



**JCC
2015**

Tunisian Chemical Society

First Tunisian Chemical Society Conference on Coordination Chemistry

Program of the JCC 2015

Friday 8 May 2015		
14.00	<i>Welcoming participants, distribution of documents and check in</i>	
15.00	Plenary Lecture 1 <u>Pr. Hubert SCHMIDBAUR</u> <i>Technische Universität München, Germany</i> The Silent Role of Metallophilic Bonding in the Chemistry of Gold, Silver and Mercury	<i>Chairperson:</i> Mr Med Taieb Ben Dhia
Oral Communications - First Session - Chairperson : Mrs Ikram Chéhid		
	<i>Com.</i>	<i>communicating</i>
15.45	OC-01	<u>Susan Oruma Uchchukwu</u> , E. Chinyere Nkpozi, P. Oziri Ukoha <i>University of Nigeria - Nsukka, Enugu State, Nigeria</i> Extractive determination of Zn(II) and Cd(II) in industrial samples using 1, 5- dimethyl-2-phenyl-4[(E)-2,3,4- trihydroxyphenyl]diazanyl-1,2-dihydroxyl-3H-pyrazol-3-one, (H ₃ L)
16.00	OC-02	<u>Ines Chniti</u> , M.A.K Sanhoury, D. Merlet, I. Chehidi <i>FST - Tunis</i> Synthesis, characterization and structural study of new O-F-alkyl thiocarbamate mercury(II) complexes
16.15	OC-03	<u>Sana Dridi</u> , Ali Mechria, Moncef Msaddek <i>FSM - Monastir</i> Novel cationic dinuclear methallyl palladium complexes containing N,N'-DONOR bridging ligands: Synthesis, characterization and crystal structure
16.30	OC-04	<u>Marwa Belkhiria</u> , A. Mechria, M. Msaddek <i>FSM - Monastir</i> Synthesis, characterization and crystal structure of new tetrachlorocobaltates(ii) of protonated beta-diimines
16.45	Coffee break + Poster Session 1 (P 1 - P 55) Alphabetical Order	
17.30	Plenary Lecture 2 <u>Pr. Jean-François NIERENGARTEN</u> <i>Ecole Européenne de Chimie, Polymères et Matériaux, Strasbourg, France</i> Macrocyclic Ligands for the Preparation of Luminescent Copper(I) Complexes	<i>Chairperson:</i> Mr Adel Megrache
Oral Communications - Second Session - Chairperson : Mrs Taicir Ben Ayed		
	<i>Com.</i>	<i>communicating</i>
18.15	OC-05	<u>Zayed Baccari</u> , T. Barhoumi-Slimi, M.A.K. Sanhoury, M.T. Ben Dhia <i>FST - Tunis</i> Synthesis, characterization and coordination chemistry of new fluorinated α-aminophosphonates
18.30	OC-06	<u>Sarra Darghouthi</u> , S. Boughdiri, B. Tangour <i>University of Tunis El Manar - Tunis</i> Stabilizing of the transitory species (TiO ₂) ₂ by encapsulation into carbon nanotubes
18.45	OC-07	<u>Asanda Vincent Busa</u> , E. Nordlander, M. Onani <i>University of the Western Cape - Bellville, South Africa</i> Towards discovery of new organometallic complexes: Synthesis, characterization and biological activity
19.00	Welcome	
19.30	Dinner	

Being on time is the main factor for conference's success

Saturday 9 May 2015 (morning)

