

MONDAY MORNING – SEPTEMBER, 5

09:00 Opening Ceremony

Toniolo Theatre

12:00 Plenary Session 1: PL1 Isabel Arends
**Enzymes as Green Catalysts for conversion of Biobased
Molecules**
I.W.C.E. Arends, C.G. Boeriu, L.G. Otten, F. Hollmann

Toniolo Theatre
PL1

MONDAY AFTERNOON – SEPTEMBER, 5

Oral session 1: Green Materials

Toniolo Theatre

- 14:15 Keynote Session 1: Fortunato Sevilla III
Green Analytical Chemistry: Chemical Sensors Based on Green-Synthesized Nanostructured Reagents K1
F. Sevilla III
- 14:45 **Synthesis of Recyclable Polymers via Equilibrium Ring Opening Metathesis Polymerization** M1
R. Tuba, Antisar Hlil, Mohammed Al-Hashimi, Janos Balogh, Hassan S. Bazzi, Robert H. Grubbs
- 15:05 **Concentrated Polymer Brushes as Soft and Resilient Tribomaterials for Green Tribology** M2
Y. Tsujii, Shu-Yao Hsu, Kohji Ohno, Tadao Tanabe, Kazue Kurihara
- 15:25 **Isocyanate-free Polyurethane via cationic ring opening polymerization of six-membered cyclic carbamates** M3
M. Galimberti, F. Aricò, P. Tundo, V. Barbera, M. Magrograssi
- 15:45 **A Robust Lubrication System Based on Ionic Liquid Polymer Brushes** M4
H. Arafune, T. Kamijo, T. Morinaga, S. Honma, T. Sato
- 16:05 **Thermoremendable Styrenic Polymers by Controlled Radical Copolymerization of Styrene with bioaderived 2-vinylfuran** M5
A.Grassj, A. Buonerba, C. Capacchione, S. Milione

MONDAY AFTERNOON – SEPTEMBER, 5

Oral session 2: Green Bioprocesses

Auditorium

- 14:15 Keynote Session 2: Arlene Correa
Organocatalytic Multicomponent Reactions in the Discovery of Enzyme Inhibitors K2
A. M. Deobald, D. A. dos Santos, J. L. Monteiro, D. G. Rivera, M. W. Paixão and A. G. Corrêa
- 14:45 **Renewable enzymatic recycling of high value pigments and glucose from viscose fibres** B1
S. Vecchiato, O. Haske-Cornelius, B. Mueller, E. Herrero Acero, G. M. Guebitz
- 15:05 **Towards Synthesis of Low Molecular Weight Lignin-like Oligomers by Laccase Catalysed Oxidation of Lignin Model Compounds** B2
B. Ramalingam, B. Sana, S. Jana, R. Krishnan, J. Seayad and F. J. Ghadessy
- 15:25 **Biomass valorization through 5-HMF oxidation catalyzed by Au, Pd and AuPd nanoparticles** B3
C.P. Ferraz, N.J. S. Costa, C.W. Liria, M.T. Machini, L. M. Rossi
- 15:45 **Removal of Cr(VI) by Silica-coated Alginate Immobilized Fungal Biomass** B4
K.P. Ho and W.H. Lo
- 16:05 **Production of bio-based plasticizers and intermediates for organic synthesis by aerobic epoxidation of fatty acid methyl esters** B5
A.D. Kulazhskaya, S.O. Larina, M.S. Voronov, V.N. Sapunov

MONDAY AFTERNOON – SEPTEMBER, 5

**Oral session 3: Organization for the Prohibition of
the Chemical Weapons (OPCW)**

Conference Room

- 14:15 Keynote Session 3: Xiaohui Wu
**Promoting peaceful chemistry and ensuring chemical safety,
security and sustainability--- the OPCW's role and its
initiative on Green Chemistry** K3
X. Wu
- 14:45 **The dual uses of chemistry and its implications on safety,
security and ethics** OP1
A. Hay
- 15:05 **Oral Presentation**
Francesca Fumian
- 15:25 **Inherent Safety Through Green Chemistry for Risk Reduction
at Chemical Sites** OP3
P. Anastas
- 15:45 **Wanhua's approach towards Green Chemistry** OP4
Y. Chen
- 16:05 **Green chemistry for ensuring chemical safety and security in
the developing world** OP5
B. Abegaz

