

1st International Conference on Noncovalent Interactions



ICNI 2019

2 - 6 september, 2019 | Lisbon, Portugal

PROGRAM

<https://icni2019.eventos.chemistry.pt/>

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Welcome

Dear Colleagues,

Noncovalent interactions were firstly taken into consideration by van der Waals in 1873, helping to revise the equation of state for real gases. In comparison to covalent bonds, intra- and intermolecular noncovalent interactions are in general weak and exhibit much lower energy and directionality, as reflected by the term "noncovalent". Nevertheless, in many cases these interactions can collectively play a dominant role in synthesis, catalysis and design of materials.

Currently, based on the nature of the particular elements or synthons involved in the interactions, noncovalent bonds are classified into hydrogen, noble gases, halogen, chalcogen, pnictogen, tetrel and triel bonds, as well as agostic, anagostic, cation- π , anion- π , $n-\pi^*$, $\pi-\pi$ stacking, metal-metal, dispersion-driven and hydrophobic interactions, etc.

As the fields of noncovalent interactions are growing intensively, several books in Wiley, Royal Society of Chemistry, Elsevier or Springer and four thematic issues on these weak forces have been published in Chemical Reviews in 1988, 1994, 2000 and 2016. The hydrogen, halogen and chalcogen bonds have already been defined by IUPAC (Recommendations 2011, 2013 and 2019, respectively), the definitions for pnictogen and tetrel bonds are under progress. Moreover, there are international conferences/symposia on Supramolecular Chemistry, and particular types of noncovalent interactions, such as The International Conference on "Horizons in Hydrogen Bond Research" (established by Prof. Lucjan Sobczyk in Poland in 1977), International Symposium on Halogen Bonding [established by Prof. Pierangelo Metrangolo and Prof. Giuseppe Resnati in Porto Cesareo (Lecce, Italy) in 2014], etc.

Thus, the chemistry of this century is expected to be largely driven by noncovalent interactions and it is timely to establish a general/regular series of **International Conferences on Noncovalent Interactions (ICNI)**, the first one to be held on 2-6 September 2019 in Lisbon.

Further editions within this series will be followed every two years, in odd number years (2021, 2023, etc.), thus avoiding competition with other major series of conferences, i.e., the ICOMC and ICCM, which are being held in even years (2014, 2016, 2018, etc.).

We are thankful to all **International Advisory Board** who are well recognized scientists in this field, representing Europe, Asia, Africa and America for their support and suggestions. Hence, on behalf of the Organizing Commission, it is our pleasure to invite you to attend the **1st International Conference on Noncovalent Interactions (ICNI)** to be held in Lisbon in 2019 (September 2-6). It is an honor for us to host the first Conference of this series in Portugal. The scientific level of the conference will be provided by its attendants and thus you are cordially invited to present your best and recent scientific work orally, by poster or by poster with a flash oral presentation. The final selection of the type of presentation will have to take into account the scientific programme and facilities layout. Not only the senior researchers are welcome, but also the younger ones, encouraging the exchange of ideas among different generations.

The conference aims to highlight the role of **Noncovalent Interactions** in Synthesis, Catalysis, Crystal engineering, Molecular recognition, Medicinal chemistry, Biology, Materials science, Electrochemical immobilization, etc. including also Theoretical aspects. All approaches will be considered, from fundamental to applied ones, including discussion of new types of noncovalent interactions (noble gases, halogen, chalcogen, pnictogen, tetrel and triel bonds) and multidisciplinary studies.

The Conference venue is in a privileged position concerning travel requirements. Lisbon is easily reachable from any place of the world, the airport and the main train stations are located inside the town itself (this is a unique case within the European capitals) and all are well served by metro. The Conference place, at the Universidade de Lisboa campus, is also in the town and with close access to public transportation, including metro. Diverse and convenient accommodation facilities are available close to the venue, including low-cost University residences.

Attention will also be paid to the social programme, providing opportunities for mixing, visits to cultural places, excursions to sites of unique natural beauty, and for tasting the typical Portuguese cuisine and feeling the inspiration of our wines!

We'll be most pleased to welcome you herein and do hope you will enjoy a pleasant time along all the Conference, from both scientific and social points of view.

All best wishes,

The organizing committee



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Conference Medal



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CNRS-Université de Rennes 1, France



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Colorado State University, USA



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Universitat de les Illes Balears, Spain
(Tutorial Lecture)



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Texas A & M University, USA



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Osaka University, Japan



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University of Jyväskylä, Finland



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Academy of Sciences of
The Czech Republic, Czech Republic



Prof. Feihe Huang
Zhejiang University, China

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University of Geneva, Switzerland



Prof. Susumu Kitagawa
Kyoto University, Japan



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(Jamal) Musaev
Emory University, USA



Prof. Giuseppe Resnati
Politecnico di Milano, Italy
(IUPAC lecture)



Prof. Vincent Robert
University of Strasbourg, France



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CSIR-Indian Institute
of Chemical Technology, India



Prof. Hans-Jörg Schneider
Organische Chemie der Universität
des Saarlandes, Germany



Prof. Andrew S. Weller
University of Oxford, UK



Prof. Shinji Yamada
Ochanomizu University, Japan
(Tutorial Lecture)



Prof. Snežana D. Zarić
University of Belgrade, Serbia
(Tutorial Lecture)

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Kansas State University, USA



Prof. Ibon Alkort
Instituto de Química Médica, IQM-CSIC, Spain



Prof. Elangannan Arunan
Indian Institute of Science, India
(IUPAC Lecture)



Prof. Roger Bishop
University of New South Wales, Australia



Prof. Lee Brammer
University of Sheffield, UK



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Universidad de Murcia, Spain



Prof. Deepak Chopra
Indian Institute of Science Education
and Research Bhopal, India



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University of Strasbourg, France



Prof. Catharine Esterhuysen
Stellenbosch University, South Africa



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Ikerbasque Research Professor,
Kimika Fakultatea, Euskal Herriko
Unibertsitatea and Donostia
International Physics Center (DIPC), Spain



Prof. Fabrizia Grepioni
University of Bologna, Italy



Prof. Kazuaki Ishihara
Nagoya University, Japan



Keynote Lecturers



Prof. Wei Jun Jin
College of Chemistry,
Beijing Normal University,
The People's Republic of China



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University of Jyväskylä, Finland



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Universidade de Lisboa, Portugal



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Russian Academy of Sciences,
Russian Federation



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Indian Institute of Science Education
& Research, India



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Institute of Chemical Research of
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The Barcelona Institute of
Science and Technology (BIST), Spain



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Nanjing University, China

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Universidade de Lisboa, Portugal



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University of The Ryukyus, Japan



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South Ural State University
(National Research University),
Russian Federation



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Russian Academy of Sciences,
Russian Federation



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Max-Planck-Institut
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National Institute of Science Education
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Russian Academy of Sciences,
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Universität zu Köln, Germany



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University of Ottawa, Canada



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Università Degli Studi di Cagliari, Italy



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University of Zagreb, Croatia



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Universidade de Lisboa, Portugal



Prof. Anthony F. Cozzolino
Texas Tech University, USA

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University of Zagreb, Croatia



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Universitat de Barcelona, Spain



Prof. Israel Fernández
Universidad Complutense de Madrid, Spain



Dr. Oleg A. Filippov
A. N. Nesmeyanov Institute of
Organoelement Compounds (INEOS)
Russian Academy of Sciences,
Russian Federation



Prof. Marc Fourmigué
Univ Rennes, CNRS, ISCR
(Institut des Sciences Chimiques
de Rennes), France



Prof. Carlo Gatti
CNR-ISTM, Istituto di Scienze
e Tecnologie Molecolari, Italy



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Universidad Autónoma de Madrid, Spain



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Stellenbosch University, South Africa



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Universidad de Zaragoza – CSIC, Spain



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Tallinn University of Technology, Estonia



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A.E. Arbuzov Institute of Organic
and Physical Chemistry Kazan,
Russian Federation



Prof. Karl Kirchner
Institute of Applied Synthetic Chemistry,
Vienna University of Technology, Austria



Dr. Ming Liu
University of Liverpool, UK



Dr. Javier López-Andarias,
University of Geneva, Switzerland



Prof. Dominique Lorcy
Univ Rennes, CNRS, ISCR (Institut des Sciences
Chimiques de Rennes), France

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South University of Science
and Technology of China, China



Prof. Yi Luo
Dalian University of Technology,
China



Prof. Hiromitsu Maeda
Ritsumeikan University, Japan



Prof. Krešimir Molčanov
Ruder Bošković Institute, Croatia



Dr. Tiddo J. Mooibroek
Van't Hoff Institute for Molecular Sciences,
Universiteit van Amsterdam, The Netherlands



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CIQSO - Centre for Research in Sustainable
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Beijing Normal University, China



Prof. Yanli Zeng
Hebei Normal University, China



Monday, September 2, 2019			
08.00-09.15	Registration		
09.15-09.45	Room A <i>Chair: Armando J.L. Pombeiro</i>		
	Opening Ceremony Kamran T. Mahmudov Dario Braga Djamaladdin G. Musaev		
	09.45-10.30	PL1: <i>Noncovalent control of spin-state in organometallic complexes</i> Pavel Hobza ^{1,2} ¹ Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic ² Regional Centre of Advanced Technologies and Materials, Palacký University, Šlechtitelů, Czech Republic	
10.30-11.00	COFFEE BREAK		
11.00-11.45	Room A <i>Chair: Giuseppe Resnati</i>		
	PL2: <i>Quantification of noncovalent interactions-promises and problems</i> Hans-Jörg Schneider FR Org. Chemie der Universität des Saarlandes, Germany		
11.45-12.15	Room A <i>Chair: Giuseppe Resnati</i>	Room B <i>Chair: Deepak Chopra</i>	Room C <i>Chair: Antonio Frontera</i>
	KL1: <i>From molecular dating to functional materials</i> Christer Aakeröy Kansas State University, USA	IL1: <i>Halogen bonding influence in chloride substitution reactions</i> Marta E. G. Mosquera Universidad de Alcalá, Spain	IL4: <i>Enhancing directionality in chalcogen bonding: organic selenocyanates for anion recognition</i> Marc Fourmigué Univ Rennes, CNRS, ISCR (Institut des Sciences Chimiques de Rennes), France
	12.15-12.45	IL2: <i>Exploring uncommon halogen bond acceptors in cocrystals of perhalogenated compounds</i> Dominik Cinčić University of Zagreb, Croatia	IL5: <i>Functional supramolecular structures assembled by chalcogen bonding</i> Ignacio Vargas-Baca McMaster University, Canada
	KL2: <i>Tuning luminescence and photoreactivity in organic cocrystals and salts</i> Fabrizia Grepioni University of Bologna, Italy	IL3: <i>The "windmill" pattern halogen bond vs the "head to tail" halogen bond</i> Yanli Zeng Hebei Normal University, China	IL6: <i>Chalcogen interactions in neutral radical gold dithiolene complexes: from semi-conducting to metallic behavior</i> Dominique Lorcy Univ Rennes, CNRS, ISCR (Institut des Sciences Chimiques de Rennes), France



12.45-14.15	LUNCH		
14.15-15.00	<p>Room A Chair: Pierre Braunstein</p> <p>PL3: <i>Organic-inorganic ionic co-crystals – a surprisingly versatile new class of crystalline compounds</i> Dario Braga University of Bologna, Italy</p>		
15.00-15.45	<p>PL4: <i>Noncovalent interactions: your key players in stereoselective ring-opening polymerizations</i> Jean-François Carpentier Université de Rennes 1, CNRS, Institut des Sciences Chimiques de Rennes, FRANCE</p>		
15.45-16.15	<p>Room A Chair: Pierre Braunstein</p> <p>KL3: <i>Expanding the portfolio of noncovalent driving forces</i> Werner M. Nau Jacobs University Bremen, Germany</p>	<p>Room B Chair: Feihe Huang</p> <p>IL7: <i>Supramolecularly directed rotary motion in a photoresponsive anion receptor</i> Sander J. Wezenberg Leiden University, The Netherlands</p> <p>IL8: <i>Unique responding and synergistic molecular recognition of supramolecular systems</i> Tatsuya Nabeshima University of Tsukuba, Japan</p> <p>IL9: <i>Anion selective transmembrane carriers displaying biological activity</i> Roberto Quesada Universidad de Burgos, Spain</p>	<p>Room C Chair: Giovanni Bistoni</p> <p>IL10: <i>Critical comparison of hydrogen bond and halogen bond directionality</i> Kevin E. Riley Xavier University of Louisiana, USA</p> <p>IL11: <i>Theoretical studies of various noncovalent interactions in organic, organometallic and coordination compounds using QTAIM approach and other computational techniques</i> Alexander S. Novikov Saint Petersburg State University, Russia</p> <p>IL12: <i>Computational discovery of CO₂-philic functional groups with quantum chemistry and machine learning</i> Konstantinos D. Vogiatzis University of Tennessee, USA</p>
	16.15-16.45	<p>KL4: <i>PCG factors affecting intermolecular noncovalent interactions</i> Wei Jun Jin Beijing Normal University, China</p>	
16.45-17.15	COFFEE BREAK		



