Faculty, Chemistry Department, AVCILAR-ISTANBUL-TURKEY
S₁₁-PP22	Multiscale theoretical modeling of the aggregation and adsorption behaviour of heavy oils <u>S. R. Stoyanov</u> , ^a L. M. da Costa, ^{a,b} S. Gusarov, ^a J. W. M. Carneiro, ^b A. Kovalenko ^{a,c} ^a National Institute for Nanotechnology (NINT), 11421 Saskatchewan Drive, Edmonton, Alberta, T6G 2M9, Canada ^b Institute of Chemistry, Universidade Federal Fluminense, Niteroi, Rio de Janeiro, Brazil ^c Department of Mechanical Engineering, University of Alberta, Edmonton, Alberta, Canada
S₁₁-PP23	Manipulation of HA ratio on magnetic nano particles for efficient targeting of CD44 via MR imaging <u>Taek-su Lee</u> , ^a Eun-Kyung Lim ^a , Jaemin Lee ^a , Byunghoon Kang ^a , Jin-Suck Suh ^b , Young-Min Huh ^{b*} , and Seungjoo Haam ^{a*} ^a Department of Chemical and Biomolecular Engineering, Yonsei University, Seoul 120-749, Seoul South Korea ^b Department of Radiology, College of Medicine, Yonsei University, Seoul 120-752, Seoul, South Korea

FOOD CHEMISTRY

S12

ROOM 5, APRIL 21, 2012

PROGRAM OF LECTURES

21/4/2012 FIFTH DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL 8
	Convener V. Brabec
PL8	<u>Jim A. Thomas</u> ^a Department of Chemistry, University of Sheffield, Brook Hill, Sheffield, UK Multifunctional in cellulose probes
9:00-10:00	ROOM 1. PLENARY LECTURE, PL 9
	Convener W. Nakanishi
PL9	<u>Bernd M. Rode</u> , Thomas Jakschitz Theoretical Chemistry Division, Institute for General, Inorganic and Theoretical Chemistry, University of Innsbruck, Austria Chemical Evolution of Peptides and Proteins and the Origin of Life
	Session: Food Chemistry S12 Room 3
	Chair: M. Kontominas- C Drouza
10:00-10:20 S ₁₂ -OP1	<u>Z. Vincevica-Gaile</u> , ^a M. Klavins, ^a V. Rudovica, ^b A. Viksna, ^b ^a Department of Environmental Science, University of Latvia, Alberta 10, Riga, Latvia ^b Faculty of Chemistry, University of Latvia, Kr.Valdemara 48, Riga, Latvia Trace and Major Elements in Root Vegetables: a Study in Latvia
10:20-10:40 S ₁₂ -OP2	A. Badeka and <u>M.G. Kontominas</u> Laboratory of Food Chemistry, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece Effect of ionizing radiation on polymeric food packaging materials
10:40-11:00 S ₁₂ -OP3	<u>L.H. Lim</u> ^a and C.Y.Aun ^b ^a FOS (Chemistry), Universiti Brunei Darussalam, Tunkgu Link Road, Brunei Darussalam BE 1410. Assessment of children's consumption of nitrate and nitrite in cured meat
11:00-11:30	<u>Ibrahim Abdul Rahman</u> ^a and Ehsan Ali ^b ^a Faculty of Science (Chemistry), Universiti Brunei Darussalam, Brunei Darussalam BE 1410 ^b Fakulti Sains dan Teknologi, Universiti Kebangsaan Malaysia. 43600 Bangi, Selangor, Malaysia Synthetic and Fermented source of Ethanol
11:30-11:50 S ₁₂ -OP4	COFFEE BREAK
11:50-12:10 S ₁₂ -OP5	Drouza Chrysosoula, <u>Tsaousi Konstantina</u> , ^a Koutinas Athanasios ^b ^a Department of Agricultural Sciences, Biotechnology and Food Science, Cyprus University of Technology, P.O. Box 50329, 3603 Lemesos, Cyprus, ^b Department of Chemistry, Biotechnology Group, University of Patras GR-26500 Patras, Greece Biocatalysts in alcoholic fermentations
12:10-12:30 S ₁₂ -OP6	M.F.L. Amon ^a and <u>L.P. Pladio</u> ^b ^{ab} Department of Chemistry, Benguet State University, Benguet, Philippines Potential Food Colorant from the Extracts of Alughati (<i>Basella rubra</i> L.)
12:30-12:50 S ₁₂ -OP7	<u>C. Drouza</u> , K. Tsaousi Department of Agriculture Sciences, biotechnology and Food Science, Cyprus University of Technology, P.O. Box 50329, 3603 Lemesos, Cyprus, Applications of NMR Spectroscopy on Food Analysis
12:50-13:20 S ₁₂ -OP8	<u>Leif H. Skibsted</u> Department of Food Science, University of Copenhagen, Rolighedsvej 30, DK-1958 Frederiksberg C, Denmark Radical Interaction between Carotenoids and Plant Phenols and Antioxidant Synergism