MONDAY AFTERNOON – SEPTEMBER, 5

Oral session 3: Restoration of Cultural Heritage

Small Conference Room

- 14:15 Keynote Session 4: Giorgio Ferrari
New Sustainable Technology to Recover Returned Concrete K4
G. Ferrari, A. Collina and A. Brocchi
- 14:45 **Hemp fibres combined with cementitious mortar: alkali sensitivity and mechanical behaviour with cementitious mortar: alkali sensitivity and mechanical behaviour** R1
C.B.C. Bello, A. Cecchi
- 15:05 **Stone Autochthonous Microorganisms: an efficient help on historical stone-buildings bio-restoration** R2
L. Scrano, S. Sasso, M.G. Bonomo, R. Laviano and S.A. Bufo
- 15:25 **The role of chemistry in contrast to the “graffiti” in art cities** R3
F. Trovò
- 15:45 **The Green Attitude in Art Conservation: Polyhydroxybutyrate-based Gels for the Cleaning of Oil Paintings** R4
C. Samori, P. Galletti, L. Giorgini, R. Mazzeo, L. Mazzocchetti, S. Prati,¹ G. Sciotto, F. Volpi and E. Tagliavini
- 16:05 **Product and Process Innovation for Maintenance, Preservation and Sustainable Programmed Restoration of Cultural Heritage** R5
A. Guida, S.A. Bufo, A. Conte, A.M. Salvi, A. Pagliuca, L. Scrano, G. Bernardo

TUESDAY MORNING – SEPTEMBER, 6

- 9:00 Plenary Session 2: Chao-Jun Li
Exploration of New Chemical Reactivities for Synthetic Efficiency
C. J. Li Toniolo Theatre
PL2
- Oral session 5: Green Materials** Auditorium
- 9:45 Keynote Session 5: Pierangelo Metrangolo
Innovative Solutions for a Greener Fluorine Chemistry K5
F. Baldelli Bombelli, G. Cavallo, V. Dichiarante, R. Milani, G. Resnati, G. Terraneo and P. Metrangolo
- 10:15 **Mechanochemical, Solvent-free Synthesis of Metal and Metal Sulfide Nanoparticles** M6
Monika J. Rak, Michael Malca, Huizhi Bao, Thomas Bastaille, Joseph Matt Kinsella, Tomilav Friscic and Audrey Moores
- 10:35 **Green Chemical Engineering of Controlled-Release Silica Nanocapsules** M7
D. Wibowo, Brenton C. Peters, Anton P.J. Middelberg and Chun-Xia Zhao
- 11:25 **Novel Design of FAU@ ZIF-8 Composite in Core/Shell Structures via a Layer-by-Layer Method** M8
D. Suttipat, S. Bureekaew, W. Wannapakdee and C. Wattanakit
- 11:45 **Synthesis and Catalytic Applications of Sustainable Nanocatalysts** M9
Anuj K. Rathi, Rajender S. Varma, Manoj B. Gawande, Radek Zboril
- 12:05 **Rapid Analysis of Polycyclic Aromatic Hydrocarbons in Aqueous Solutions by Two-Dimensional HPLC System Using Monolithic Column** M10
M.E Çorman, C. Armutcu, E. Bayram, L. Uzun
- 12:25 **The role of ICPMS in nanosafety research on engineered nanoparticles** M11
E. Sabbioni, R. Riscassi

TUESDAY MORNING – SEPTEMBER, 6

9:00 Plenary Session 2: Chao-Jun Li
Exploration of New Chemical Reactivities for Synthetic Efficiency
C.J. Li Toniolo Theatre
PL2