	Room A <i>Chair: Slawomir J. Grabowski</i>	Room B <i>Chair: Marta E. G. Mosquera</i>	Room C <i>Chair: Marijana Đaković</i>
17.15-17.45	KL5: <i>Noncovalent interactions in inorganic Chemistry</i> Lee Brammer University of Sheffield, UK	IL13: <i>Halogen-bond catalysis with molecular iodine</i> Martin Breugt Universität zu Köln, Germany	IL16: <i>Light-responsive stimulation of supramolecular host-guest complexes in water</i> Uwe Pischel University of Huelva, Spain
17.45-18.15	KL6: <i>The advent of conceptual NCI-inclusive molecular engineering in transition metal organometallic chemistry</i> Jean-Pierre Djukic Université de Strasbourg, France	IL14: <i>How Halogen Bonding Catalyzes Michael Addition Reactions</i> Israel Fernández Universidad Complutense de Madrid, Spain	IL17: <i>Supramolecular polymeric luminescent nanoparticles</i> Qing-Zheng Yang Beijing Normal University, China
18.15-18.30	O1: <i>Aroylhydrazone complexes: noncovalent interactions in their structures and catalysis</i> Manas Sutradhar Universidade de Lisboa, Portugal	O4: <i>Interdependance of halogen and hydrogen bonds in crystal structures of meta-halogenopyridine salts and cocrystals</i> Vladimir Stilinović University of Zagreb, Croatia	O7: <i>On the uselessness of bond paths linking distant atoms and on the violation of the concept of privileged exchange channels</i> Mirosław Jabłoński Nicolaus Copernicus University, Poland



18.30-18.45	O2: <i>Continuum of covalent to intermolecular bonding in halogen-bonded complexes</i> Sergiy Rosokha Ball State University, USA	O5: <i>Guest encapsulations in non-porous crystals of fully fluorinated dinuclear metal complexes with M₂O₂ core</i> Akiko Hori Shibaura Institute of Technology, Japan	O8: <i>Exploiting hydrogen bonds to enhance aluminum catalyst performances in lactide ring-opening polymerization</i> Charles Romain Imperial College London, UK
18.45-19.00	O3: <i>3-aminopyrazine-2-carboxylate based coordination compounds: from crystal engineering to catalysis</i> Anirban Karmakar Universidade de Lisboa, Portugal	O6: <i>Mechanistic details of ethanol to butadiene conversion over metal oxides: a DFT Study</i> Yoong-Kee Choe National Institute of Advanced Industrial Science and Technology, Japan	O9: <i>Crystal engineering with chalcogen bonds: X-ray crystallography and multinuclear magnetic resonance spectroscopic investigations</i> Vijith Kumar University of Ottawa, Canada
19.00-21.00	WELCOME RECEPTION		



Tuesday, September 3, 2019			
09.00-09.45	Room A Chair: Hans-Jörg Schneider		
09.45-10.30	PL5: IUPAC Lecture <i>Halogen, chalcogen, pnictogen, and tetrel bonds: structural aspects</i> Giuseppe Resnati Politecnico di Milano, Italy		
10.30-11.00	COFFEE BREAK		
11.00-11.45	Room A Chair: Matti Haukka		
11.45-12.15	Room A Chair: Matti Haukka	Room B Chair: Elena S. Shubina	Room C Chair: Catharine Esterhuysen
11.45-12.15	KL7: <i>σ-Hole bonds of tetrahedral centres</i> Slawomir J. Grabowski ^{1,2} ¹ University of the Basque Country and Donostia International Physics Center (DIPC), Spain ² Basque Foundation for Science, Spain	IL19: <i>Solid-state NMR and NQR studies of noncovalent interactions</i> David L. Bryce University of Ottawa, Canada	IL22: <i>Porphyrin-based metal-organic frameworks as multifunctional materials</i> Filipe A. Almeida Paz University of Aveiro, Portugal
12.15-12.45	KL8: <i>Probing weak interactions in molecular crystals via electron density analysis</i> Deepak Chopra Indian Institute of Science Education and Research Bhopal, India	IL20: <i>NMR spectral diagnostics of strong hydrogen bonds: case of phosphinic acids</i> Peter M. Tolstoy St. Petersburg State University, Russia	IL23: <i>Harnessing outer-sphere interactions in homogeneous catalysis</i> Manuel Iglesias Universidad de Zaragoza, Spain
12.15-12.45	IL 21: <i>Halogenated isophthalamides and dipicolineamides: the role of the halogen substituent on the anion binding and transport properties</i> Claudia Caltagirone Università degli Studi di Cagliari, Italy	IL 24: <i>Redox-responsive supramolecular behaviors of TTF-annulated subphthalocyanine</i> Soji Shimizu Kyushu University, Japan	



12.45-14.15		LUNCH		
14.15-15.00	Room A Chair: Kazuaki Ishihara			
	PL8: <i>Experimental and theoretical interplay in the study of organometallic, underligated Cr(II) complexes</i> Pierre Braunstein, Vincent Robert Universite de Strasbourg, France			
15.00-15.45	PL9: <i>Cyclodextrin-based supramolecular materials</i> Akira Harada Osaka University, Japan			
15.45-16.15	Room A Chair: Kazuaki Ishihara	Room B Chair: Kevin E. Riley	Room C Chair: Jean-Pierre Djukic	
	KL9: <i>Multimolecular tectons in crystal engineering</i> Roger Bishop University of New South Wales, Australia	IL25: <i>Noncovalent chemistry with carbon</i> Tiddo J. Mooibroek University of Amsterdam, The Netherlands	IL28: <i>Dithiadiazolyl radicals in functional materials: understanding 'pancake' bonding</i> Delia A. Haynes Stellenbosch University, South Africa	
		IL26: <i>Carbohydrogen bond: a new noncovalent interaction</i> Himansu S. Biswal ^{1,2} ¹ National Institute of Science Education and Research (NISER), India ² Homi Bhabha National Institute, India	IL29: <i>Pnictogen bonding in solution: from catalysis to reversed bilayer formation</i> Anthony F. Cozzolino Texas Tech University, USA	
16.15-16.45	KL10: <i>Anion-anion and cation-cation complexes</i> Ibon Alkorta Instituto de Química Médica (CSIC), Spain	IL27: <i>Carbonyl-carbonyl interactions in transition metal complexes</i> Jorge Echeverría Universitat de Barcelona, Spain	IL30: <i>Common quantitative trends for the halogen, chalcogen, and pnictogen bonds</i> Ekaterina Bartashevich Ural State University, Russia	



16.45-17.15	<p>KL11: <i>Modelling of noncovalent interactions in excited states</i> Dana Nachtigalova Intstitute of Organic Chemistry and Biochemistry of the CAS, Czech Republic</p>	<p>O10: <i>Halogen bond and electrochemistry: a strong cooperation for anion detection in solution and at the interface</i> Claire Fave Université Paris Diderot, France</p> <p>O11: <i>D4 goes periodic: improving the applicability of the dispersion correction for condensed-phase systems</i> Jan-Michael Mewes Bonn University, Germany</p>	<p>F1: Elisabete C.B.A. Alegria</p> <p>F2: Olga Kulikova</p> <p>F3: Asja A. Kroeger</p> <p>F4: Tannistha Roy Barman</p> <p>F5: Bruno G. M. Rocha</p> <p>F6: Mohamed M.A. Soliman</p> <p>F7: Ekaterina S. Gulyaeva</p>
Detail information on Flash Presentations			
16.45-16.50	<p>F1: <i>Mechanochemical activation of noncovalent interactions</i> Elisabete C.B.A. Alegria^{1,2} ¹Universidade de Lisboa, Portugal ²Instituto Politécnico de Lisboa, Portugal</p>		
16.50-16.55	<p>F2: <i>Noncovalently linked water-soluble metalloporphyrin-quantum dot conjugates with potential application in photodynamic therapy</i> Olga Kulikova G.A. Krestov Institute of Solution Chemistry, Russia</p>		
16.55-17.00	<p>F3: <i>Catalysis by pure graphene - from supporting actor to protagonist through π-π interactions</i> Asja A. Kroeger The University of Western Australia, Australia</p>		
17.00-17.05	<p>F4: <i>Cu(II) complexes: structures, noncovalent interactions and microwave assisted oxidation of alkanes</i> Tannistha Roy Barman Universidade de Lisboa, Portugal</p>		
17.05-17.10	<p>F5: <i>Nickel(II) tetrazole-saccharinate complex as homogeneous catalyst on the reduction of aldehydes: scope and reaction mechanism</i> Bruno G. M. Rocha Universidade de Lisboa, Portugal</p>		
17.10-17.15	<p>F6: <i>ZnO nanoparticles: an efficient catalyst for transesterification reaction of α-keto carboxylic esters</i> Mohamed M.A. Soliman Universidade de Lisboa, Portugal</p>		



17.15-17.20	F7: <i>Amine-boranes dehydrogenation catalyzed by bimetallic W/Pd complex</i> Ekaterina S. Gulyaeva ^{1,2} ¹ M.V. Lomonosov Moscow State University, Russia ² A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
17.20-19.00	POSTER SESSION
20.00-23.00	SPEAKERS' DINNER



Wednesday (π-day), September 4, 2019			
09.00-09.45	Room A Chair: Djamaladdin G. Musaev		
09.45-10.30	PL10: Tutorial Lecture <i>Cation-π interactions in organic synthesis</i> Shinji Yamada Ochanomizu University, Japan		
10.30-11.00	COFFEE BREAK		
11.00-11.45	Room A Chair: Andrew S. Weller		
11.45-12.15	PL12: Tutorial Lecture <i>π-π interactions in organic, coordination, and organometallic compounds</i> Snežana D. Zarić ^{1,2} ¹ University of Belgrade, Serbia ² Texas A&M University at Qatar, Qatar		
12.15-12.45	Room A Chair: Andrew S. Weller	Room B Chair: Anton Vidal-Ferran	Room C Chair: Antonio Romerosa
11.45-12.15	KL12: <i>Putting small molecules into open-cage fullerenes</i> Yasujiro Murata Kyoto University, Japan	IL 31: <i>Noncovalent interactions in Ir-catalyzed enantioselective C(sp³)-H borylation</i> Masaya Sawamura Hokkaido University, Japan	IL 34: <i>Crystalline phase transition and related events of organometallic rotaxanes</i> Kohtaro Osakada Tokyo Institute of Technology, Japan
12.15-12.45	KL13: <i>Enantio- and site-selective α-fluorination of N-Acyl-3,5-dimethylpyrazoles catalyzed by chiral π-Cu(II) complexes</i> Kazuaki Ishihara Nagoya University, Japan	IL 32: <i>"C-H$\cdots$$\pi$ interaction" regulates rtereoselectivity in olefin polymerization</i> Yi Luo Dalian University of Technology, China	IL 35: <i>Noncovalent interactions in carboranes</i> Vladimir I. Bregadze A.N.Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
12.45-14.15	IL 33: <i>Anion-π CT systems of coordination complexes: molecular recognition, structural deformation and dynamic behavior</i> Robert Podgajny Jagiellonian University, Poland		
LUNCH			
EXCURSION (Tour Sintra, starting at 14.30)			



Thursday, September 5, 2019			
09.00-09.45	Room A Chair: Lee Brammer		
09.45-10.30	PL13: <i>Noncovalent interactions: selectivity and reactivity of transition-metal catalyzed C–H functionalization</i> Djamaladdin G. Musaev Emory University, USA		
10.30-11.00	COFFEE BREAK		
11.00-11.45	Room A Chair: Ibon Alkorta		
11.45-12.15	PL15: <i>The nature of dative or Lewis acid-base interactions between lanthanides and transition-metals</i> Michael B. Hall Texas A&M University, USA		
12.15-12.45	Room A Chair: Ibon Alkorta	Room B Chair: Elangannan Arunan	Room C Chair: Ignacio Vargas-Baca
11.45-12.15	KL14: <i>Dihydrogen bonding as a driving force in hydride chemistry</i> Elena S. Shubina A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia	IL 37: <i>Noncovalent interactions as viewed through the source function descriptor</i> Carlo Gatti Istituto di Scienze e Tecnologie Molecolari ISTM-CNR, Italy	IL 40: <i>Macrocyclic assemblies via Watson-Crick Pairing</i> David Gonzalez-Rodriguez Universidad Autónoma de Madrid, Spain
12.15-12.45	KL15: <i>Covalent and noncovalent polymers: syntheses and applications</i> Kana M. Sureshan School of Chemistry, Indian Institute of Science Education and Research Thiruvananthapuram, India	IL 38: <i>Comprehensive benchmark data sets for testing and development of approximate computational methods</i> Jan Řezáč Academy of Sciences of the Czech Republic, Czech Republic	IL 41: <i>Molecular-targeted photodynamic therapy with bioconjugates</i> João P. C. Tomé Universidade de Lisboa, Lisboa, Portugal
12.15-12.45	KL15: <i>Covalent and noncovalent polymers: syntheses and applications</i> Kana M. Sureshan School of Chemistry, Indian Institute of Science Education and Research Thiruvananthapuram, India	IL 39: <i>Tackling halogen bonds with computational methods: from anion binding affinity to solvation free energies</i> Paulo J. Costa Faculdade de Ciências da Universidade de Lisboa, Portugal	IL 42: <i>Design function in Porous organic cages</i> Ming Liu University of Liverpool, UK