POSTER SESSION
FOOD CHEMISTRY S12

S₁₂-PP1	<p>Formation of aroma compounds in solid state fermentation of agroindustrial wastes using various microorganisms. <u>T. Aggelopoulos^a</u>, A.A Koutinas^a, A. Bekatorou^a, A. Pandey^b ^a<i>Food Biotechnology Group, Department of Chemistry, University of Patras, Greece. Tel.: +30-2610997105,</i> ^b<i>Biotechnology Division, National Institute for Interdisciplinary Science and Technology, 695 019, Trivandrum, India</i></p>
S₁₂-PP2	<p>Analytical procedure for the simultaneous determination of 23 possible contaminants in recycled cardboard food packaging materials and food stimulant (Tenax) <u>I.- E. Parigoridi</u>, K. Akrida-Demertzi and P. G. Demertzis* <i>University of Ioannina, Department of Chemistry, Laboratory of Food Chemistry, GR-45110 Ioannina, Greece</i></p>
S₁₂-PP3	<p>Production of Low-fat Cheese from Cow and Mung Bean Milk <u>K. Harismah</u>, and K. Firmanda,^a ^a<i>Department of Chemical Engineering, Muhammadiyah University of Surakarta, Jl. A. Yani Pabelan Kartasura, Surakarta, Indonesia 57102</i></p>
S₁₂-PP4	<p>Effects of treatment with nisin and natamycin on the quality and shelf-life of a Greek soft acid-curd cheese "Galotyri" <u>L. D. Kallinteri^a</u>, O. K. Kostoula^b, I. N. Savvaidis^a ^a<i>Laboratory of Food Chemistry and Food Microbiology, Department of Chemistry, University of Ioannina, GR-45110, Ioannina, Greece</i> ^b<i>Laboratory of Molecular Biology, Department of Biological Applications and Technologies, University of Ioannina, GR-45110, Ioannina, Greece</i></p>
S₁₂-PP5	<p>Classification of Greek and Cypriot Honeys by NMR spectroscopy ¹<u>Manos Vlasiou</u>, ³Michalis Kontominas, ⁴Chara Papastefanou, ²Chrysoulla Drouza, ¹Anastasios Keramidas. ¹<i>University of Cyprus, Department of Chemistry, 1678 Nicosia, Cyprus.</i> ²<i>Cyprus University of Technology, Department of Agricultural Sciences, Biotechnology and Food Science, 3603 Limasol, Cyprus.</i> ³<i>University of Ioannina, Department of Chemistry, 1186 Ioannina, Greece.</i> ⁴<i>Food lab ltd, P.O BOX 27827, Nicosia, Cyprus.</i></p>