Oral session 6: Green Bioprocesses

Small Conference Room

9:45 Keynote Session 6: Liang-Nian He
Carbon Dioxide Chemistry: Carbon Capture and in Situ Conversion
L. N. He **K6**

10:15 **Interfused Cellulose-Chitosan Hydrogels for Tissue Engineering Applications** **B6**
M.A. Johns, J.L. Scott and R.I. Sharma

10:35 **Ethylene-Stabilized Platinum Nanoparticles for Glycerol to Lactic Acid Conversion** **B7**
W. Oberhauser, C. Evangelisti, C. Tiozzo, F. Vizza, R. Psaro

11:25 **Enzymatic systems for oxidative cross-linking of coating polyesters** **B8**
K. Greimel, O. Haske-Cornelius, V. Perz, K. Härnvall, E. Herrero Acero, G. M. Guebitz

11:45 **Biocatalysis for the valorization of renewable α -pinene - process sustainability through the biocatalyst "architecture"** **B9**
M. Tudorache, A. Negoï, A. Gheorghe, M. Enache, G.-M. Maria, A. Viana, M. Alcalde and V. I. Parvulescu

12:05 **Synthetic Application of Phenylalanine Ammonia Lyase in Cascade Reactions** **B10**
S.T. Ahmed, F. Parmeggiani, N J. Weise and N J. Turner

12:25 **Valorisation of renewables by isomerising metathesis Enhancing biodiesel** **B11**
S. Trita and Lukas J. Gooßen

TUESDAY MORNING – SEPTEMBER, 6

- 9:00 Plenary Session 2: Chao-Jun Li
Exploration of New Chemical Reactivities for Synthetic Efficiency
C.J. Li Toniolo Theatre
PL2
- Oral session 7: Green Industrial Processes and Molecular Innovation** Conference Room
- 9:45 Keynote Session 7: Oleg Demchuk
New Green Catalysts for Cross-coupling Reactions K7
O. Demchuk
- 10:15 **Synthesis of Ru-immobilized periodic mesoporous organosilica and application for selective oxidation of alkanes** IP1
N. Ishito, Hirokazu Kobayashi, Kiyotaka Nakajima, Yoshifumi Maegawa, Shinji Inagaki, Kenji Hara and Atsushi Fukuoka
- 10:35 **Selective oxidative transformations using molecular Pd(II) catalysts: addressing the challenges of sustainability and practicality** IP2
L.M. Dornan, Q. Cao, N.L. Hughes, H. Chai, L. Rogan and M. J. Muldoon
- 11:25 **Direct Catalytic Synthesis of Hydrogen Peroxide: Influence of the Acidity of Niobia-Silica Materials as Supports of Dispersed Palladium Phase** IP3
A. Gervasini, P. Carniti, F. Desmedt, and P. Miquel
- 11:45 **Nanodiamond-supported Metal-based Nanocatalysts for Sustainable Organic Transformations** IP4
A. Goswami, Anuj Rathi, Manoj B. Gawande, Rajender Varma, Radek Zboril
- 12:05 **Highly Active, Reusable, Self-Assembled Polymeric Palladium Catalyst at Parts per Million Levels for Cross-Coupling Reactions** IP5
Y. M. A. Yamada, S. M. Sarker, T. Sato, A. Ohno and Y. Uozumi
- 12:25 **Titanium(IV) salophen trifluoromethanesulfonate: An efficient and reusable catalyst for epoxidation of alkenes with sodium periodate** IP6
M. Yadegari

TUESDAY MORNING – SEPTEMBER, 6

9:00 Plenary Session 2: Chao-Jun Li
Exploration of New Chemical Reactivities for Synthetic Efficiency PL2
C.J. Li Toniolo Theatre

UNESCO/PHOSAGRO/IUPAC Symposium Toniolo Theatre

9:45 Keynote Session 8: Irina Evstigneeva
Reducing heavy metals in our food chain with greener mineral fertilizers K8
I. Evstigneeva