12.45-14.15	LUNCH		
14.15-15.00	Room A <i>Chair: Yasujiro Murata</i>		
15.00-15.45	P16: <i>Nonporous adaptive crystals (NACs) for separation and adsorption</i> Feihe Huang Zhejiang University, China		
15.45-16.15	P17: <i>Extended molecular assemblies – linking molecular moieties by noncovalent contacts</i> Matti Haukka University of Jyväskylä, Finland		
	Room A <i>Chair: Yasujiro Murata</i>	Room B <i>Chair: Kana M. Suresha</i>	Room C <i>Chair: Ekaterina Bartashevich</i>
16.15-16.45	KL16: <i>Neutron scattering: a valuable procedure to study the interaction of water molecules with catalytic intermediates</i> Antonio Romerosa Universidad de Almería, Almería, Spain	IL43: <i>Cinchona-based primary amine catalyzed a proximal fluorination of dienamines: importance of C-H hydrogen bonding for stereoselectivity</i> Satoru Arimitsu University of the Ryukyus, Japan IL44: <i>Role of noncovalent interactions in asymmetric induction: cycloadditions between aldehydes and enolisable anhydrides</i> Cristina Trujillo TBSI - Trinity College Dublin, Ireland IL45: <i>Anion-π catalysis on carbon nanotubes</i> Javier López-Andarias University of Geneva, Switzerland	IL46: <i>Tuning mechanical responses of crystalline coordination polymers via altering the influence of a variety of noncovalent interactions</i> Marijana Đaković University of Zagreb, Croatia IL47: <i>Crystal engineering and supramolecular chemistry as tools to rejuvenate old drugs</i> Vânia André Universidade de Lisboa, Portugal IL48: <i>Influence of halogen vs hydrogen bonding on the properties of inclusion compounds</i> Susan A. Bourne University of Cape Town, South Africa
16.45-17.15	COFFEE BREAK		



	Room A <i>Chair: Dominik Cinčić</i>	Room B <i>Chair: Israel Fernández</i>	Room C <i>Chair: Antonio Caballero</i>
17.15-17.45	<p>KL18: <i>The role of noncovalent interactions in the properties of porous compounds</i> Catharine Esterhuysen Stellenbosch University, South Africa</p>	<p>IL49: <i>Understanding and improving the stability of noncovalently immobilized lanthanide and actinide complexes at interfaces</i> James Blakemore University of Kansas, USA</p> <p>IL50: <i>Synthesis and catalytic applications of iron(II) polyhydride and aminoborane pincer complexes</i> Karl Kirchner Vienna University of Technology, Austria</p> <p>IL51: <i>Macrocyclic copper(I) and silver(I) pyrazolates: principles of supramolecular assemblies with Lewis bases</i> Oleg A. Filippov A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia</p>	<p>IL52: <i>Origin of attraction in aromatic charge-transfer complexes: importance of dispersion interactions</i> Seiji Tsuzuki National Institute of Advanced Industrial Science and Technology, Japan</p> <p>IL53: <i>Stacking of planar organic radicals: strong noncovalent or weak covalent interactions?</i> Krešimir Molčanov Ruđer Bošković Institute, Croatia</p> <p>IL54: <i>Local energy decomposition analysis of noncovalent interactions</i> Giovanni Bistoni Max-Planck-Institut für Kohlenforschung, Germany</p>
17.45-18.15			
18.15-18.30	<p>O12: <i>Halomethane-halide and halomethane-metal halogen bonding in adducts of Pd(II) and Pt(II) dialkylcyanamide complexes with iodoform, bromoform, and tetrabromomethane</i> Daniil M. Ivanov Saint Petersburg State University, Russian Federation</p>	<p>O15: <i>The X40×10 halogen bonding benchmark revisited: surprising importance of (n-1)d subvalence correlation</i> Nitai Sylvetsky Weizmann Institute of Science, Israel</p>	<p>O18: <i>Theoretical study on conducting properties of heteroatom mono-substituted coronenes and their interplanar π-π interactions</i> Francis A. S. Chipem Manipur University, India</p>



18.30-18.45	O13: <i>Functional materials discovery using energy–structure–function maps</i> Marc A. Little University of Liverpool, UK	O16: <i>Multicomponent crystals of nitrofurazone–when more is less</i> Nikoletta B. Báthori Cape Peninsula University of Technology, South Africa	O19: <i>Molecular dynamics simulations of halogen bond-mediated biomolecular recognition events</i> Rafael Nunes Faculdade de Ciências da Universidade de Lisboa, Portugal
18.45-19.00	O14: <i>Crystal engineering of large, supramolecular assemblies of C-methylcalix[4]-resorcinarene</i> Clive L. Oliver University of Cape Town, South Africa	O17: <i>NMR crystallographic investigations of a series of organic cocrystals exhibiting tetrel bonds</i> Scott A. Southern University of Ottawa, Canada	O20: <i>Endoplasmic reticulum-targeting fluorescent probes to image mobile Zn²⁺</i> Le Fang Queen Mary University of London, UK
20.00-23.00	CONFERENCE DINNER		



Friday, September 6, 2019			
09.15-09.45	Room A Chair: G. Narahari Sastry		
	PL18: <i>Unorthodox interactions at work</i> Stefan Matile University of Geneva, Switzerland		
09.45-10.30	PL19: <i>Noncovalent interactions in truncated menaquinone derivatives; effects on reactivity and biological functions</i> Debbie C. Crans Colorado State University, USA		
10.30-11.00	COFFEE BREAK		
11.00-11.30	Room A Chair: Karl Kirchner	Room B Chair: Jan Řezáč	Room C Chair: Roberto Quesada
	KL20: IUPAC Lecture <i>The alkalene bond</i> Elangannan Arunan Indian Institute of Science, India	IL55: <i>Design of novel luminescent complexes based on cyclic hybrid phosphines for chemo- and biosensing via molecular recognition</i> A.A. Karasik A.E. Arbusov Institute of Organic and Physical Chemistry - Subdivision of FIC KazanSC of RAS, Russia	IL58: <i>NCIPLOT4 and NCIweb: towards the quantification of noncovalent interactions in complex systems</i> Francesca Peccati ^{1,2} ¹ Laboratoire de Chimie Théorique, Sorbonne Université/CNRS, France ² Institut des Sciences du Calcul et des Données, Sorbonne Université, France
11.30-12.00	KL21: <i>Self assembled supramolecular polymers in solution by halogen bonding interactions</i> Antonio Caballero Universidad de Murcia, Spain	IL56: <i>Metallophilic interactions for phosphorescent complexes and supramolecular assemblies</i> Wei Lu Southern University of Science and Technology, China	IL59: <i>Platinum, gold, and silver standards of intermolecular interaction energy calculations</i> Konrad Patkowski Auburn University, USA
		IL57: <i>Where to stop by accounting for effects of noncovalent interactions in condensed matter?</i> Ilya G. Shenderovich University of Regensburg, Germany	IL60: <i>σ- and π-hole bonds: emergent noncovalent interactions in liquid-chromatography enantiodiscrimination</i> Paola Peluso Istituto di Chimica Biomolecolare ICB CNR, Italy



12.00-12.30	<p>KL22: <i>Noncovalent interactions involving noble gas hydrides</i> Jan Lundell University of Jyvaskyla, Finland</p>	<p>O22: <i>Noncovalent rhodium-rhodium interactions</i> Jeanet Conradie University of the Free State, South Africa</p> <p>O23: <i>Crystal structure predictions and analysis</i> Sten O. Nilsson Lill Pharmaceutical Sciences R&D, AstraZeneca Gothenburg, Sweden</p>	<p>O25: <i>Noncovalent catalysis as powerful biomimetic approaches in strain-release glycosylations</i> Charles C. J. Loh^{1,2} ¹Max-Planck Institute of Molecular Physiology, Germany ²Technische Universität Dortmund, Germany</p> <p>O26: <i>Noncovalent interactions in bis(dicarbollide) complexes of transition metals and their role in rotamer stabilization</i> Igor B. Sivaev A.N.Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia</p>
12.30-12.45	<p>O21: <i>Noncovalent interactions in compartmental Schiff base heterometallic M-Sn(II/IV) Systems</i> Susanta Hazra Universidade de Lisboa, Portugal</p>	<p>O24: <i>Introducing halogen bonding to platinum luminophores</i> Igor O. Koshevoy University of Eastern Finland, Finland</p>	<p>O27: <i>Conformation analysis and tautomeric forms of supramolecular synthons</i> Ivan Fedyanin A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia</p>
12.45-14.15	LUNCH		
	<p>Room A Chair: Sander J. Wezenberg</p>	<p>Room B Chair: Paulo J. Costa</p>	<p>Room C Chair: Vânia André</p>
14.15-14.45	<p>KL23: <i>Noncovalent interactions in metal complex catalysis</i> Kamran T. Mahmudov^{1,2} ¹Universidade de Lisboa, Portugal ²Baku State University, Azerbaijan</p>	<p>O32: <i>Delocalization in halogen and hydrogen bonded molecules and solids</i> Alberto Otero de la Roza University of Oviedo, Spain</p> <p>O33: <i>Stacking interactions of aromatic ligands in transition metal complexes</i> Dušan P. Malenov University of Belgrade, Serbia</p>	<p>O38: <i>C-S...X-C halogen bond: reality or artefact?</i> Maciej Kubicki Adam Mickiewicz University in Poznan, Poland</p> <p>O39: <i>Noncovalent interactions in the new nonclassical compounds based on boron tetrahedrons</i> Vitaliy V. Koval Southern Federal University, Russia</p>



14.45-15.00	<p>O28: <i>XPS demonstration of noncovalent interactions</i> Ana M. C. Ferraria Universidade de Lisboa, Portugal</p>	<p>O34: <i>New porphyrin "hosts" for ion-dependent binding of organic "guests" of different nature</i> N.Zh. Mamardashvili G.A. Krestov Institute of Solution Chemistry of the Russian Academy of Sciences, Russia</p>	<p>O40: <i>Hierarchy of intermolecular bonding in organometallic co-crystals: search and validation of supramolecular synthons</i> Yury Torubaeu N.S. Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Russia</p>
15.00-15.15	<p>O29: <i>Study on Photoluminescent Properties of Supramolecular Compounds Constructed by Substituted Terpyridine Ligands and Inorganic and Organic Acids</i> Zhen Ma Guangxi University, China</p>	<p>O35: <i>Interaction of Carbon Nanotubes with Nanoparticles, Dyes or DNA Fragments as a Fundamental Factor for the Design of Drugs Carriers. Insights from Molecular Dynamics Studies</i> Tomasz Pańczyk Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy for Sciences, Poland</p>	<p>O41: <i>Supramolecular hydrogen-bonding chains and networks from copper(II) halogenobenzoates with N-methylnicotinamide</i> Jan Moncol Slovak University of Technology, Slovakia</p>
15.15-15.30	<p>O30: <i>Noncovalent interactions in adducts of platinum(II) halide 1,5-cyclooctadiene complexes with I₂, CHI₃, and 1,4-diodotetrafluorobenzene</i> Margarita Bulatova University of Jyväskylä, Finland</p>	<p>O36: <i>Computational study of noncovalent interactions in cyclotetranavanadate complexes</i> María Eugenia Castro Benemérita Universidad Autónoma de Puebla, Mexico</p>	<p>O42: <i>NH...N hydrogen bonds energy and geometry evaluation from ¹H NMR</i> Elena Tupikina St. Petersburg State University, Russia</p>
15.30-16.45	<p>O31: <i>Noncovalent interactions in stoichiometric and catalytic reactions of iridium pincer complexes</i> Elena Osipova A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia</p>	<p>O37: <i>Noncovalent interaction in cyclic heterocomplexes of phosphinic and phosphoric acids studied by 1H NMR spectroscopy</i> Valeriya Mulloyarova St. Petersburg State University, Russia</p>	<p>O43: <i>Polyproline II type helices are stabilized by carbonyl-carbonyl noncovalent Interactions</i> Biswajit Sahariah Shiv Nadar University, India</p>
15.45-16.00	Poster Awards		
16.00-16.15	CLOSING		