CHEMICAL EDUCATION

S13

ROOM 2, APRIL 21, 2012

21/4/2012 SIXTH DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL 8
	Convener V. Brabec
PL8	Jim A. Thomas ^a Department of Chemistry, University of Sheffield, Brook Hill, Sheffield, UK Multifunctional in cellulose probes
9:00-10:00	ROOM 1. PLENARY LECTURE, PL 9
	Convener W. Nakanishi
PL9	Bernd M. Rode , Thomas Jakschitz Theoretical Chemistry Division, Institute for General, Inorganic and Theoretical Chemistry, University of Innsbruck, Austria Chemical Evolution of Peptides and Proteins and the Origin of Life
	Session: Chemical Education S13 Room 2
	Chair: Zafra M. Lerman , Basil Marasinghe
10:00-10:30 S ₁₃ -OP1	Zafra M. Lerman ^a ^a MIMSAD, Inc., 1911 Grant St., Evanston, Illinois, 60201, USA Chemistry Education for All Levels: Active Learning Through Creative Projects
10:30-10:55 S ₁₃ -OP2	Jerry L. Sarquis Chemistry & Biochemistry, Miami University, Oxford, OH, USA, 1514 Lupine Rd., Healdsburg, CA 95448 USA Implementing POGIL in General Chemistry
10:55-11:20	COFEE BREAK
11:20-11:45 S ₁₃ -OP3	Rachel Mamlok-Naaman <i>The Department of Science Teaching, The Weizmann Institute of Science, Rehovot, Israel</i> Chemistry Teachers Enrich their Scientific Knowledge
11:45-12:05 S ₁₃ -OP4	L. Mammino ^a ^a Department of Chemistry, University of Venda, P/bag X5050, Thohoyandou 0950, South Africa Misconceptions: Prevention versus Treatment
12:05-12:30 S ₁₃ -OP5	Basil Marasinghe [*] [*] Division of Chemistry, University of PNG, NCD, Papua New Guinea Changing Attitudes towards Learning Chemistry among School Children and Undergraduates in Papua New Guinea.
12:30-12:50 S ₁₃ -OP6	Arlyne Sarquis , ^a Lynn Hogue , ^b ^a Chemistry and Biochemistry, Terrific Science, Healdsburg, CA, USA ^b Chemistry and Biochemistry, Terrific Science, Cincinnati, OH USA Argument-Based Inquiry
12:50-13:10 S ₁₃ -OP6	Arlyne Sarquis , ^a Lynn Hogue , ^b ^a Chemistry and Biochemistry, Terrific Science, Healdsburg, CA, USA ^b Chemistry and Biochemistry, Terrific Science, Cincinnati, OH USA Argument-Based Inquiry
13:10-14:30	LUNCH
14:30-16:00	POSTER SESSION