08.30	Opening Ceremony	
09.00	Plenary Lecture 3 <u>Pr. J Derek WOOLLINS</u> <i>University of St Andrews, St Andrews, United Kingdom</i> Coordination Chemistry with Group 16 Ligands	<i>Chairperson:</i> Mr Med Abderrahmane Sanhoury
Oral Communications - Third Session - Chairperson : Mr Farhat Rezgui		
	<i>Com.</i>	<i>communicating</i>
09.45	OC-08	<u>Leila Bahri</u> , T. Barhoumi-Slimi, M.A.K. Sanhoury, M.T. Ben Dhia <i>FST - Tunis</i> New allylic phosphate tin(IV) complexes : Synthesis and multinuclear (¹ H, ¹⁹ F, ³¹ P and ¹¹⁹ Sn) NMR Characterization
10.00	OC-09	<u>Olfa Naouali</u> , N. Hamdi, L. Baklouti <i>FSB - Bizerte</i> Cation binding properties of some coumarin derivatives
10.15	OC-10	<u>Hamida Maouati</u> , M.A.K. Sanhoury, D. Merlet, I. Chehidi <i>FST - Tunis</i> Synthesis and characterization of bis(thiocarbamatophosphoramides)
10.30	Coffee break	
11.00	Plenary Lecture 4 <u>Pr. Dominique LUNEAU</u> <i>University of Claude Bernard, Lyon 1, France</i> Coordination Chemistry at the Quest of the Molecule-Based Magnets	<i>Chairpersons:</i> Mrs Rym Abidi & Mr Med Rachid Khaddar
11.40	Invited Lecture 1 <u>Dr. Med Abderrahmane SANHOURY</u> <i>University of Tunis El Manar, Faculty of Sciences of Tunis, Tunis, Tunisia</i> Development of Phosphoramidates as New Ligands for Drug Design	
Oral Communications - Fourth Session - Chairperson : Mr Faouzi Sediri		
	<i>Com.</i>	<i>communicating</i>
12.15	OC-11	<u>Fatma Hmida</u> , B. Ayed, A. Haddad <i>FSM - Monastir</i> Synthesis, structure and characterization of an inorganic-organic hybrid Dawson polyoxotungstate (C ₆ H ₈ NO) ₆ [P ₂ W ₁₈ O ₆₂].6H ₂ O
12.30	OC-12	<u>Firas Aboumessaad</u> , Y. Arfaoui, M.L. Efrit, E. Srasra, N. Besbes <i>CNRSM - Borj Cédria</i> Preparation and application of alumina, silica and acid activated clay: Synthesis and theoretical studies of 2-methyl-1,3-dioxolane
12.45	OC-13	<u>Olfa Ouled Ltaief</u> , S. Siffert, S. Fourmentin, M. Benzina <i>ENIS - Sfax</i> Performances of exchanged zeolite for the degradation of methyl orange dye via photo-Fenton process
13.00	Lunch	

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Saturday 9 May 2015 (afternoon)

14.30	<p>Plenary Lecture 5 <u>Pr. Klaus R KOCH</u> <i>Stellenbosch University, Stellenbosch, South Africa</i> What's in the ¹⁹⁵Pt and ¹⁰³Rh NMR Chemical Shift of deceptively 'simple' complexes of such precious metals?</p>	<p align="center"><i>Chairpersons:</i> Mr Habib Batis & Mr Béchir Chaouachi</p>
15.10	<p>Invited Lecture 2 <u>Dr. Nouredine RAOUAFI</u> <i>University of Tunis El Manar, Faculty of Sciences of Tunis, Tunis, Tunisia</i> New Platforms Based on Ferrocene-Functionalized Gold Nanoparticles for Assessing Host-Guest Recognition in Biosensing Devices</p>	
<p>Oral Communications - Fifth Session - Chairperson: Mr Lotfi Efrit</p>		
	<i>Com.</i>	<i>communicating</i>
15.45	OC-14	<p><u>Radhia Msaadi</u>, A. Ghorsalli, S. Mahouche-Chergui, S. Nowak, H. Salmi, B. Carbonnier, S. Ammar, M.M. Chehimi <i>FSG - Gabès</i> Post-synthesis surface-modified montmorillonite as adsorbent for heavy metal ion contaminant Pb (II)</p>
16.00	OC-15	<p><u>Oumeyma Ben Ahmed</u>, M.T. Ben Dhia, T. Barhoumi-Slimi <i>FST - Tunis</i> Synthesis and characterization of cinnamaldehyde schiff base derivatives</p>
16.15	OC-16	<p><u>Rania Omrani</u>, M.A.K. Sanhoury, T. Ben Dhia, M. L. Efrit, A. Ben Akacha <i>FST - Tunis</i> Synthesis and characterization of tin tetrachloride complexes with phosphonothioamidates</p>
16.30	<p>Coffee break + Poster Session 2 (P 56 - P 111) Alphabetical Order</p>	
17.15	<p>Plenary Lecture 6 <u>Pr. Ouassini BENALI BAITICH</u> <i>University of Sciences and Technology Houari Boumediene, Algiers, Algeria</i> Coordination Chemistry and Medicine</p>	<p align="center"><i>Chairperson:</i> Mrs Salima Boughdiri</p>
<p>Oral Communications - Sixth Session - Chairperson : Mr Med Rezaigui</p>		
	<i>Com.</i>	<i>communicating</i>
18.00	OC-17	<p><u>Brahim Ould Elemine</u>, M.A.K. Sanhoury, T. Barhoumi-Slimi, M.R. Khaddar, M.T. Ben Dhia <i>FST - Nouakchott, Mauritania</i> Synthesis and NMR characterization of new tin complexes with aryl phosphoramidates bearing amino acid groups</p>
18.15	OC-18	<p><u>Hallouma Bilel</u>, N. Hamdi, F. Zagrouba, C. Fischmeister, C. Bruneau <i>ISSTE - Borj Cedria</i> Catalysis and metathesis: Valorization of natural products by organometallic catalysis</p>
18.30	OC-19	<p><u>Samuel Tetteh</u>, D.K. Doodoo, R. Appiah-Opong, I. Tuffour <i>University of Cape Coast, Ghana</i> Palladium(II) chloride complexes with nucleobase ligands: Effective cytotoxic agents</p>
18.45	OC-20	<p><u>Amira Amouri</u>, M.T. Sougrati, N. Abdelmoula, H. Khemakhem <i>FSS - Sfax</i> Improved of multiferroic properties in (1-x)BiFeO₃-xBa[Ti_{0.95}(Yb_{0.5}Nb_{0.5})_{0.05}]O₃ system</p>
20.30	<p align="center">Gala Dinner</p>	