Posters

Tuesday, September 3, 2019	
Poster Session (17.15-19.00)	
P1	Synthesis of mono and bimetallic precious metal nanoparticles using noncovalent interactions Agnieszka Jędrych , Michał Wójcik , Agnieszka Krogul-Sobczak University of Warsaw, Poland
P2	Theoretical studies of noncovalent interactions in chemical systems promising for catalysis, materials science, and medicine Alexander S. Novikov Saint Petersburg State University, Russia
P3	Valorisation of waste coffee grounds into activated carbon for support of metal salts Egle Rosson , ¹ Paolo Sgarbossa , ¹ Roberta Bertani , ¹ Ana Dias , ^{2,3} Elisabete C.B. Alegria , ^{2,3} Ana Paula da Costa Ribeiro ³ ¹ Dipartimento Ingegneria Industriale, UNIPD, Italy ² ADEQ-ISEL-Instituto Politécnico de Lisboa, Portugal ³ Universidade de Lisboa, Portugal
P4	Noncovalent interactions involving fluorinated iodobenzenes: halogen bond supported (anion/lp)•••π-hole interactions Anastasiya A. Eliseeva , ¹ Daniil M. Ivanov , ¹ Vadim Yu. Kukushkin ^{1,2} ¹ Saint Petersburg State University, Russia ² Institute of Macromolecular Compounds, Russian Academy of Sciences, Russia
P5	Anion-π catalysis with peptides Anh Tuan Pham , Naomi Sakai , Stefan Matile University of Geneva, Switzerland
P6	Study of catalytic intermediate states in water by X-ray pair distribution function. Antonio Romerosa , Franco Scalambra , Belén López-Sánchez Universidad de Almería, Spain
P7	Transformation of an amide functionalised mononuclear Zn(II) complex to a Cu(II) complex through transmetalation Anup Paul , A.J.L. Pombeiro Universidade de Lisboa, Portugal
P8	Experimental and theoretical investigation of inter/intramolecular interactions in selfassembly of supramolecular isomers controlled by hydrogen and chalcogen bonding capability of component Ghodrat Mahmoudi , ¹ Atash V. Gurbanov ^{2,3} ¹ University of Maragheh, Iran ² Baku State University, Azerbaijan ³ Universidade de Lisboa, Portugal
P9	On the importance of Pb•••X (X = N, S) tetrel bonding interactions of extended lead(II) MOF's Ghodrat Mahmoudi , ¹ Atash V. Gurbanov ^{2,3} ¹ University of Maragheh, Iran ² Baku State University, Azerbaijan ³ Universidade de Lisboa, Portugal
P10	Salts of mefenamic acid with selected amines Avesha Jacobs , Jacky S. Bouanga Boudiombo Cape Peninsula University of Technology, South Africa
P11	Carbonyl-carbonyl noncovalent interactions Biswajit Sahariah , Bani Kanta Sarma Shiv Nadar University, India
P12	Crystal structure and hirshfeld surface of a new copper(II) complex with hydrazone derived of B6 vitamin Claudia C. Gatto , Clarisse A. Paiva , Pedro H. de O. Santiago University of Brasília, Brazil



Posters

P13	Fundamentals of the hydrogen bond enhanced halogen bond Daniel A. Decato , Asia Marie S. Riel , James May , and Orion B. Berryman University of Montana, USA
P14	Triple hydrogen bond-directed assembly of transition metal-containing tectons David A McMorran , Aidan P McKay University of Otago, New Zealand
P15	Revealing the spin state of isolated iron(II) phthalocyanine followed by its tuning via non-covalent interaction Rabindranath Lo , ^{1,2} Debashree Manna , ^{1,2} Dana Nachtigallová , ^{1,2} Radek Zbořil , ¹ Pavel Hobza , ^{1,2} Pavel Jelínek ^{1,3} ¹ Palacký University, Czech Republic ² Institute of Organic Chemistry and Biochemistry (IOCB), Academy of Sciences of the Czech Republic, Czech Republic ³ Institute of Physics of the Czech Academy of Sciences, Czech Republic
P16	Folding of cyclic peptides stabilized by noncovalent interactions Diogo Vila-Viçosa , Rafael Nunes , Paulo J. Costa Faculdade de Ciências da Universidade de Lisboa, Portugal
P17	Copper(II) complexes with bulky N-substituted diethanolamines: high-field electron paramagnetic resonance, magnetic, and catalytic studies Dmytro S. Nesterov , ¹ Oksana V. Nesterova , ¹ Julia Jezierska , ² Andrew Ozarowski , ³ Armando J. L. Pombeiro ¹ ¹ Universidade de Lisboa, Portugal ² University of Wrocław, Poland ³ Florida State University, USA
P18	The effect of cucurbit[7]uril on the cytotoxicity of carboplatin Ekaterina Pashkina , ^{1,2} Alina Aktanova , ² Irina Mirzaeva , ³ Ekaterina Kovalenko , ³ Nadezhda Knauer , ¹ Natalya Pronkina , ¹ Aleksandr Kozlov ^{1,2} ¹ Research Institute of Fundamental and Clinical Immunology, Russia ² Novosibirsk State Medical University, Russia ³ Nikolaev Institute of Inorganic Chemistry, Siberian Branch of the Russian Academy of Sciences, Russia
P19	Hydrogen bonds anticooperativity in (FH)_nCl⁻ clusters Elena Tupikina , ^{1,2} Gleb Denisov , ¹ Peter Tolstoy ² ¹ Faculty of Physics, St. Petersburg State University, Russia ² Institute of Chemistry, St. Petersburg State University, Russia
P20	PDB and the hidden secrets – do we know everything about anion–π interactions in macromolecules? Emilia Kuźniak , ¹ Michał Glanowski , ² Rafał Kurczab , ³ Andrzej J. Bojarski , ³ Robert Podgajny ¹ ¹ Jagiellonian University, Poland ² Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, Poland ³ Institute of Pharmacology, Polish Academy of Sciences, Poland
P21	Dihalobenzene shape sorting by nonporous adaptive crystals of perbromoethylated pillararenes Errui Li , Yujuan Zhou , Run Zhao , Kecheng Jie , Feihe Huang Zhejiang University, China
P22	Novel series of nano-sized mono- and homobi-nuclear metal complexes of sulfathiazoleazodye ligand: Synthesis, characterization, DNA-binding affinity, and anticancer activity Fawaz A. Saad , Abdalla M. Khedr , Hoda El-Ghamry , Mohammed A. Kassem , Nizar El-Guesmi Umm Al-Qura University, Saudi Arabia
P23	Novel Cu(II)-NSAID complexes with isonicotinamide – structure and bioactivity Flóra Jozefiková , ^{1,2} George Psomas , ² Ján Moncol ¹ ¹ Slovak University of Technology in Bratislava, Slovakia ² Aristotle University of Thessaloniki, Greece

Posters

P24	<p>Theoretical study of the interactions of copper complexes with organic ligands as possible photosensitizers Francisco J. Melendez,¹ Lisset Noriega,¹ María Eugenia Castro,² Norma A. Caballero,³ Jose Manuel Perez-Aguilar,¹ Brenda L. Sánchez-Gaytán,² Enrique González-Vergara,² ¹Facultad de Ciencias Químicas, Benemérita Universidad Autónoma de Puebla, Mexico ²Centro de Química, ICUAP, Benemérita Universidad Autónoma de Puebla, Mexico ³Facultad de Ciencias Biológicas, Benemérita Universidad Autónoma de Puebla, Mexico</p>
P25	<p>The Sn(IV)-tetra(4-sulfonatophenyl)porphyrin complexes with fluorescein: synthesis, structure, properties G. Mamardashvili, D. Lazovskiy, O. Dmitrieva, O.I. Koifman G.A. Krestov Institute of Solution Chemistry, Russian Academy of Sciences, Russia</p>
P26	<p>Effect of meso-nitrophenyl substitution on the Co(II)porphyrins β-pyrrole fragments bromination A. Rusanov, N. Chizhova, G. Mamardashvili, N. Mamardashvili G.A. Krestov Institute of Solution Chemistry, Russian Academy of Sciences, Russia</p>
P27	<p>Theoretical mechanistic studies on B(C₆F₅)₃/amine-catalyzed C(sp)-H silylation of terminal alkynes with hydrosilanes Gen Luo,¹ Yi Luo,¹ Yuanhong Ma,² Zhaomin Hou^{1,2} ¹Dalian University of Technology, China ²Organometallic Chemistry Laboratory, RIKEN Cluster for Pioneering Research, Japan</p>
P28	<p>Cyanosilylation of aldehydes catalyzed by Ag(I)- and Cu(II)-arylhydrazone coordination compounds Gonçalo A.O. Tiago,¹ M. Fátima C. Guedes da Silva,¹ Ana P.C. Ribeiro,¹ Luís C. Branco,² Armando J.L. Pombeiro¹ ¹Universidade de Lisboa, Portugal ²Universidade Nova de Lisboa, Portugal</p>
P29	<p>Chiral OligoEG's as Evolved Cation-Binding Catalysts In-Soo Hwang, Choong Eui Song Sungkyunkwan University, Korea</p>
P30	<p>Zinc metal-organic frameworks hybrid materials and their application in catalysis Inês A.S. Matias,¹ Mohamed M.A. Soliman,¹ Joana M.N. Brás,² Maximilian N. Kopylovich,¹ Elisabete C.B.A. Alegria,^{1,2} Ana P.C. Ribeiro,¹ Armando J.L. Pombeiro¹ ¹Universidade de Lisboa, Portugal ²Instituto Politécnico de Lisboa, Portugal</p>
P31	<p>Induced circular dichroism in zinc porphyrin complexes Irina Osadchuk,^{1,2} Riina Aav,¹ Eric Clot² ¹Tallinn University of Technology, Estonia ²University of Montpellier, France</p>
P32	<p>Catalytic activity of carbon supported Cu(I) complexes for the synthesis of 1,2,3-triazoles Ivy L. Librando,¹ Abdallah G. Mahmoud,¹ Sónia A.C. Carabineiro,¹ Carlos F.G.C. Geraldes,² M. Fátima C. Guedes da Silva,¹ Armando J.L. Pombeiro¹ ¹Universidade de Lisboa, Portugal ²Universidade de Coimbra, Portugal</p>
P33	<p>A hydrogen bonding definition based on spatial distribution functions and its extension to quantitative structural analysis of general intermolecular bonds in solutions and other fluids Jan Dočkal, Filip Moučka J. E. Purkinje University, Czech Republic</p>
P34	<p>Cell-penetrating streptavidin: a new tool for cellular uptake Javier López-Andarias, Yangyang Chen, Eline Bartolami, Naomi Sakai, Stefan Matile University of Geneva, Switzerland</p>



Posters

P35	Structures and hydrogen bond networks of molecular clusters Alhadji Malloum,^{1,2} Jean Jules Fifen,² Jeanet Conradie¹ ¹ University of the Free State, South Africa ² The University of Ngaoundere, Cameroon
P36	Anion-π catalysis on functional fullerene oligomers Jiajia Wang, Xiang Zhang, Javier López-Andarias, Xiaoyu Hao, Anh-Tuan Pham, Naomi Sakai, Stefan Matile University of Geneva, Switzerland
P37	Successful combination of copper(II)-triazapentadienate complexes and carbon nanotubes in alcohol oxidation Jiawei Wang,¹ Ana P. Ribeiro,¹ Marta S. Saraiva,^{2,3} Maximilian N. Kopylovich,¹ Luísa M.D.R.S. Martins¹ ¹ Universidade de Lisboa, Portugal ² Centro de Química e Bioquímica, DQB, Faculdade de Ciências, Universidade de Lisboa, Portugal; ³ BioISI -Biosystems & Integrative Sciences Institute, Departamento de Química e Bioquímica, Faculdade de Ciências, Universidade de Lisboa, Portugal
P38	Hydrophobically directed organocatalytic synthesis of chiral GABA Analogues with all-carbon quaternary stereogenic center at β-Position Jin Hyun Park, Jae Hun Sim, Pintu Maity, Young Jun Chang, Choong Eui Song Sungkyunkwan University, Korea
P39	Dye sensitized solar cells based on porphyrins Gabriel F. Gika,^{1,2} Francisco M. Ferraz,^{1,2} Joana M. D. Calmeiro,^{1,3} Leandro M. O. Lourenço,³ Cláudia C. L. Pereira,² João P. C. Tomé¹ ¹ Universidade de Lisboa, Portugal ² Universidade NOVA de Lisboa, Portugal ³ University of Aveiro, Portugal
P40	A GROMOS force field for furanose-based carbohydrates Karina Nester, Karolina Gawęda, Wojciech Płaziński ¹ Polish Academy of Sciences, Poland
P41	Conformation of the furanose ring. THE QM/MM molecular dynamics simulations. Karolina Gawęda, Wojciech Plazinski Polish Academy of Sciences, Poland
P42	Testing of semiempirical quantum mechanical methods on model systems relevant in drug design K. Kříž,^{1,2} J. Řezáč¹ ¹ Academy of Sciences of the Czech Republic, Czech Republic ² Charles University of Prague, Czech Republic
P43	Synthesis of stable, industrially scalable, efficient metathesis Hoveyda-Grubbs catalysts with a S\rightarrowRu coordinate bond in a six-membered ring K. A. Alekseeva, F. I. Zubkov, K. B. Polyanskii, P. V. Raspertov, P. A. Kumandin Peoples' Friendship University of Russia (RUDN University), Russia
P44	Understanding the Molecular Structure of 3-[(5-methyl-1,3,4-thiadiazol-2-yl)sulfanyl]-1,2-benzothiazole 1,1-dioxide. The Importance of S\cdotsN Interaction in a Thiadiazolyl-Saccharinate Derivative L. M. T. Frija,¹ L. I. L. Cabral,^{2,3} E. M. Brás,⁴ M. S. C. Henriques,⁵ C. Marques,³ L. Barreira,^{2,3} J. A. Paixão,⁵ R. Fausto,⁴ and M. L. S. Cristiano^{2,3} ¹ University of Lisbon, Portugal ² Department of Chemistry and Pharmacy, F.C.T., University of Algarve, Portugal ³ Center of Marine Sciences, CCMar, University of Algarve, Portugal ⁴ CQC, Department of Chemistry, University of Coimbra, Portugal ⁵ CFisUC, Department of Physics, University of Coimbra, Portugal
P45	Topological analysis of intermolecular interactions involving chlorine; an experimental charge density study Maciej Kubicki, Agata Owczarzak Adam Mickiewicz University, Poland