10:15
Green Chemistry in China
B. Han

Oral Presentation
A.S. Elsayed Sayed

Oral Presentation
A. Akhmetshina

Dioxygenases as Green Biocatalysts for Organic Synthesis
I. Carrera

Oral Presentation
M. Ismail

New Challenges for Green Chemistry in Cultural Heritage
P. Tundo

Oral Presentation
B. Abegaz – Molla

Structural Biology for the rational design of greener catalysts
E. Ravera

Oral Presentation
W.C. Wanyonyi

Oral Presentation
J.C. Rodriguez – Reyes

Oral Presentation
A. Hubina

Oral Presentation
S.R. Wan Alwi

**Capture and valorisation of CO₂, a way to reduce
carbon fingerprint**

N. Moreau

Oral Presentation

N. Orlandi

K20

TUESDAY AFTERNOON – SEPTEMBER, 6

14:15 Plenary Session 3: Takashi Tatsumi Toniolo Theatre
Advance Zeolite Catalysts for Sustainable Production of Basic PL3
Chemicals
T. Tatsumi

Oral session 9: Green Materials

Auditorium

15:00 Keynote Session 9: Supavan Tantayanon **K9**
Chrysophyllum cainito (Star apple) leaf extract stabilized
colloidal metal nanoparticles and their applications
S. Tantayanon

15:30 **A Novel Highly Resilient Double Network Ionic Gel for Low M12**
Friction Material
T. Sato, Hiroyuki Arafune, Saika Honma, Toshio Kamijo, and Takashi Morinaga

15:50 **Synthesis of Monodisperse Silica Particles Grafted with M13**
Concentrated Ionic Liquid-Type Polymer Brushes by Surface-
Initiated Atom Transfer Radical Polymerization for Use as a
Solid State Polymer Electrolyte
T. Morinaga, S. Honma, T. Kamijo, T. Sato and Y. Tsujii

16:10 **Innovation in the chemical industry: the key for a sustainable M14**
future
P. Barthélemy

TUESDAY AFTERNOON – SEPTEMBER, 6

14:15 Plenary Session 3: Takashi Tatsumi Toniolo Theatre
Advance Zeolite Catalysts for Sustainable Production of Basic PL3
Chemicals
T. Tatsumi

Oral session 10: Green Bioprocesses

Small Conference Room

15:00 Keynote Session 10: Daniele Bianchi
From Biomass to Advanced Biofuels **K10**
D. Bianchi

15:30 **High Throughput to Make Biochar in Molten Salt for Climate** **B12**
Change Mitigation
F. Luo and Tzu-Chiu Yu

15:50 **Efficient Degradation of Cellulose in its Homogeneously** **B13**
Aqueous Solution over 3D MOF/graphene Catalyst
L. Yan

16:10 **Economical Zero-Footprint Treatment of Chlorinated** **B14**
Aliphatic Hydrocarbons-Contaminated Water using a Novel
Eco-Friendly Bio-Sorbent
G. Selvaraju and N. Abu Bakar

TUESDAY AFTERNOON – SEPTEMBER, 6

- 14:15 Plenary Session 3: Takashi Tatsumi Toniolo Theatre
Advance Zeolite Catalysts for Sustainable Production of Basic PL3
Chemicals
T. Tatsumi
- Oral session 11: Green Industrial Processes and Conference Room**
Molecular Innovation
- 15:00 Keynote Session 11: Wei Zhang
Pot-Economic Cascade Reactions with Recyclable K11
Organocatalysts
W. Zhang
- 15:30 **Green Catalytic Process for Ethylbenzene Oxidation to IP7**
Acetophenone
Tong Liu, Haiyang Cheng, Chao Zhang and Fengyu Zhao
- 15:50 **Polymetallic catalyst and its application in the aqueous IP8**
hydrodechlorination of Aroclor 1260
O. Piccolo, F.Baldi, M.Gallo, S. Paganelli, L.Sperni, P.Zanatta
- 16:10 **The Development of Green Processes for Pharmaceuticals IP9**
D. Tschaen