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Sunday 10 May 2015

08.30	Plenary Lecture 7 <u>Pr. Arben MERKOÇI</u> <i>ICREA & Catalan Institute of Nanoscience and Nanotechnology, Barcelona, Spain</i> Nanomaterials and Plastic/Paper-Based Sensors for Diagnostics Applications	<i>Chairpersons:</i> Mr Nouredine Raouafi & Mr Nizar Belakhal
09.10	Invited Lecture 3 <u>Dr. Salima BOUGHDIRI</u> <i>University of Tunis El Manar, Faculty of Sciences of Tunis, Tunis, Tunisia</i> The contribution of theoretical chemistry to the interpretation of metal-ligand coordination	
Oral Communications - Seventh Session - Chairperson: Mr Halim Hammi		
	<i>Com.</i>	<i>communicating</i>
09.45	OC-21	<u>Haifa Khemir</u> , F. Moussa, B. Tangour <i>FST - Tunis</i> Drug vectorization by a carbon nanocone: In silico study
10.00	OC-22	<u>Zied Gouid</u> , R. Ben Said, M.A.K. Sanhoury, M.T. Ben Dhia, S. Boughdiri <i>FST - Tunis</i> Zinc(II) complexes with tributylphosphine chalcogenides: An experimental and theoretical study
10.15	OC-23	<u>Salah Belaidi</u> <i>University of Biskra - Algeria</i> In silico study of a new series of coordination compounds derived from TTF-TCNQ
10.30	Coffee break	
11.00	Plenary Lecture 8 <u>Pr. Azzedine BOUSSEKSOU</u> <i>Laboratoire de Chimie de Coordination, UPR, Toulouse, France</i> Molecular Spin Crossover Phenomenon at the nanoscale	<i>Chairperson:</i> Mrs Thouraya Barhoumi -Slimi
Oral Communications - Eighth Session - Chairperson: Mr Hatem Ben Romdhane		
	<i>Com.</i>	<i>communicating</i>
11.45	OC-24	<u>Aida Benchaabane</u> , M.A. Sanhoury, M. Lejeune, F. Kouki, A. Zeinert, H. Bouchriha <i>FST - Tunis</i> Performance of bulk heterojunction photovoltaic cells based on P3OT matrix and cadmium selenide nanoparticles
12.00	OC-25	<u>Melek HAJJI</u> , T. Guerfel <i>FSM - Monastir</i> Structural, thermal, vibrational and DFT studies of a new nonlinear optical chlorocadmiate
12.15	OC-26	<u>Mama Désiré Bikele</u> , M. Nsangou, D. Lissouck, E. Younang <i>University of Douala - Cameroon</i> Coordination ability of 4-benzylidnamino-4, 5-dihydro- 1h-1,2,4-triazol-5-one derivatives: A density functional theory study of divalent metal cations
12.30	Closing Remarks, Awards Distribution and JCC 2017 Announcing	
13.00	Lunch and leaving the hotel	

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