Posters

P46	<p>Photochromic benzo[<i>b</i>]phosphole alkynylgold(I) complexes with mechanochromic property to serve as multi-stimuli-responsive materials Nathan Man-Wai Wu, Maggie Ng, Vivian Wing-Wah Yam The University of Hong Kong, China</p>
P47	<p>Intramolecular H bonds (IHB) of acylphloroglucinol derivatives: AIM theory and molecular docking studies María Eugenia Castro,¹ Luis Fernando Paredes,^{1,2} Norma A. Caballero,³ Sergio Luis García,^{2,4} Jose Manuel Perez-Aguilar,² Liliana Mammino,⁵ Francisco J. Melendez,² ¹Centro de Química, ICUAP, Benemérita Universidad Autónoma de Puebla, Mexico ²Facultad de Ciencias Químicas, Benemérita Universidad Autónoma de Puebla, Mexico ³Facultad de Ciencias Biológicas, Benemérita Universidad Autónoma de Puebla, Puebla, Mexico ⁴Universidad Abierta y a Distancia de México, Mexico ⁵University of Venda, South Africa</p>
P48	<p>Synthesis and study of crown-containing bisstyryl dye complexes with various metal cations by using FRET process M.A. Ustimova,¹ O.A. Fedorova,^{1,2} Yu.V. Fedorov ¹ ¹A.N. Nesmeyanov Institute of Organoelement Compounds, RAS, Russia ²D. Mendeleev University of Chemical Technology of Russia, Russia</p>
P49	<p>Engineering mechanical flexibility in crystalline coordination polymers and their two-component systems Mateja PISAČIĆ, Ozana Mišura, Marijana Đaković University of Zagreb, Croatia</p>
P50	<p>Carbon materials as supports for a dioxidovanadium(V) complex: application in catalytic cyclohexane oxidation Marta A. Andrade, Manas Sutradhar, Sónia A.C. Carabineiro, Luísa M.D.R.S. Martins, Armando J.L. Pombeiro Universidade de Lisboa, Portugal</p>
P51	<p>Hydrogen bonds hierarchy in theobromine cocrystals with hydroxybenzoic acids Mateusz Gołdyn, Weronika Nowak, Elżbieta Bartoszak-Adamska Adam Mickiewicz University, Poland</p>
P52	<p>Relationships between halogen bond strength and electron density properties Maxim L. Kuznetsov Universidade de Lisboa, Portugal</p>
P53	<p>Synthesis of copper-organic frameworks for the capture and electrocatalysis of carbon dioxide Mei-Jywan Syu, Yan-Lin Wang National Cheng Kung University, Taiwan</p>
P54	<p>Development of an electrochemical sensor for detection of human serum albumin Mei-Jywan Syu, Hsien-Chen Chiu National Cheng Kung University, Taiwan</p>
P55	<p>Separation of monochlorotoluene isomers by nonporous adaptive crystals of Pillar[5, 6]arenes Mengbin Wang, Jiong Zhou, Errui Li, Yujuan Zhou, Peiren Liu, and Feihe Huang Zhejiang University, China</p>
P56	<p>Synthesis and optical properties of circular diketopyrrolopyrrole Misaki Kamioka, Hiroyuki Furuta, Soji Shimizu Kyushu University, Japan</p>
P57	<p>Production of self-sustaining hydrogel of cellulose nanofiber by using only heat and pressure Mitsumasa Osada, Shin Suenaga Shinshu University, Japan</p>
P58	<p>Spectral and complexation properties of monostyryl-based dye with double-stranded DNA N.E. Shepel,¹ M.A. Ustimova,¹ O.A. Fedorova,^{1,2} P.A. Chernikova³ ¹A.N. Nesmeyanov Institute of Organoelement Compounds of RAS, Russia ²D.I. Mendeleev University of Chemical Technology of Russia, Russia ³Moscow Institute of Physics and Technology, Moscow, Russia</p>



Posters

P59	Nanostructures of cobalt tetraphenylporphine at the air-water interface and in Langmuir-Schaefer films L.A. Maiorova,¹ N.Zh. Mamardashvili,² N.V. Kharitonova,¹ I.A. Shumilova,¹ O.I. Koifman^{1,2} ¹ Ivanovo State University of Chemistry and Technology, Russia ² G.A. Krestov Institute of Solution Chemistry, Russian Academy of Sciences, Russia
P60	Mono- and tetranuclear Cu(II) 2-benzylethanolamine-based complexes: synthesis, supramolecular diversity and catalytic properties Oksana V. Nesterova, Dmytro S. Nesterov, Olena E. Bondarenko, Armando J. L. Pombeiro Universidade de Lisboa, Portugal
P61	Potential C–X...π halogen bonds in halogenated sugar mimetics: a DFT study Ona Šivickytė, Rafael Nunes, Paulo J. Costa Faculdade de Ciências da Universidade de Lisboa, Portugal
P62	Development of new halogenated compounds as transthyretin misfolding inhibitors: role of the halogen bond Paola Peluso,¹ Alessandro Dessì,¹ Roberto Dallochio,¹ Victor Mamane,² Robin Weiss,² Giuseppina Andreotti,³ Mariateresa Allocca,^{3,4} Emmanuel Aubert,⁵ Sergio Cossu⁶ ¹ Istituto di Chimica Biomolecolare ICB CNR, Italy ² Institut de Chimie de Strasbourg, France ³ Istituto di Chimica Biomolecolare ICB CNR, Italy ⁴ Università degli Studi della Campania “Luigi Vanvitelli”, Italy ⁵ Université de Lorraine, France ⁶ DSMN, Università Ca' Foscari di Venezia, Italy
P63	Computational approaches for studying chiral recognition mechanisms in liquid chromatography environment Sergio Cossu,¹ Paola Peluso,² Alessandro Dessì,² Roberto Dallochio,² Carlo Gatti,³ Victor Mamane,⁴ Emmanuel Aubert⁵ ¹ DSMN, Università Ca' Foscari di Venezia, Italy ² Istituto di Chimica Biomolecolare ICB CNR, Italy ³ Istituto di Scienze e Tecnologie Molecolari ISTM-CNR, Italy ⁴ Institut de Chimie de Strasbourg, France ⁵ Université de Lorraine, France
P64	Study of enforced changes in non-canonical DNA forms using molecular dynamics Patrycja Wojton, Tomasz Pańczyk, Paweł Wolski ¹ Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Poland
P65	Architecture of hydrogen bonding network in 1H-Pyrazole-1-carboximidamide salts Piotr Rejnhardt, Marek Daszkiewicz ¹ Institute of Low Temperature and Structure Research, Polish Academy of Sciences, Poland
P66	Formation of premicellar aggregates in the surfactants containing 2-hydroxypropyl fragment in head group Ziyafaddin H. Asadov,¹ Gulnara A. Ahmadova,¹ Ravan A. Rahimov,^{1,2} Seyid-Zeynab F. Hashimzade¹ ¹ Institute of Petrochemical Processes of Azerbaijan National Academy of Sciences, Azerbaijan ² Baku Engineering University, Azerbaijan
P67	Spin crossover in iron(II) porphyrazine induced by non-covalent interactions combined with hybridization of iron(II) porphyrazine and ligand's orbitals : CASPT2 , CCSD(T) and DFT studies Rabindranath Lo,^{1,2} Debashree Manna,^{1,2} Radek Zbořil,^{1,2} Dana Nachtigallová,^{1,2} Pavel Hobza,^{1,2} ¹ Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Czech Republic ² Palacký University, Czech Republic

Posters

P68	<p>Why the proton is decisive to make the nitric oxide available from ruthenium complexes? Renato P. Orenha,¹ Graziele C. G. Silva,¹ Nelson H. Morgon,² Julia Contreras-García,³ Glaucio R. Nagurniak,⁴ Maurício J. Piotrowski,⁴ Giovanni F. Caramori,⁵ Renato L. T. Parreira¹ ¹Universidade de Franca, Brazil ²Universidade Estadual de Campinas, Brazil ³Sorbonne Université, CNRS, France ⁴Federal University of Pelotas, Brazil ⁵Universitário Trindade, Brazil</p>
P69	<p>Synthesis and characterization of glycoporphyrins for proteins bioconjugation Sandra Beirão,^{1,2,3} Rosa Fernandes,^{2,3} João P. C. Tomé¹ ¹Universidade de Lisboa, Portugal ²Coimbra Institute for Clinical and Biomedical Research (iCBR), University of Coimbra, Portugal ³CNC.IBILI Consortium, University of Coimbra, Portugal</p>
P70	<p>Glycosylated phthalocyanines for asymmetric (Photo)catalysis Sara R.G. Fernandes,^{1,2,3} M. Fátima C. Guedes da Silva,¹ Armando J.L. Pombeiro,¹ Bruno Sarmento,^{2,3,4} Elisabete C.B.A. Alegria,^{1,5} João P.C. Tomé¹ ¹Universidade de Lisboa, Portugal ²Universidade do Porto, Portugal ⁴CESPU, Instituto Universitário de Ciências da Saúde, Portugal ⁵Instituto Politécnico de Lisboa, Lisboa, Portugal</p>
P71	<p>NMR crystallographic investigations of a series of organic cocrystals exhibiting tetrel bonds Scott A. Southern, Michael West, Maressa Bradshaw, David L. Bryce University of Ottawa, Canada</p>
P72	<p>Switching selectivity with non-covalent interactions in phospho-Michael reactions: A DFT study Sebastián Gallardo-Fuentes, Sebastián Richter Universidad de Chile, Chile</p>
P73	<p>Directional self-assembly and photoinduced polymerization of diacetylene- containing platinum(II) terpyridine complexes Shishi Fang,¹ Sammual Yu-Lut Leung,¹ Yongguang Li,^{1,2} Vivian Wing-Wah Yam^{1,2} ¹The University of Hong Kong, China ²Sun Yat-Sen University, China</p>
P74	<p>Water-induced chirality amplification Si Joon Park, In-Soo Hwang, Min Jung Jung, So Young Shim, Han Yong Bae, Ji Yoon Jung, Choong Eui Song Sungkyunkwan University, Korea</p>
P75	<p>Gold catalysed solvent-free peroxidative oxidation of 1-phenylethanol under mild conditions Ekaterina Pakrieva^{1,2}, Ana P.C Ribeiro¹, Luísa M.D.R.S. Martins¹, Sónia A.C. Carabineiro¹, Ekaterina Kolobova¹, Nina Bogdanchikova³, Armando J.L. Pombeiro¹, A. Pestryakov² ¹Universidade de Lisboa, Portugal ²National Research Tomsk Polytechnic University, Russia ³Centro de Nanociencias y Nanotecnología, UNAM, México</p>
P76	<p>La-Fe-O/CN composites for removal of high-concentrations of Rhodamine B dye under visible light irradiation Xuelian Xu,^{1,2} Sónia A.C. Carabineiro,³ Junjiang Zhu^{1,2} ¹Shenyang Normal University, China ²Wuhan Textile University, China ³Universidade de Lisboa, Portugal</p>