TUESDAY AFTERNOON – SEPTEMBER, 6

14:15 Plenary Session 3: Takashi Tatsumi Toniolo Theatre
**Advance Zeolite Catalysts for Sustainable Production of Basic PL3
Chemicals**
T. Tatsumi

15:00 **UNESCO/PHOSAGRO/IUPAC Symposium** Toniolo Theatre
Keynote Session 20: Natalia Tarasova **K20**

**The Malta Conferences: Using Green Chemistry to Bridge
Gaps Between Nations**

Z. Lerman

Oral Presentation

M. De Martin

Oral Presentation

X. Wu

**Perspectives for Greener Energy, Water Quality
Improvement and the Reduction of Environmental
Pollution**

C. Brett

**The strategic role of Green Chemistry in the Italian Chemical
Society (SCI)**

R. Ballini

WEDNESDAY MORNING – SEPTEMBER, 7

9:00 Plenary Session 4: Martin Kayser
Sustainable Chemistry – Addressing future societal challenges
M. Kayser Toniolo Theatre
PL4

Oral session 12: Green Materials

Toniolo Theatre

- 09:45 Keynote Session 12: Luca Giannini
The Sustainable Development Challenge: Pirelli Tyre's View **K12**
L. Giannini
- 10:15 **Ring-Opening Metathesis Polymerisation of new Bio-based Monomers made from Furfuryl Alcohol and Itaconic Anhydride** **M15**
I. D. V. Ingram, Yinjuan Bai, Mohamed Naguib, Jennifer R. Dodson, Thomas J. Farmer, James H. Clark and Michael North
- 10:35 **Catalytic processes in the chemistry of lactic acid and PLLA** **M16**
I. A. Shuklov, N. V. Dubrovina, A. Börner
- 11:25 **Characterisation and Application of Nanostructured Conducting and Redox Polymer Films Prepared in Deep Eutectic Solvents** **M17**
Madalina M. Barsan, Krishna P. Prathish, C. M.A. Brett
- 11:45 **Electric insulating resin with high heat resistance derived from woody lignin obtained by steam-explosion** **M18**
H. Kagawa, Y.Okabe, C.Sasaki and Y.Nakamura
- 12:05 **Green Chemistry for biopolymer valorisation** **M19**
A. Jardine and S. Sayed
- 12:25 **Isosorbide-based Methacrylate and Its Crosslinked Soybean Oil-based Thermosets: Synthesis, Modification and Characterization** **M20**
W. Liu and R. Qiu
- 12:45 **Structure-Property-Function Relationships of Biosynthetic, Biodegradable, and CO₂-Based Polymers** **M21**
Y. Sasanuma

WEDNESDAY MORNING – SEPTEMBER, 7

9:00	Plenary Session 4: Martin Kayser Sustainable Chemistry – Addressing future societal challenges <u>M. Kayser</u>	Toniolo Theatre PL4
	Oral session 13: Green Policy, Sustainability and Safety	Small Conference Room
09:45	Keynote Session 13: Michel Philippe L'Oréal's Commitment to Green and Sustainable Chemistry <u>M. Philippe</u>	K13
10:15	The Future of Green Chemistry to Bring About Transformative <u>P. T. Anastas</u>	P1
10:35	Towards automation of chemical process route selection based on data mining <u>P.-M. Jacob</u> and A. Lapkin	P2
11:25	Two Decades of Green Chemistry Progress, not only for the Environment but for Education, through the US Presidential Green Chemistry Challenge Awards <u>M. C. Cann</u>	P3
11:45	Sustainable Chemistry: Strategies and Initiatives of the German Environment Agency (UBA) <u>C.F. Blum</u> and H.-C. Stolzenberg	P4
12:05	Evaluation of nitration of aromatics with nitric acid in fluorinated alcohols with literature methods by green chemistry metrics <u>Š. Možina</u> and J. Iskra	P5
12:25	New Chemistry: Embracing the Human Element <u>J. G. Stevens</u> , T. Hawley	P6