POLYMER SCIENCE

S14

ROOM 3, APRIL 21, 2012

21/4/2012 SIXTH DAY	
8:00-9:00	ROOM 1. PLENARY LECTURE, PL 8
	Convener V. Brabec
PL8	Jim A. Thomas ^a Department of Chemistry, University of Sheffield, Brook Hill, Sheffield, UK Multifunctional in cellulose probes
9:00-10:00	ROOM 1. PLENARY LECTURE, PL 9
	Convener W. Nakanishi
PL9	Bernd M. Rode , Thomas Jakschitz Theoretical Chemistry Division, Institute for General, Inorganic and Theoretical Chemistry, University of Innsbruck, Austria Chemical Evolution of Peptides and Proteins and the Origin of Life
	Session: Polymers Science S14 Room 3
	Chair: Shuichi Kanno, D. Crespy
10:00-10:25 S ₁₄ -OP1	Shuichi Kanno Tohoku Seikatsu Bunka Junior College, 1-18-2 Nijinooka, Izumi-Ku, Sendai-Shi, Miyagi 981-8585, Japan Investigation of Ionic Liquid Precursor Properties as an Initiator of Unique Radical Polymerization
10:25-10:50 S ₁₄ -OP2	A.Z. Aroguz ¹ , K. Baysal ^{2,3} , Z. Adigüzel ² , B.M. Baysal ^{2,4} ¹ Chemistry Department, Engineering Faculty, Istanbul University, 34850 Avcilar-Istanbul, Turkey ² TÜBİTAK, Marmara Research Center, Genetic Engineering and Biotechnology Institute, 41470 Gebze-Kocaeli, Turkey ³ Biochemistry Department, Medical Faculty, Dokuz Eylül University, Inciraltı-Izmir, Turkey ⁴ Chemical Engineering Department, Boğaziçi University, 81815 Bebek-Istanbul, Turkey The Preparation of Crosslinked Biodegradable Polymeric Hydrogels for Tissue Engineering Applications
10:50-11:20	COFFEE BREAK
11:20-11:45 S ₁₄ -OP3	D. Crespy , K. Landfester Max Planck Institute for Polymer Research, Ackermannweg 10, 55128 Mainz, Germany Synthesis of anisotropic particles: new materials and new methods
11:45-12:10 S ₁₄ -OP4	Ming-Siao Hsiao , ^a Siti Fairus Mohd Yusoff, ^a Mitchell A. Winnik, ^{b*} and Ian Manners ^{a*} ^a School of Chemistry, University of Bristol, Bristol BS8 1TS, UK ^b Department of Chemistry, University of Toronto, 80 St. George Street, Toronto, Ontario, M5S 3H6, Canada The Influence of Molecular Weight and Solvent Polarity on the Morphological Transitions of Poly(ferrocenyldimethylsilane)-<i>b</i>-Poly (2-vinylpyridine) Diblock Copolymer Micelles with a Crystallizable Core-Forming Metalloblock
12:10-12:35 S ₁₄ -OP5	Ismail A. Alkskas [*] and Altaher M. Alhubge ^{**} [*] Polymer Lab, Department of Chemistry, Faculty of Science, Misurata University, Misurata, P.O.Box 2247, Libya, ^{**} Department of Microbiology, Faculty of Science, Misurata University, Misurata, Libya Synthesis, Characterization and Biologecal Activity of New Polyketones.
12:35-13:00 S ₁₄ -OP6	I. Chevrier, ^a P. S. Brunetto, ^a T. V. Slenters, ^b J. L. Sagué, ^c A. Y. Robin, ^b K. M. Fromm ^a ^a Department of Chemistry, University of Fribourg, Chemin du Musée 9, Fribourg, Switzerland ^b Department of Chemistry, University of Basel, Basel, Switzerland ^c RMS Foundation, Bettlach, Switzerland Silver Coordination Polymers and their Applications
13:00-14:30	LUNCH
14:30-16:00	POSTER SESSION

	Session: Polymers Science S14 Room 3
	Chair: Shuichi Kanno, D. Crespy
16:00-17:25 S ₁₄ -OP7	<u>Cristian Peptu</u> , Valeria Harabagiu, Bogdan C. Simionescu <i>"Petru Poni" Institute of Macromolecular Chemistry, Aleea Grigore Ghica Voda 41A, 700487, Iasi, Romania</i> Cyclodextrin-polyester derivatives - synthesis and mass spectrometry characterization at molecular level
16:00-17:25 S ₁₄ -OP8	<u>M.N. El Hazeek</u> Nuclear Materials Authority, P.O. Box 530 El Maadi, Cairo, Egypt Chemistry Department, Faculty of Science, Jazan University, Saudi Arabia Soda fusion of Nb-Ta polymineralized ore material