Posters

P77	<p>Noncovalent interactions in compartmental Schiff base heterometallic M–Sn(II/IV) Systems Susanta Hazra,¹ M. Fátima C. Guedes da Silva,¹ Sasankasekhar Mohanta,² Armando J. L. Pombeiro¹ ¹Universidade de Lisboa, Portugal ²University of Calcutta, India</p>
P78	<p>Co-crystallization of fully-fluorinated copper complex and copper complex with naphthyl group Takumi Kusakawa, Izabela I. Rzeznicka, Akiko Hori Shibaura Institute of Technology, Japan</p>
P79	<p>Noncovalent interactions dictating solubility: interplay of intra and intermolecular hydrogen bonds M. Teresa Duarte, M. Djaló, A. Cunha, S. Quaresma, V. André Universidade de Lisboa, Portugal</p>
P80	<p>The noncovalent interaction in the catalase's mechanism Tofik Nagiev Nagiev Institute of Catalysis and Inorganic Chemistry, Azerbaijan</p>
P81	<p>Bonding intramolecular H...H contacts forced by stereoelectronic interactions Valentina Karnoukhova, Ivan Fedyanin, Konstantin Lyssenko A.N.Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia</p>
P82	<p>Tetra(N-methyl-4-pyridyl)porphyrin sonde report on the surface of AIS/ZnS/GSH quantum dots in water V. Sheinin,¹ O. Kulikova,¹ E. Zenkevich,² O. Selyshchev,³ V. Dzhagan,⁴ O. Stroyuk,⁵ A. Raevskaya,⁵ O. Koifman,¹ D.R.T. Zahn³ ¹G.A. Krestov Institute of Solution Chemistry, Russia ²National Technical University of Belarus, Belarus ³Institute of Physics, University of Technology, Germany ⁴G.V.E. Lashkaryov Institute of Semiconductors Physics, Ukraine ⁵L.V. Pysarzhevsky Institute of Physical Chemistry, Ukraine</p>
P83	<p>Hydrogen bonds with fluorine in ligand-biomolecule systems Wojciech Pietrus,^{1,2} Rafał Kurczab,¹ Rafał Kafel,¹ Andrzej J. Bojarski¹ ¹Polish Academy of Sciences, Poland ²Jagiellonian University, Poland</p>
P84	<p>The Separation of 2-chloroptidine and 3-chloropyridine by nonporous adaptive crystals Pillar[n]arenes Xinru Sheng, Errui Li, Yujuan Zhou, Run Zhao, Weijie Zhu, Feihe Huang Zhejiang University, China</p>
P85	<p>Comparison of carbene tetrel and pnictogen bonds in the complexes CX₂•••SiH₃CN and CX₂•••AsH₃O (X = H, F, Cl, Br, OH, OMe, NH₂, and NMe₂) Xueying Zhang, Hui Lin College of Chemistry and Material Science, Hebei Normal University</p>
P86	<p>Synthesis and Properties of Curved Polycyclic Aromatic Hydrocarbons Bearing Multiple Tribenzotriquinacene Cores Yin-Ying Yvette Cheung, Hak-Fun Chow, Dietmar Kuck² ¹The Chinese University of Hong Kong, Hong Kong ²Bielefeld University, Germany</p>
P87	<p>Molecular compounds comprising 3'-aminofluorene-9-spiro-5'-imidazolidine-2',4'-dithione and aromatic compounds Yorimasa Takazawa, Tatsuo Yamamoto, Tomomi Sakata Josai University, Japan</p>
P88	<p>Recognition and separation of guest molecules by perfluorinated coordination complex Yoshinori Ikumura, Akiko Hori Shibaura Institute of Technology, Japan</p>

Posters

P89	<p>Electrocatalysis of ethanol oxidation on Pt/Au composite electrodes Po-Hsuan Yeh¹, Liang-Huei Chen², Yuh-Lang Lee^{1,3} ¹National Cheng Kung University, Taiwan ²Chia-Nan University of Pharmacy and Science, Taiwan ³National Cheng Kung University, Taiwan</p>
P90	<p>Pillararene-based host–guest complexation at the solid-solution interface for cyclic ether removal from water Yujuan Zhou, Kecheng Jie, and Feihe Huang Zhejiang University, China</p>
P91	<p>Effects of central metal ions and meso-substituents on the antiaromaticity of 5,15-dioxaporphyrin towards creation of 3D aromaticity Yuki Tanaka,¹ Shigeki Mori,² Hiroyuki Furuta,¹ Soji Shimizu¹ ¹Kyushu University, Japan ²Ehime University, Japan</p>
P92	<p>The energy frameworks of supramolecular synthon modules. Yury Torubaev N.S. Kurnakov Institute of General and Inorganic Chemistry of Russian Academy of Sciences, Moscow</p>
P93	<p>Crystal structures and emission properties of twisted π-conjugated compounds Yusuke Habuka,¹ Yuma Yamaguchi,² Takuya Sakagami,² Hiroki Iida,² Yoshiki Ozawa,² Masaaki Abe,² Akiko Hori¹ ¹Shibaura Institute of Technology, Japan ²University of Hyogo, Japan</p>
P94	<p>Subphthalocyanine-stoppered [2]Rotaxanes and peripheral substituent effects on dethreading behavior Yuto Kage,¹ Soji Shimizu,¹ Hiroyuki Furuta,¹ Gabriele Kociok-Köhn,² G. Dan Pantoş² ¹Kyushu University, Japan ²Bath University, Japan</p>
P95	<p>How does a container affect acidity of its content: charge-depletion bonding inside fullerenes Zahra Badri,¹ Adam Jaroš,² Pankaj Lochan Bora,¹ Esmaeil Farajpour Bonab,¹ Radek Marek,¹ Michal Straka,² Cina Foroutan-Nejad¹ ¹Masaryk University, Czech Republic ²Institute of organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic</p>
P96	<p>Study on photoluminescent properties of supramolecular compounds of a N₆O₄ macrocyclic ligand with organic acids Xingyong Xue, Xing Liang, Jiahe Li, Rongping Liu, Yanling Zhou, Zhen Ma Guangxi University, China</p>
P97	<p>Experimental and theoretical study of the interaction mechanism of a drug corrosion inhibitor with a metal Azeddine Addoun,^{1,2} Ouassila Ferroukhi² ¹Faculty of Sciences, University of Algiers 1, Algeria ²Faculty of Chemistry, USTHB, Algiers, Algeria</p>
P98	<p>Surprising parallel aromatic–aromatic interactions at large displacements Dragan Ninković,¹ Jelena Andrić,¹ Snežana Zarić^{2,3} ¹Innovation center of the Faculty of Chemistry, Serbia ²Faculty of Chemistry, University of Belgrade, Serbia ³Texas A&M University at Qatar, Qatar</p>



Posters

P99	Stacking interactions of metal-chelate rings Dušan P. Malenov,¹ Snežana D. Zarić^{1,2} ¹ University of Belgrade, Serbia ² Texas A&M University at Qatar, Qatar
P100	Stacking Interactions of planar hydrogen-bridged rings Jelena P. Blagojević Filipović,¹ Snežana D. Zarić^{2,3} ¹ Innovation Center of the Faculty of Chemistry, Serbia ² Faculty of Chemistry, University of Belgrade, Serbia ³ Texas A&M University at Qatar, Qatar
P101	Structure of water molecule and water hydrogen bonding: joint Cambridge Structural Database and <i>ab-initio</i> calculations study Milan R. Milovanović,¹ Jelena M. Živković,¹ Dragan B. Ninković,¹ Ivana M. Stanković,² Snežana D. Zarić^{3,4} ¹ Innovation center of the Faculty of Chemistry, Serbia ² Institute of Chemistry, Technology and Metallurgy, University of Belgrade, Serbia ³ Faculty of Chemistry, University of Belgrade, Serbia ⁴ Texas A&M University at Qatar, Qatar
P102	Hydride $\cdots\pi$-hole H-bond Maximilián Lamanec, Pavel Hobza Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Czech Republic



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Authors' Index

A

A. CunhaP79
A. PestryakovP75
A. R. van der WerveIL25
A. RaevskayaF2,P82
A. RusanovP26
A. VerhoofstadIL25
A.R. MustafinaIL55
A.S. Ostras'IL20
Abdalla M. KhedrP22
Abdallah G. MahmoudP32
Adam JarošP95
Adolfo BastidaKL21
Agata OwczarzakP45
Agnieszka JędrychP1
Agnieszka Krogul-SobczakP1
Aidan P McKayP14
Akiko HoriO5,P78,P88,P93
Akira HaradaPL9
Alberto Otero de la RozaO32
Aleksandr KozlovP18
Aleksei A. TitovIL51
Alessandro DessìIL60,P62,P63
Alex DomingoPL8
Alexander S. NovikovIL11, P2
Alexey N. BilyachenkoIL18
Alhadji MalloumP35
Alina AktanovaP18
Amaia IturmendiIL23
Amir KartonF3
Ana DiasP3
Ana M. C. FerrariaO28
Ana P.C. RibeiroF1,F6,P3,P28,P30,P37,P75
Anastasiya A. EliseevaP4
Andrea DaolioPL5
Andreas A. DanopoulosPL8
Andrew I. CooperIL42
Andrew OzarowskiP17
Andrew S. WellerPL7
Andrey A. KarasikIL55
Andrzej J. BojarskiP20,P83
Anh Tuan PhamP5,P36
Anirban KarmakarF6,O3
Anna-Bea BornhofIL45
Anthony F. CozzolinoIL29

Anton Vidal-FerranKL19
Antonio CaballeroKL21
Antonio FronteraPL11
Antonio RomerosaKL16, P6
Anup PaulP7
Arijit DasKL11
Armando J.L. Pombeiro.....KL23, F1, F4, F5,
F6,P7,P17,P28,P30,P32,P50,P60,P70,P75,P77
Asia Marie S. RielIL4,P13
Asja A. KroegerF3
Atash V. GurbanovKL23,P8,P9
Ayesha JacobsP10
Azeddine AddounP97

B

Bani Kanta SarmaP11
Barbara VenturaKL2
Belén López-SánchezKL16,P6
Biswajit SahariahO43,P11
Bogdan MusielakIL33
Brenda L. Sánchez-GaytánP24
Bruno G. M. RochaF5
Bruno SarmentoP70

C

C. MarquesP44
Carla F. PereiraIL22
Carlo GattiIL37,IL60,P63
Carlos F.G.C. GeraldèsP32
Carlos Montoro-GarcíaIL40
Catharine EsterhuysenKL18
Cédric JaffredoPL4
César LeroyIL19
Chaoyou QuanIL58
Charles C. J. LohO25
Charles RomainO8
Cheryle N. BeuningPL19
Choong Eui SongP29,P38,P74
Christer AakeröyKL1
Christopher A. HunterKL5
Cina Foroutan-NejadP95
Claire FaveO10
Clarisse A. PaivaP12
Claudia C. GattoP12
Cláudia C. L. PereiraP39
Claudia CaltagironeIL21



Authors' Index

- Clive L. OliverO14
Cristina TrujilloIL44
- D**
- D. LazovskiyP25
D.R.T. ZahnF2,P82
Dana NachtigallovaKL11,P15,P67
Daniel A. DecatoP13
Daniil M. IvanovO12,P4
Dario BragaPL3,KL2
David A McMorranP14
David Gonzalez-RodriguezIL40
David L. BryceIL19,P71
David Serrano-MolinaIL40
Davide LionettiIL49
Dawid PinkowiczIL33
Dean C. CrickPL19
Debashree MannaP15,P67
Debbie C. CransPL19
Deepak ChopraKL8
Delia A. HaynesIL28
Delia BautistaKL21
Dietmar KuckP86
Diogo Vila-ViçosaIL39,P16
Dipak Kumar SahooIL26
Djamaladdin G MusaevPL13
Dmytro S. NesterovP17,P60
Dominik CinčićIL2
Dominique LorcyIL6
Dragan NinkovićPL12,P98,P101
Dušan MalenovPL12,P99
- E**
- E. M. BrásP44
E. ZenkevichF2,P82
E.I. MusinaIL55
Egle RossonP3
Ekaterina BartashevichIL30
Ekaterina KolobovaP75
Ekaterina KovalenkoP18
Ekaterina PakrievaP75
Ekaterina PashkinaP18
Ekaterina S. GulyaevaF7
Elangannan ArunanKL20
Elena OsipovaF7,O31
Elena S. ShubinaKL14,F7
Elena TupikinaO42,P19
Elena V. BoldyrevaIL53
Eline BartolamiP34
Elisa BoaniniKL2
Elisabete C.B.A. AlegriaF1,F4,F6,P3,P30,P70
Elżbieta Bartoszak-AdamskaP51
Emilia KuźniakIL33,P20
Emmanuel AubertIL60,P62,P63
Enric CanadellIL6
Enrique González-VergaraP24
Eric ClotP31
Errui LiP21,P55,P84
Esmaeil Farajpour BonabP95
- F**
- F. I. ZubkovP43
Fabiola ZapataKL21
Fabrizia GrepioniKL2,PL3
Fawaz A. SaadP22
Feihe Huang.....PL16,P21,P55,P84,P90
Filip MoučkaP33
Filipe A. Almeida PazIL22
Flávio FigueiraIL22
Flóra JozefíkováP23
Francesca PeccatiIL58
Francis A. S. ChipemO18
Francisco J. MelendezP24,P47
Francisco M. FerrazP39
Franco ScalambraKL16,P6
Francoise M. Amombo NoaIL48
Fumiya KijimaIL24
Francisco M. FerrazP39
Franco ScalambraKL16,P6
Francoise M. Amombo NoaIL48
Fumiya KijimaIL24