WEDNESDAY MORNING – SEPTEMBER, 7

9:00	Plenary Session 4: Martin Kayser Sustainable Chemistry – Addressing future societal challenges <u>M. Kayser</u>	Toniolo Theatre PL4
	Oral session 14: Green Industrial Processes and Molecular Innovation	Conference Room
09:45	Keynote Session 14: Claudio J. A. Mota A Green Procedure for Solketal Production from Acetone and Glycerol using CO₂ as Switchable Catalyst J. A. C. Nascimento, B. P. Pinto, A. L. L. Fortuna and <u>C. J. A. Mota</u>	K14
10:15	Green Chemistry in Fragrances – Success and Challenges <u>K. Schroeder</u> , T. Kulke and J. Panten	IP10
10:35	Valorization of mango kernel waste using an enzymatic fractionation process <u>J. Banerjee</u> , R. Singh, R. Vijayaraghavan, Amit Arora, Douglas MacFarlane, Antonio Patti	IP11
11:25	Nanocrystalline Cellulose-templated Mesoporous ZSM-5 for Direct Conversion of Cellulose to Hexitols Bin Zhang, <u>Chao Zhang</u> and Fengyu Zhao	IP12
11:45	Sequestration of metallic ions and silver nanoparticles in aqueous media using immobilized chitosan derivatives <u>J. Gagnon</u>	IP13
12:05	Facile HMF formation from glucose in water over Phosphate/TiO₂ with water-tolerant Lewis acid catalyst <u>Kiyotaka NAKAJIMA</u> , Ryouhei NOMA and Michikazu HARA	IP14
12:25	Study of the aggregation of bio-sourced emulsifier in vegetable oils Towards a mechanism involved in oleo-eco-extraction <u>D. Gomes Rodrigues</u> , O. Fadel, P. Bauduin, A. L'Hermitte, A. Rossignol-Castera, L. Girard and O. Diat	IP15
12:45	A Precise Understanding of Organocatalytic Properties of Imidazolium-Based Ionic Liquids; Catalytic Processes involve N-heterocyclic carbenes or not? <u>K. Takahashia</u> , Ryohei Kakuchi, Ryo Ito, Shuhei Nomura, Hadi Abroshan, Kazuaki Ninomiya, Tomoyuki Ikai, Katsuhiro Maeda and Hyung Kim	IP16

WEDNESDAY MORNING – SEPTEMBER, 7

9:00	Plenary Session 4: Martin Kayser Sustainable Chemistry – Addressing future societal challenges <u>M. Kayser</u>	Toniolo Theatre PL4
	Oral session 15: Green Energy	Auditorium
09:45	Keynote Session 15: Tierui Zhang Rational Design of Nanostructured Photocatalysts for Efficient Solar Fuels Y. F. Zhao, L. Shang and <u>T. R. Zhang</u>	K15
10:15	Carbon-carbon bond formation from CO₂ with Dye Molecule-biocatalyst Hybrid System <u>Y. Amao</u> and K. Fujita	E1
10:35	Enhanced water oxidation activity on core-shell NiCo₂S₄@NiCo₂O₄ nanoneedles Yingling Wang, <u>Huijie Shi</u> and Guohua Zhao	E2
11:25	Ni-complex / g-C₃N₄: A low cost and environmental friendly photocatalytic system for hydrogen evolution under visible light irradiation <u>V. Kalousek</u> , T. Vagvala, K. Ikeue	E3
11:45	Solar Light Metal-free Arylations from Arylazo S. Crespi, <u>S. Protti</u> and M. Fagnoni	E4
12:05	Enhanced Photoelectrocatalytic Oxidation activity of TiO₂ /carbon aerogel electrode with High Percentage of Exposed (001) Facets in Degradation of Bisphenol A J. Y. Li, <u>Y. N. Zhang</u> , N. Qin and G. H. Zhao	E5
12:25	Niobium oxides and clay modified with Nb as photocatalysts for environmental applications M. V. Quijo, F. C. F. Marcos, A.E. Nogueira, E. M. Assaf, <u>Y. J. O. Asencios</u>	E6
12:45	Quantitative chemical state analyses of visible light response nitrogen doped titanium dioxide photocatalysts <u>T. Yoshida</u> , S. Niimi, E. Kuda and S. Yagi	E7