POSTER SESSION POLYMERS SCIENCE S14

S₁₄-PP1	<p>Preliminary studies concerning polyaniline embedded lanthanide complexes as emissive layers for electroluminescent devices V. Musat, <u>M. Popa</u>, C.S. Stan <i>"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection,</i> 73 Prof.dr.docent Dimitrie Mangeron, 700050, Iasi, Romania,</p>
S₁₄-PP2	<p>Biodegradability Study on New Polymers Derived from D-glucose A.M. Pană^a, L.M. Ștefan^b, G. Bandur^b, P. Sfirloagă^c, V. Gherman^b, L.M. Rusnac^b, <u>M. Popa</u>^a ^a <i>Gheorghe Asachi Technical University, Faculty of Chemical Engineering and Environmental Protection, 73 Prof. dr. docent Dimitrie Mangeron, 700050, Iași, Romania</i> ^b <i>Politehnica University of Timișoara, Faculty of Industrial Chemistry and Environmental Engineering, 6 Carol Telbisz, 300001, Timișoara, Romania</i> ^c <i>The Institute of Research for Condensed Matter, 1 P. Andronescu Str., 300224, Timișoara, Romania</i></p>
S₁₄-PP3	<p>Effects of Feeding Type on the Properties of Emulsion Copolymers A. Kahraman, D. Maşalı, B. Poyrazoğlu, <u>A. Saraç</u> <i>Department of Chemistry, Yildiz Technical University, 34220 Esenler, İstanbul, TURKEY</i></p>
S₁₄-PP4	<p>Preparation of Conductive Polyaniline/ Chlorosulfonated Polyethylene Blend via Solution Mixing and Study of Their Properties <u>Elaheh Bakhtiarian</u>^{a,b,c}, Peter Foot^c <i>(a) Islamic Azad University, Oxford Branch, Oxford, United Kingdom</i> <i>(b) Dept. of Chem., Islamic Azad University, South Tehran Branch, Tehran, Iran,</i> <i>(c) Materials Research Group, Faculty of Science, Engineering and Computing, Kingston University, Penrhyn Road, Kingston upon Thames, Surrey KT1 2EE, United Kingdom</i></p>
S₁₄-PP5	<p>Biodegradation of polyglucanurethane networks based on xanthan and blocked poluisocyanate <u>A.V. Hubina</u>, N.V. Kozak, E.V. Lobko <i>Institute of Macromolecular Chemistry NAS of Ukraine, Kharkivske chaussee, 48, Kyiv, Ukraine</i></p>
S₁₄-PP6	<p>Self-Healing Coatings For Concrete Protection <u>Ye-Ji Lim</u>, Young-Kyu Song, Hwan-Chul Yu and Chan-Moon Chung <i>Department of Chemistry, Yonsei University, Wonju, Gangwon-do 220-710, South-Korea</i></p>
S₁₄-PP7	<p>Crack Healing in a PFCB-type polymer by microwave irradiation <u>Mina Park</u>, Mi-Ran Yu, Hwan-Chul Yu and Chan-Moon Chung <i>Department of Chemistry, Yonsei University, 1 Yonseidae-gil, Wonju, Republic of Korea</i></p>
S₁₄-PP8	<p>Characterization of dextrans obtained by different conditions of starch hydrolysis Iva Vukićević,^a Tina Kamčeva,^a Maja Radisavljević,^a Vladimir Pavlović,^b Zoran Vujčić,^c Marijana Petković,^a ^a <i>Institute of Nuclear Sciences „Vinča“, University of Belgrade, Mike Petrovića Alasa 12-14, Belgrade, Serbia</i> ^b <i>Faculty of Agriculture, University of Belgrade, Nemanjina 6, Belgrade, Serbia</i> ^c <i>Faculty of Chemistry, University of Belgrade, Studentski trg12-16, Belgrade, Serbia,</i></p>
S₁₄-PP9	<p>Synthesis, Dielectric And Swelling Characterization Of Novel Chitosan-Poly((N,N-Dimethylamino)Ethyl Methacrylate) Semi-Ipn Gel Films <u>Gökçen Yenici</u>^{a,*}, Shokat Sarmad^a, Koray Gürkan^b, Gönül Keçeli^c, Gülten Gürdağ^a <i>a. Department of Chemical Engineering, Faculty of Engineering, Istanbul University, 34320, Avcılar, İstanbul, Turkey.</i> <i>b. Department of Electrical and Electronics Engineering, Faculty of Engineering, Istanbul University, 34320, Avcılar, İstanbul, Turkey.</i> <i>c. Department of Chemistry, Faculty of Engineering, Istanbul University, 34320, Avcılar, İstanbul, Turkey.</i></p>