Authors' Index

G

G. Dan Pantos	P94
G. Narahari Sastry	PL14
G. Narahari Sastry	PL14
Gabriel F. Gika	P39
Gabriele Kociok-Köhn	P94
Galina Mamardashvili	P25,P26
Gen Luo	IL32,P27
George Psomas	P23
Ghodrat Mahmoudi	P8, P9
Giacomo Picci	IL21
Giancarlo Terraneo	PL5
Giovanni Bistoni	IL54
Giovanni F. Caramori	P68
Giuseppe Resnati	PL5
Giuseppina Andreotti	P62
Glaucio R. Nagurniak	P68
Gleb S. Denisov	IL57,P19
Gonçalo A.O. Tiago	P28
Graziele C. G. Silva	P68
Gulnara A. Ahmadova	P66

H

H. Overeem	IL25
Hak-Fun Chow	P86
Han Yong Bae	P74
Hans-Joerg Schneider	PL2
Himansu S. Biswal	IL26
Hiroki Iida	P93
Hiromitsu Maeda	IL36
Hiroyuki Furuta	IL24,P56,P91,P94
Hoda El-Ghamry	P22
Hsien-Chen Chiu	P54
Hui Lin	P85
Huu-Tri Huynh	IL4

I

I.A. Shumilova	P59
I.D. Strel'nik	IL55
I.S. Giba	IL20
Ibon Alkorta	KL10

Ignacio Vargas-Baca	IL 5
Igor B. Sivaev	O26
Igor O. Koshevoy	O24
Ilya G. Shenderovich	IL57
Inês A.S. Matias	P30
In-Soo Hwang	P29,P74
Irina Mirzaeva	P18
Irina Osadchuk	P31
Isabel Rozas	IL44
Israel Fernández	IL14
Ivan Fedyanin	O27,P81
Ivana M. Stanković	P101
Ivy L. Librando	P32
Izabela I. Rzeznicka	P78

J

J. A. Paixão	P44
J. I. van der Vlugt	IL25
J. Roeleveld	IL25
J. Sondervan	IL25
Jacky S. Bouanga Boudiombo	P10
Jae Hun Sim	P38
James Blakemore	IL49
James Hooper	IL33
James May	P13
Jan Dočkal	P33
Jan Lundell	KL22
Jan Moncol	O41,P23
Jan Řezáč	IL38,P42
Jan-Michael Mewes	O11
Javier López-Andarias	IL45,P34,P36
Jean Jules Fifen	P35
Jeanet Conradie	O22,P35
Jean-François Carpentier	PL4
Jean-Pierre Djukic	KL6
Jędrzej Kobylarczyk	IL33
Jelena Andrić	P98
Jelena Blagojević Filipović	PL12,P100
Jelena M. Živković	PL12,P101



Authors' Index

Jesús J. Pérez-Torrente	IL23	Krešimir Molčanov	IL53
Ji Yoon Jung	P74	Kristian Kříž	P42
Jiabin Gao	KL9	Kseniia A. Alekseeva	P43
Jiahe Li	P96	L	
Jiajia Wang	P36	L. Barreira	P44
Jiawei Wang	P37	L.A. Maiorova	P59
Jin Hyun Park	P38	Laura Rubio-Pérez	IL23,IL45
Jinchun Qiu	IL29	Le Fang	O20
Jiong Zhou	P55	Leandro M. O. Lourenço	P39
Joana M. D. Calmeiro	IL41,P39	Lee Brammer	KL5
Joana M.N. Brás	P30	Leonardo Bernasconi	KL16
João P. C. Tomé	IL22,IL41,P39,P69,P70	Leyong Wang	KL17
Jordan T. Koehn	PL19	Liang-Huei Chen	P89
Jorge Echeverría	IL27	Lidia González	KL21
Jose Manuel Perez-Aguilar	P24,P47	Lília I. L. Cabral	F5,P44
Juhi Dutta	IL26	Liliana Mammìno	P47
Julen Munárriz	IL23	Linjiang Chen	IL42
Julia Contreras-García	IL58,P68	Lisset Noriega	P24
Julia Jezierska	P17	Lucia Casali	PL3
Julie Hopkins	IL49	Lucia Maini	PL3
Junjiang Zhu	P76	Luigi R. Nassimbeni	IL48
K		Luis A. Oro	IL23
K. B. Polyanskii	P43	Luís C. Branco	P28
Kamran T. Mahmudov	KL23	Luis Fernando Paredes	P47
Kana M. Sureshan	KL15	Luis M. T. Frija	F5,P44
Karina Nester	P40	Luísa M.D.R.S. Martins	F4,P37,P50,P75
Karl Kirchner	IL50	M	
Karolina Gawęda	P40,P41	M. Djaló	P79
Katie Johnson	IL49	M. Fátima C. Guedes da Silva	KL23,F4 F6,P28,P32,P70,P77
Katsuya Yamakawa	KL13	M. Lurdes S. Cristiano	F5,P44
Kazuaki Ishihara	KL13	M. S. C. Henriques	P44
Kazuki Nishimura	KL13	M. T. Doppert	IL25
Keaton Prather	IL49	M. Teresa Duarte	P79
Kecheng Jie	P21,P90	M.A. Kostin	IL20
Kevin E. Riley	IL10	Maciej Kubicki	O38,P45
Kohtaro Osakada	IL34	Maggie Ng	P46
Konrad Patkowski	IL59	Manas Sutradhar	O1,F4,P50
Konstantin Lyssenko	P81	Manuel Iglesias	IL23
Konstantinos D. Vogiatzis	IL12	Marc A. Little	IL42,O13
Koya Uchihara	IL24		



Authors' Index

Marc Fourmigué	IL4	Mohamed M.A. Soliman	F6,P30
Marek Daszkiewicz	P65	Mohammed A. Kassem	P22
Maressa Bradshaw	P71	Mohan M. Bhadbhade	KL9
Margarita Bulatova	O30	Monika Srebro-Hooper	IL33
María Ángeles Herranz	IL45	N	
María Eugenia Castro	O36,P24,P47	N. Chizhova	P26
Maria J. Mayoral	IL40	N.V. Kharitonova	P59
Mariateresa Allocca	P62	Nadezhda Knauer	P18
Mariia A. Ustimova	P48,P58	Naomi Sakai	IL45,P5,P34,P36
Marijana Đaković	IL46, P49	Natalia V. Belkova	KL14,F7
Marta A. Andrade	P50	Natalya Pronkina	P18
Marta E. G. Mosquera	IL1	Nathalie Bellec	IL6
Marta S. Saraiva	F6,P37	Nathan Man-Wai Wu	P46
Martin Breugst	IL13	Nazario Martín	IL45
Masaaki Abe	P93	Nelson H. Morgon	P68
Masaya Sawamura	IL31	Nerea Bilbao	IL40
Mateja PISAČIĆ	P49	Nicole Holzmann	KL16
Mateusz Gołdyn	P51	Nikita Bogdanov	IL53
Matti Haukka	PL17	Nikolai E. Shepel	P58
Maurício J. Piotrowski	P68	Nikoletta B. Báthori	O16
Maxim L. Kuznetsov	F5,P52	Nina Bogdanchikova	P75
Maximilián Lamanec	P102	Nitai Sylvetsky	O15
Maximilian N. Kopylovich	F1,P30,P37	Nizar El-Guesmi	P22
Mei-Jywan Syu	P53, P54	Norma A. Caballero	P24,P47
Mengbin Wang	P55	Nugzar Zh. Mamardashvili	O34,P26,P59
Mengyu Liu	IL3	O	
Michael B. Hall	PL15	O. Dmitrieva	P25
Michael West	P71	O. Selyshchev	F2,P82
Michał Glanowski	P20	O. Stroyuk	F2,P82
Michał Straka	P95	O.A. Fedorova	P48,P58
Michał Wójcik	P1	O.I. Koifman	F2,P25,P59,P82
Miguel Martin-Arroyo	IL40	Oksana V. Nesterova	P17,P60
Miguel Palenzuela	IL1	Oleg A. Filippov	IL51,F7
Mikiko Vázquez-Nakagawa	IL45	Oleksii Shemchuk	PL3
Milan R. Milovanović	P101	Olena E. Bondarenko	P60
Min Jung Jung	P74	Olga Kulikova	F2,P82
Ming Liu	IL42	Olivier Jeannin	IL4
Mirosław Jabłoński	O7	Ona Šivickytė	P61
Misaki Kamioka	P56	Orion B. Berryman	P13
Mitsumasa Osada	P57	Ouassila Ferroukhi	P97



Authors' Index

Ozana Mišura	P49	Robin N. Perutz	KL5
P		Robin Weiss	IL60,P62
P. A. Kumandin	P43	Roger Bishop	KL9
P. V. Raspertov	P43	Romain Ligny	PL4
P.A. Chernikova	P58	Rongping Liu	P96
Pankaj Lochan Bora	P95	Rosa Fernandes	P69
Paola Peluso	IL37,IL60,P62,P63	Rubén Laplaza	IL58
Paolo Sgarbossa	P3	Run Zhao	P21,P84
Pascale Auban-Senzier	IL6	Ryan Johansson	IL19
Patrick M. J. Szell	IL19	S	
Patrick M. J. Szell	IL19	S. Lekanne Deprez	IL25
Patrycja Wojton	P64	S. Quaresma	P79
Paulo J. Costa	IL39,P16,P61	S.A. Pylaeva	IL20
Pavel Hobza	PL1,P15,P67,P102	Sammual Yu-Lut Leung	P73
Pavel Jelínek	P15	Sander J. Wezenberg	IL7
Paweł Wolski	P64	Sandra Beirão	IL41,P69
Pedro H. de O. Santiago	P12	Sara R. G. Fernandes	IL41,P70
Pedro Molina	KL21	Sasankasekhar Mohanta	P77
Peiren Liu	P55	Satoru Arimitsu	IL43
Peter M. Tolstoy	IL20,P19	Scott A. Southern	IL19,O17,P71
Pierre Braunstein	PL8	Scott Zablony	IL19
Pilar Gómez-Sal	IL1	Sebastián Gallardo-Fuentes	P72
Pintu Maity	P38	Sebastián Richter	P72
Piotr Rejnhardt	P65	Seiji Tsuzuki	IL52
Po-Hsuan Yeh	P89	Sergio Cossu	IL60,P62,P63
Q		Sergio Luis García	P47
Qing-Zheng Yang	IL17	Sergiy Rosokha	O2
R		Seyid-Zeynab F. Hashimzade	P66
R. Fausto	P44	Shigeki Mori	IL24,P91
R.E. Asfin	IL20	Shin Suenaga	P57
Rabindranath Lo	P15,P67	Shinji Yamada	PL10
Radek Marek	P95	Shishi Fang	P73
Radek Zbořil	P15,P67	Shiva Moaven	IL29
Rafael Nunes	IL39,O19,P16,P61	Shuaifei Guo	IL3
Rafał Kafel	P83	Si Joon Park	P74
Rafał Kurczab	P20,P83	Silvia Dortéz	IL1
Ravan A. Rahimov	P66	Silvia Imberti	KL16
Renato L. T. Parreira	P68	Simone d'Agostino	KL2
Renato P. Orenha	P68	Sławomir J. Grabowski	KL7
Riccardo Montis	IL21	Snežana D. Zarić	PL12,P98,P99,P100,P101
Riina Aav	P31	So Young Shim	P74
Robert Podgajny	IL33,P20	Soji Shimizu	IL24,P56,P91,P94
Roberta Bertani	P3	Sónia A.C. Carabineiro	P32,P50,P75,P76
Roberto A. Boto	IL58	Sonia Romero-Pérez	IL40
Roberto Dallochio	IL60,P62,P63	Sophie Guillaume	PL4
Roberto Quesada	IL9,IL21	Stefan Matile	PL18,IL45,P5,P34,P36



Authors' Index

Sten O. Nilsson LillO23
Stephen J. ConnonIL44
Susan A. BourneIL48
Susanta HazraO21, P77
Susumu KitagawaPL6
Svetlana MukhitdinovaIL30
Sylvie FerlayIL33

T

T. M. MenistIL25
Takumi KusakawaP78
Takuya SakagamiP93
Tannistha Roy BarmanF4
Tatsuo YamamotoP87
Tatsuya NabeshimaIL8
Tiddo J. MooibroekIL25
Tofik NagievP80
Tomasz PańczykO35,P64
Tomomi SakataP87
Tõnis KangerIL15