THURSDAY MORNING – SEPTEMBER, 8

9:00	Plenary Session 5: Wilfried Braje Chemistry in water using micelles: Applications in the pharmaceutical industry <u>W. Braje</u>	Auditorium PL5
	Oral session 16: Green Energy	Auditorium
09:45	Keynote Session 16: Gianna Reginato Design and Synthesis of Organic Dyes and Their Application in New Generation Photovoltaics <u>G. Reginato</u> , A. Dessì, M. Calamante, A. Mordini, L. Zani	K16
10:15	Sustainable Carbon Dioxide Capture and Conversion Processes <u>L. C. Branco</u> , Catarina I. Melo, Gonçalo Carrera, Ewa Bogel-Lukasik, Manuel Nunes da Ponte	E8
10:35	One-pot microwave assisted catalytic transformation of Waste Frying Oil into glycerol-free Biodiesel <u>C. Drago</u> and G. Nicolosi	E9
11:25	Ionic liquid assisted biomass pretreatment for biofuel production <u>V. Kotia</u> , Douglas R. MacFarlane, Santosh B. Noronha, R. Vijayaraghavan, Vidhya Rangaswamy, Pavankumar Aduri, Parasu Veera Uppara, Antonio F. Patti	E10
11:45	Towards New Development in Renewable H₂ Fuel Generation from Water Splitting: Tandem Catalysis and Organic Hydrogen Carriers <u>I. Thapa</u> , N. Alderman, V. Peneau and S. Gambarotta	E11
12:05	Catalytic aromatization of natural gases over hierarchical bifunctional Ga/HZSM-5 nanosheets for propane aromatization <u>Wannaruedee Wannapakdee</u> , Chularat Wattanakit, Veerachart Paluka, Thittaya Yutthalekha and Jumrus limtrakul	E12
12:25	Ionic Liquids as novel electrolytes for energy applications Thoms Schubert, <u>Boyan Iliev</u> and Maria Ahrens	E13
12:45	Thermally stable electrolyte for Li ion batteries at high Li ion concentration <u>Santosh N. Chavan</u> and Debaprasad Mandal	E14

THURSDAY MORNING – SEPTEMBER, 8

9:00	Plenary Session 5: Wilfried Braje Chemistry in water using micelles: Applications in the pharmaceutical industry <u>W. Braje</u>	Auditorium PL5
	Oral session 17: Education	Library
09:45	Keynote Session 17: Vania G. Zuin Building biorefineries for the bioeconomy: an interdisciplinary postgraduate green chemistry course <u>V. G. Zuin</u>	K17
10:15	Promoting green chemistry education in Africa: interplay of local and global perspectives and cross-field challenges <u>L. Mammino</u>	ED1
10:35	Green Chemistry Experiments with Small-Lab Kit <u>Tantayanon S., Zakaria Z. and BoonYeun S.</u>	ED2
11:25	Sustainable processes in the chemistry department: from green chemistry education in the laboratory to environmentally friendly engineering designs <u>T.A. Logotheris</u>	ED3
11:45	Green Chemistry Education for the next generation of scientists in Mexico, via the Biopolymeric Materials Project (BIOPMAT) J Cortés-Zárate, A M Gómez, <u>H Pérez-Delfín</u>	ED4