S₁₄-PP10	The Use of Ionic Liquids in Solvent-enhanced Radical Polymerization <u>Shuichi Kanno</u> <i>Tohoku Seikatsu Bunka Junior College, 1-18-2 Nijinooka, Izumi-Ku, Sendai-Shi, Miyagi 981-8585, Japan</i>
S₁₄-PP11	The Removal of Methylene Blue by Marine Green Algae: Kinetic Modelling and Regression Analysis <u>S. KARAKUS, A. Z. AROGUZ</u> <i>Chemistry Department, Engineering Faculty, Istanbul University, 34850 Avcilar-Istanbul, Turkiye</i>
S₁₄-PP12	Adsorption Behaviour of Congo red onto Green Algae/Modified Bentonite Green Nanocomposite <u>S. KARAKUS, A. Z. AROGUZ</u> <i>Chemistry Department, Engineering Faculty, Istanbul University, 34850 Avcilar-Istanbul, Turkiye</i>
S₁₄-PP13	Adsorption Kinetic of Methyl Violet on Fethiye Saklikent Mud <u>Yasemin KİŞMİR, Ayşe Zehra AROĞUZ</u> <i>Chemistry Department, Engineering Faculty, Istanbul University, 34850 Avcilar-Istanbul, Turkiye</i>

GENERAL MINI SYMPOSIA

GMS

ROOM 2, APRIL 21, 2012

21/4/2012 SIXTH DAY	
	Session: General Mini Symposimu ROOM 2
	Chair: I. Seimenis
16:00-16:30 S _{GMS} -OP1	I.A. Seimenis Department of Mediterranean Studies, University of the Aegean, GR-85100 Rhodes, Greece The Chemical Weapons Convention and The Organization for the Prohibition of Chemical Weapons (OPCW)
16:30-17:00 S _{GMS} -OP2	Curt Wentrup <i>Australian Journal of Chemistry, c/o The University of Queensland, School of Chemistry and Molecular Biosciences, Brisbane 4072, Australia wentrup@uq.edu.au</i> Australian Journal of Chemistry @ Eurasia 12
17:00-17:30 S _{GMS} -OP3	Mirela Miraci ^a , Gentiana Qendro ^b , Ela Hoti ^a , Ledjan Malaj ^a , ^a <i>Department of Pharmacy, Faculty of Medicine, University of Tirana, Tirana, Albania</i> ^b <i>Department of Pharmacy, University "Planetar of Tirana", Tirana, Albania, (farmaci.genta@yahoo.com)</i> The legislative framework related to the destruction of expired drugs and without the proper use in Albania

21/4/2012 SIXTH DAY	
16:00-18:00	MEETING OF THE INTERNATIONAL ORGANIZING COMMITTEE

21/4/2012 SIXTH DAY	
18:00-19:30	CLOSING CEREMONY

LATE SUBMISSIONS

LP1	Highly chemo- and regioselective metal phthalocyanines catalyzed reductions <u>Upendra Sharma</u> , Praveen Kumar Verma, Vishal Kumar, Neeraj Kumar, Bikram Singh Natural Plant Products Division, CSIR-Institute of Himalayan Bioresource Technology Palampur, Himachal Pradesh-176 061, INDIA
LP2	Azo-polysiloxanes for Photo-sensitive Micelles with Potential Applications in Biology <u>I.A. Moleavin</u> , ^a M. Hamel, ^a L. Rocha, ^a N. Hurduc, ^b <i>a Laboratoire Capteurs et Architectures Électroniques, CEA- LIST Saclay, F-91191 Gif-sur-Yvette, France</i> <i>b Department of Natural and Synthetic Polymers, Technical University Iasi, 71 Mangeron Av., Iasi, Roumanie</i>

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Kumar V. LP1
Kumar N. LP1
Singh B. LP1

Moleavin I.A. LP2
Hamel M. LP2
Rocha L. LP2
Hurdac N. LP2



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