U

Uwe PischelIL16

V

V. DzhaganF2,P82
Vadim Yu. KukushkinP4
Valentina KarnoukhovaP81
Valentina MilašinovićIL53
Valeriya MulloyarovaIL20,O37
Vânia AndréIL47,P79
Victor MamaneIL60,P62,P63
Victor PoloIL23
Vijith KumarIL19,O9
Vincent RobertPL8
Vitaliy V. KovalO39
Vivian Wing-Wah YamP46,P73
Vladimir I. BregadzeIL35
Vladimir SheininF2,P82
Vladimir StilinovićO4
Vladimir TsirelsonIL30

W

Wei Jun JinKL4
Wei LuIL56
Weijie ZhuP84
Werner M. NauKL3
Weronika NowakP51
Wojciech PietruśP83
Wojciech PłazińskiP40,P41

X

Xiang ZhangP36
Xiaoyu HaoP36
Xin YangPL15
Xing LiangP96
Xingyong XueP96
Xinru ShengP84
Xuelian XuP76
Xueying ZhangIL3,P85

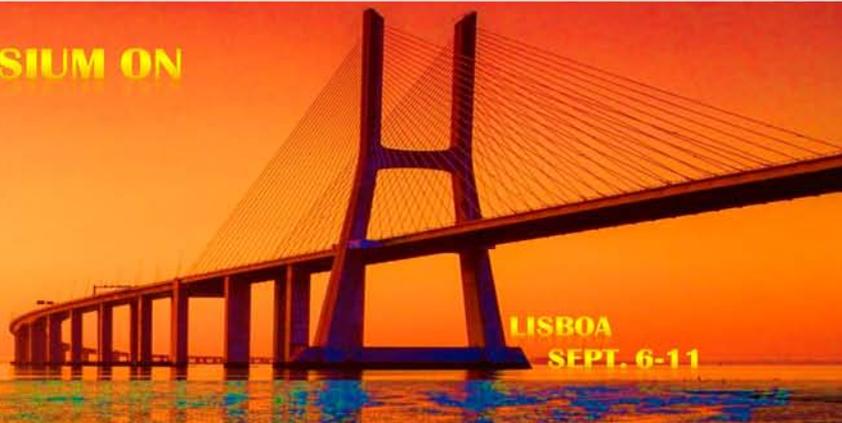
Y

Y. R. van DijkIL25
Yanan ZhaoIL32
Yangyang ChenP34
Yanli ZengIL3
Yan-Lin WangP53
Yanling ZhouP96
Yann Le GalIL6
Yasujiro MurataKL12
Yemei WangIL24
Yi LuoIL32,P27
Yijue XuIL19
Yin-Ying Yvette CheungP86
Yongguang LiP73
Yoong-Kee ChoeO6
Yorimasa TakazawaP87
Yoshiki OzawaP93
Yoshinori IkumuraP88
Young Jun ChangP38
Yu.V. FedorovP48
Yuanhong MaP27
Yuh-Lang LeeP89
Yujuan ZhouP21,P55,P84,P90
Yuki TanakaP91
Yuma YamaguchiP93
Yuriy MatveychukIL30
Yury TorubaevO40, P92
Yusuke HabukaP93
Yuto KageP94

Z

Zahra BadriP95
Zhaomin HouIL32,P27
Zhen MaO29, P96
Ziyafaddin H. AsadovP66

XXII INTERNATIONAL SYMPOSIUM ON HOMOGENEOUS CATALYSIS



XXII International Symposium on Homogeneous Catalysis (XXII ISHC)

6-11 September 2020, Lisbon

Topics

Metal complex catalysis
Organocatalysis
Biocatalysis and bioinspired catalysis
Electrocatalysis
Photocatalysis
Cooperative and tandem catalysis
Heterogenized homogeneous catalysis
Multiphasic homogeneous catalysis
Asymmetric catalysis
Nanocatalysis
Applied catalysis
Catalysis in non conventional media
Noncovalent interactions in catalysis
Mechanistic investigations
Computational approaches
Emerging directions
Others

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Jessica Klinkenberg, <i>USA</i>	

Important Dates

Early Bird Registration: October 1, 2019 – April 30, 2020

Normal Registration: May 1 - July 20, 2020

Late Registration: from July 21, 2020

Abstract Submission: October 1, 2019 - May 10, 2020



Chairperson - Armando J. L. Pombeiro
Instituto Superior Técnico
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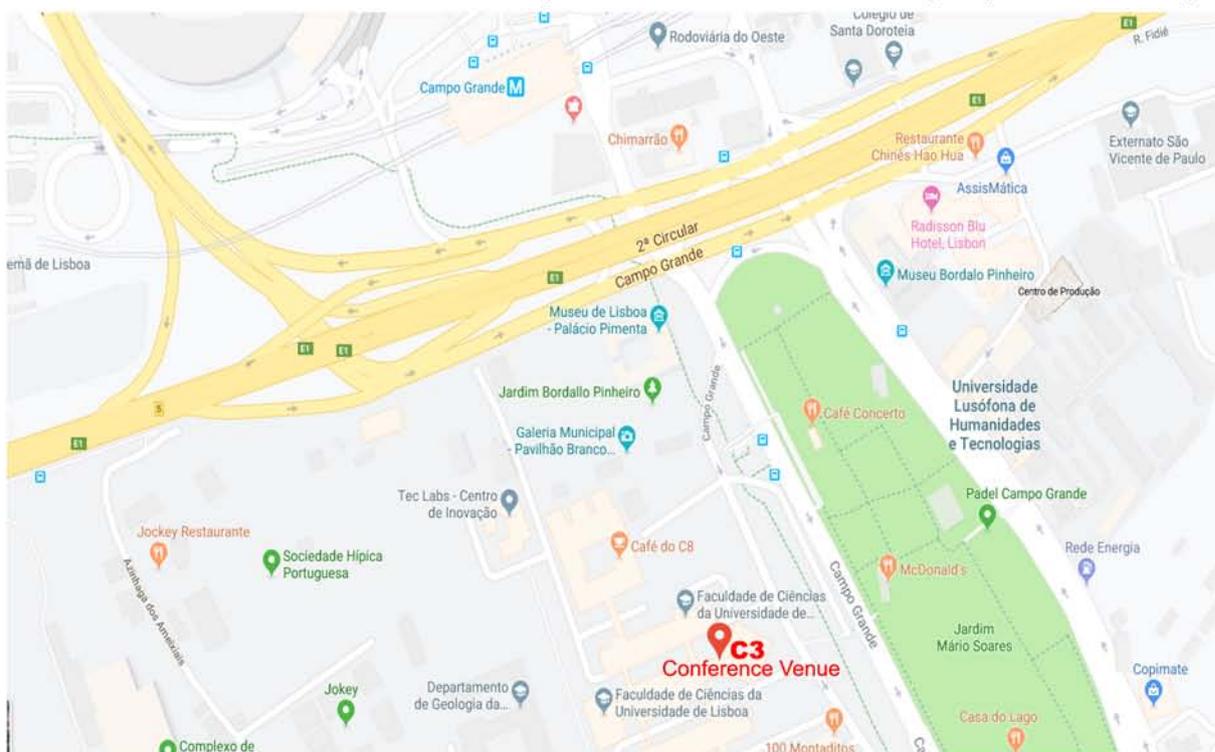
Venue : Faculdade de Ciências da Universidade de Lisboa, Campo Grande 016, 1749-016 Lisboa, Portugal

<http://xxii-ishc.events.chemistry.pt/>

Conference Venue

Venue address:

Faculdade de Ciências da Universidade de Lisboa, Campo Grande 016, 1749-016 Lisboa, Portugal. <https://ciencias.ulisboa.pt/en>



Campus Map



C3 Registration & Conference Hall
C6 Welcome Reception

Program at a Glance

Monday - September 2		Tuesday - September 3		Wednesday (Fri-day) - September 4		Thursday - September 5								
Registration		P5 - Resnati (IUPAC Lecture)		P10 - Yamada (Tutorial Lecture)		P13 - Museev								
Opening ceremony		P6 - Kitagawa		P11 - Frontera (Tutorial Lecture)		P14 - Narahari Sastry								
P1 - Hobza		Coffee break		Coffee break		Coffee break								
P2 - Schneider		P7 - Weller		P12 - Zarić (Tutorial Lecture)		P15 - Hall								
K1 - Akeröy	IL1 - Mosquera	IL19 - Bryce	IL22 - Paz	IL31 - Sawamura	IL34 - Osakada	IL37 - Gatti	IL40 - González-Rodríguez							
K2 - Grepioni	IL2 - Cincić	IL20 - Tolstoy	IL23 - Iglesias	IL32 - Luo	IL35 - Bregadze	IL38 - Režić	IL41 - Tomé							
	IL3 - Zeng	IL21 - Caltagirone	IL24 - Shimizu	IL33 - Podgajnyj	IL36 - Maeda	IL39 - Costa	IL42 - Liu							
LUNCH		LUNCH		LUNCH		LUNCH								
P3 - Braga		P8 - Braunstein & Robert		EXCURSION (Tour Sintra, starting at 14.30)		P16 - Huang								
P4 - Carpentier		P9 - Harada		<table border="1"> <tr><td>F1 - Alegria</td></tr> <tr><td>F2 - Kulikova</td></tr> <tr><td>F3 - Kroeger</td></tr> <tr><td>F4 - Roy Barman</td></tr> <tr><td>F5 - Rocha</td></tr> <tr><td>F6 - Sollman</td></tr> <tr><td>F7 - Gulvaeva</td></tr> </table>		F1 - Alegria	F2 - Kulikova	F3 - Kroeger	F4 - Roy Barman	F5 - Rocha	F6 - Sollman	F7 - Gulvaeva	P17 - Haukka	
F1 - Alegria														
F2 - Kulikova														
F3 - Kroeger														
F4 - Roy Barman														
F5 - Rocha														
F6 - Sollman														
F7 - Gulvaeva														
K3 - Nau	IL7 - Werenberg	IL25 - Moobroek	IL28 - Haynes	K16 - Romero	IL43 - Arimitsu	IL46 - Đaković								
K4 - Jin	IL8 - Nabeshima	IL26 - Biswal	IL29 - Cozzolino	K17 - Wang	IL44 - Trujillo	IL47 - André								
	IL9 - Quesada	IL27 - Echeverría	IL30 - Bartashevich		IL45 - López-Andarias	IL48 - Bourme								
Coffee break		O10 - Fave	F1 + F2 + F3	Coffee break										
K5 - Brammer	IL13 - Breugst	O11 - Mewes	F4 + F5 + F6 + F7	K18 - Esterhuysen	IL49 - Blakemore	IL52 - Tsuzuki								
K6 - Djukić	IL14 - Fernández	POSTER SESSION (Posters will remain hanged at the proper place during whole conference)		K19 - Vidal-Ferran	IL50 - Kirchner	IL53 - Moľčanov								
O1 - Sutradhar	IL15 - Kanger			O12 - Nanov	IL51 - Filipov	IL54 - Bistoni								
O2 - Rosokha	O4 - Stilianovic			O13 - Little	O15 - Svetsky	O18 - Chigem								
O3 - Karmakar	O5 - Hort			O14 - Oliver	O16 - Bálhori	O19 - Nunes								
	O6 - Choe				O17 - Southern	O20 - Fang								
WELCOME RECEPTION (19:00-21:00)		SPEAKERS DINNER (20:00-23:00)		CONFERENCE DINNER (20:00-23:00)										

Friday - September 6	
08:00-09:00	12:45 - 14:15
09:00 - 09:15	14:15 - 14:30
09:15 - 09:30	14:30 - 14:45
09:30 - 09:45	14:45 - 15:00
09:45 - 10:00	15:00 - 15:15
10:00 - 10:15	15:15 - 15:30
10:15 - 10:30	15:30 - 15:45
10:30 - 10:45	15:45 - 16:00
10:45 - 11:00	16:00 - 16:15
11:00 - 11:15	
11:15 - 11:30	
11:30 - 11:45	
11:45 - 12:00	
12:00 - 12:15	
12:15 - 12:30	
12:30 - 12:45	

LUNCH	
O32 - Otero de la Rosa	O38 - Kubicki
O33 - Malenov	O39 - Koval
O34 - Mamaradshvili	O40 - Torubayev
O35 - Pańczyk	O41 - Moncol
O36 - Bulatova	O42 - Tupikina
O37 - Orsjova	O43 - Shariyah

Poster Awards CLOSING	
IL58 - Peccati	
IL59 - Patkowski	
IL60 - Peluso	
O25 - Loh	
O26 - Skarev	
O27 - Fedyanin	

Poster Prizes	
Chemical Science	
Dalton Transactions	
RSC Advances	
Inorganics	
Pharmaceuticals	



Metro Map