THURSDAY MORNING – SEPTEMBER, 8

9:00	Plenary Session 5: Wilfried Braje Chemistry in water using micelles: Applications in the pharmaceutical industry <u>W. Braje</u>	Auditorium PL5
	Oral session 18: Industrial Processes and Molecular Innovation	Conference Room
09:45	Keynote Session 18: Luigi Vaccaro Definition of green synthetic tools based on safer, recoverable and biomass derived reaction media <u>L. Vaccaro</u>	K18
10:15	Functional Group and Phytochemical Analysis of Seeds, Flowers and Leaf of Moringa oleifera Plant <u>G U. Obuzor</u> , P A. Enyeribe and R. Okah	IP17
10:35	Magnetically recoverable catalysts: separation technology meets green chemistry <u>L. M. Rossi</u>	IP18
11:25	Synergy between ionic liquids and water that favours process efficiency K. Anderson, M. P. Atkins, C. Bengoa, M. P. Caporgno, J. Estager, J. Font, Y. Kuah, J. Legrand, O. Lepine, S. Ng, M. Olkiewicz, A. A. Oliferenko, <u>N. V. Plechkova</u> , J. Pruvost, A. V. Puga, K. R. Seddon, D. F. Wassell, D. Yeadon	IP19
11:45	Synthesis of Bio-Based Thiophene Derivatives with Supported Ionic Liquids in a Fluidised Bed Reactor <u>P. Filippousi</u> , Z. Zhang, J. Wilton-Ely, P. Fennell, J. P. Hallett	IP20
12:05	Synthesis of 1,5-benzodiazepines and 3-amino-2-alkenones <u>B. Nişancı</u> , A. Solan, M. Belcher, J. Young, C. Schäfer, K. A. Wheeler, B. Török, R. Dembinski	IP21
12:25	Hydrogen peroxide in cyclic peroxides synthesis <u>A.O. Terent'ev</u> , V.A. Vil', I.A. Yaremenko	IP22
12:45	Selective hydrogenations using Ni-, Ru- and NiRu-nanocatalysts in ionic liquids <u>H. Konnerth</u> and Martin H. G. Prechtl	IP23

THURSDAY AFTERNOON – SEPTEMBER, 8

9:00	Plenary Session 5: Wilfried Braje Chemistry in water using micelles: Applications in the pharmaceutical industry <u>W. Braje</u>	Auditorium PL5
	Oral Session 19: Green Industrial Processes and Molecular Innovation	Small Conference Room
09:45	Keynote Session 19: Irina Evstigneeva	K19
10:15	Recycled 3D Printed Photocatalytic Active Supports for NOx Abatement N. Montesinos, G. Palazzo, C. Lorenzo, H. Destailats, P. Eisenberg, <u>N. Quici</u> , M. Litter	IP24
10:35	Green chemistry in mineral processing: chemical and physical methods to enhance the leaching of silver while decreasing/replacing the consumption of cyanide <u>J. C. F. Rodriguez-Reyes</u>	IP25
11:25	Oral Presentation <u>S.R. Wan Alwi</u>	IP26
11:45	Development of polysaccharide-based composites for multifunctional application <u>A. Hubina</u>	IP27
12:05	Mustard carbonates: the effect of the leaving group <u>A. S. Aldoshin, F. Aricò and P. Tundo</u>	IP28
12:25	Environmental Friendly Epoxidation of Propylene (HPPO process) Catalyzed by Hollow Titanium Silicalite Zeolite at Pilot Scale Changjiu Xia, <u>Xinxin Peng</u> , Min Lin, Bin Zhu, Xingtian Shu	IP29

THURSDAY AFTERNOON – SEPTEMBER, 8

- 14:30 Plenary Session 6: Fernando Galembeck
Synergy in Bioenergy, Food and Materials from Biomass
F. Galembeck Auditorium
PL6
- 15:15 Winner of the 2016 IUPAC - CHEMRAWN VII Prize for Green
Chemistry: Ali Maleki Auditorium
- Green Reaction Media Protocols: From Solvent-Free to
Catalysis State-of-the-Art**
A. Maleki
- 16:30 **Closing Ceremony:** Auditorium
Reports and Minutes from the Round Tables
Poster Prizes
*Presentation of the next editions of the International IUPAC
Conference on Green Chemistry*
Closing Remarks