

10th World Congress on
**Medicinal Chemistry
 and Drug Design**

June 14-15, 2018 | Barcelona, Spain



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Cb =pH[H ⁺]	[OH ⁻]	Al
7.403.98E-08	2.51E-07	0.2
7.602.51E-08	3.98E-07	0.2
8.001.00E-08	1.00E-06	0.5
8.403.98E-09	2.51E-06	0.7
8.801.58E-09	6.31E-06	0.8
9.001.00E-09	1.00E-05	0.9

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conference**series**.com 09:30-09:50

Opening Ceremony

Keynote Forum

09:50-10:00 Introduction

Title: Are SAR tables obsolete?

10:00-10:35

Celerino Abad-Zapatero, University of Illinois at Chicago (UIC), USA

Title: Fluorescence lifetime based assays in drug discovery

10:35-11:10

Franz-Josef Meyer-Almes, University of Applied Sciences Darmstadt, Germany

Networking & Refreshment Break: 11:10-11:25

11:25-12:00

Title: Stilbene-based compounds: from synthesis to biological activities

Barbara De Filippis, University "G. d'Annunzio", Italy

12:00-12:35

Title: Design synthesis and biological evaluation of fibrate analogues as PPAR agonists

Letizia Giampietro, University "G. d'Annunzio", Italy

12:35-13:10

Title: CoMIn to molecular interior-quantum and intermolecular potentials based approaches for rational virtual drug design

Vladimir Potemkin, South Ural State University, Russia

Group Photo

Lunch Break: 13:10-14:00 @ Restaurant

Sessions: Medicinal Chemistry | Analytical Chemistry | Applications of Organic and Medicinal Chemistry in Drug Discovery | QSAR (Quantitative Structure-Activity Relationship) Fragment-Based Drug Design | Drug Design and Drug Development | Pharmacology and Toxicology

Session Chair: Letizia Giampietro, University "G. d'Annunzio", Italy

Session Co-Chair: Youssef I Moharram, Tanta University, Egypt

Session Introduction

14:00-14:25

Title: Electrochemical behaviour of duloxetine HCl drug in formulation and spiked human serum at a carbon paste electrode

Youssef I Moharram, Tanta University, Egypt

14:25-14:50

Title: Synthesis and structure-activity relationship of a new derivatives of 14- and 15-membered macrolide antibiotics containing rebuilt saccharide arms

Anna Janas, Adam Mickiewicz University in Poznań, Poland

14:50-15:15

Title: Pyrazoline containing malonyl CoA decarboxylase inhibitors: Design, synthesis and in vitro evaluation

C S Ramaa, Bharati Vidyapeeth's College of Pharmacy, India

15:15-15:40

Title: Multicomponent access to conjugate vaccines

Yanira Méndez Gómez, Leibniz Institute of Plant Biochemistry, Germany

Networking & Refreshment Break: 15:40-15:55

15:55-16:20

Title: In vitro and in vivo activity of opioid cyclopeptide with mu/delta agonist profile

Katarzyna Gach-Janczak, Medical University of Lodz, Poland

16:20-16:45

Title: Recombinant ricin nanoparticles design for CXCR4+ cancer cell therapy

Raquel Díaz, Universitat Autònoma de Barcelona, Spain

16:45-17:10

Title: Levels of selected metals in commercially available rice in Ethiopia

Bisratewongel Tegegne, Addis Ababa University, Ethiopia

17:10-17:35

Title: Discovery and structure - activity relation study of small-molecule as CB2 selective ligand

Amer Tarawneh, Tafila Technical University, Jordan

Panel Discussion 17:35-18:00

Day 2 June 15, 2018

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Keynote Forum

09:50-10:00 Introduction

10:00-10:35 Title: **Chemosophia online computations for drug discovery and design**

Maria Grishina, South Ural State University, Russia

10:35-11:10 Title: **Design and development p38 kinase inhibitors**

Ravindra Kulkarni, SVERI, India

Networking & Refreshment Break: 11:10-11:25

11:25-12:00 Title: **Redirecting the Thiazolidinedione (TZD) scaffold from antidiabetic to anticancer treatment**

C S Ramaa, Bharati Vidyapeeth's College of Pharmacy, India

Young Researchers Forum

12:00-12:20 Title: **Synthesis of α -acylamino and α -acyloxy amide derivatives of desmycosin and evaluation of their antibacterial activities**

Tuvshinjargal Budragchaa, Leibniz Institute of Plant Biochemistry, Germany

12:20-12:40 Title: **5-naphthylidene-2,4-thiazolidinediones: *In silico* studies, synthesis and primary cytotoxicity evaluation in leukemic cell lines**

Neha Upadhyay, Bharati Vidyapeeth's College of Pharmacy, India

Poster Presentations 12:40-13:15

Poster Judge: Franz-Josef Meyer-Almes, University of Applied Sciences Darmstadt, Germany

MCPP001 Title: **Biotransformation study of the synthetic cannabinoid JWH-007**

Antonio Elías Kuri Pineda, Mexico

MCPP002 Title: **Fluorinated anti-tubulin phenyl-pyrroloquinolinones: *In vitro* and *in vivo* anticancer properties**

Matteo Dal Prà, University of Padua, Italy

MCPP003 Title: **LC/ESI/QT of studies of the leaves extract of *Kitaibelia balansae* species**

Meysun Ibrahim Abdullah, Near East University, Cyprus

MCPP004 Title: **Development of new polymeric systems with potential applications in chronic wound treatment**

Luminita Confederat, "Grigore T. Popa" University of Medicine and Pharmacy, Romania

MCPP005 Title: **Characterization and biological evaluation of new polymeric systems with potential applications in chronic wound treatment**

Mihaela-Iustina Avram, "Grigore T. Popa" University of Medicine and Pharmacy, Romania

MCPP006 Title: **Pharmacologic ascorbate and ferroptosis**

Tamas Lorincz, Budapest University of Technology and Economics, Hungary

Lunch Break: 13:15-14:15 @ Restaurant

14:15-14:35 Title: **Targeting epigenetics: Synthesis and biological evaluation of difluorinated propanediones as HMTase inhibitors**

Kalpana Tilekar, Bharati Vidyapeeth's College of Pharmacy, India

14:35-14:55 Title: **Development of 3, 5-dinitrophenyl containing heterocycles: Structure-antimycobacterial activity relationships studies**

Galina Karabanovich, Charles University, Czech Republic

14:55-15:15 Title: **Synthesis of highly functionalized spirocyclic butenolides via ring contraction of fused 2H-pyran-2-ones**

Amr Elagamy, University of Delhi, India

Networking & Refreshment Break: 15:15-15:30

Panel Discussion