



## PHYTOCHEMICALS IN MEDICINE AND PHARMACOGNOSY

PIATRA-NEAMT, ROMANIA 27 – 30 APRIL 2014

### CONFERENCE PROGRAM

#### Sunday, April 27 2014

10:00 – 16:00	<b>Registration</b>
16:00 – 16:30	<b>Opening ceremony</b> at Millenium Hall (Central Plaza Hotel)
	<b>Plenary Lecture PL1</b>
16:30 – 17:10	<b>Simon Gibbons</b> Phytochemicals as templates for "Legal Highs" and Antibacterials
17:10 – 17:30	<b>Coffee break</b>
	<b>Chair: Pinarosa Avato, Simon Gibbons</b>
17:30 – 18:10	<b>Plenary Lecture PL2</b> <b>Satyajit D. Sarker, Lutfun Nahar</b> Guided or not guided – that is the question
	<b>Plenary Lecture PL3</b>
18:10 – 18:50	<b>Evelyn Wolfram, Peter Samuel, Beat Meier</b> Phytochemical analysis using HPTLC and modern LC for application in quality control and medicinal plants research – trends and tools
20:00	<b>Welcome Dinner</b> at Avangard Hall (Central Plaza Hotel)

#### Monday, April 28 2014

	<b>Chair: Evelyn Wolfram, Satyajit D. Sarker</b>
9:00 – 9:40	<b>Plenary Lecture PL4</b> <b>Nuria Chinchilla, Rosa M. Varela, Ascensión Torres, José M. G. Molinillo, Francisco A. Macías</b> How to get the right bioactive cocktail ?
9:40 – 10:00	<b>Short Lecture SL1</b> <b>P. Avato, M. P. Argentieri, P. Leonetti, L. Villanova, T. D'Addabbo</b> Nematicidal activity of artemisinin
10:00 – 10 :20	<b>Short Lecture SL2</b> <b>Francesco Epifano, Serena Fiorito, Salvatore Genovese</b> 4'-Geranyloxyferulic acid: an overview of its potentialities as an anti-cancer and anti-inflammatory agent
10:20 – 10:40	<b>Short Lecture SL3</b> <b>Jianbo Xiao, Petra Högger</b> Structure-uptake relationship of polyphenols by Caco-2 cells
10:40 – 11:00	<b>Short Lecture SL4</b> <b>Tatiana Onisei, Radu Stoianov, Manuela Rascol</b>

	Plants and biological active substances responsible for the physiological effects of the main categories of herbal food supplements from the Romanian market
11:00 – 11:20	<b>Coffee break</b>
	<b>Chair: Monica Hancianu, Christoph Carlen</b>
11:20 – 11:40	<b>Short Lecture SL5</b> <b>Agnieszka Mroczek, Ireneusz Kapusta, Bogdan Janda, Wirginia Janiszowska</b> Qualitative and quantitative analysis of saponin content in <i>Beta vulgaris</i> varieties
11:40 – 12:00	<b>Short Lecture SL6</b> <b>Guoyin Kai, Qiang Huang, Xiaorong Wang, Yanjie Zhang, Jianbo Xiao, Lijie Cui</b> Biosynthesis and regulation of tropane alkaloids biosynthesis in <i>Anisodus acutangulus</i>
12:00 – 12:20	<b>Short Lecture SL7</b> <b>Simona Carmen Litescu, Sandra A. V. Eremia, Gabriel-Lucian Radu</b> Alternative analytical tools (sensors/biosensors) in assessment of phytochemical active principles
12:20 – 12:40	<b>Short Lecture SL8</b> <b>Cristina Pavel</b> Clinical cases of recurrent respiratory infections at children treated with phytotherapy
<b>12.45 – 13:20</b>	<b>ANNUAL GENERAL MEETING (AGM) of PSE Members at Baroc Hall</b>
12:40 – 13:00	<b>Short Lecture SL9</b> <b>Camelia P. Stefanache, Samuel Peter, Beat Meier, Doina Danila, Catalin Tanase, Evelyn Wolfram</b> Phytochemical composition of <i>Arnicae flos</i> from wild populations in the northern area of the Romanian Eastern Carpathians
13:00 – 13:20	<b>Short Lecture SL10</b> <b>Camil-Eugen Vari, Amelia Tero-Vescan, Silvia Imre, Bianca-Eugenia Ősz</b> Controversy regarding the use of weight loss supplements with phytotherapeutic extracts for sportsmen
13:20 – 15:00	<b>Lunch</b> at Avangard Hall (Central Plaza Hotel) <b>Chair: Francisco A. Macías, Franz Bucar</b>
15:00 – 15:40	<b>Plenary Lecture PL5</b> <b>Christoph Carlen, José F. Vouillamoz, Xavier Simonnet</b> The importance of the genotype and the harvest stage on phytochemicals in medicinal plants and consequences for quality control
15:40 – 16:20	<b>Plenary Lecture PL6</b> <b>Miroslav Strnad, O. Novák, Danuše Tarkovská, Veronika Turečková, J.Grúz, J.Rolčík, A.Pěňčík, Kristýna Floková, R.Simerský, Karel Doležal</b> New mass spectrometry technologies for metabolite profiling
16:20 – 16:40	<b>Short Lecture SL11</b> <b>Tatiana Chiru, Fabiana Antognoni, Ferruccio Poli, Anatolie Nistreanu, Anna Benea</b> The antioxidant and anti-inflammatory activity of <i>Centaurea cyanus</i> L. extracts

16:40 – 17:00	<b>Short Lecture SL12</b> <b>Zhi-Zhong Guan, Xiao-Lan Qi, Xiao-Yan Hao</b> Protective effects of <i>Herba Cistanches</i> against neurotoxicity induced by $\beta$ -amyloid peptide in SH-SY5Y cells
17:00 – 17:20	<b>Coffee break</b>
17:20 – 17:40	<b>Short Lecture SL13</b> <b>Anca Miron, Elena Cretu, Adriana Trifan, Maarit Karonen, Juha-Pekka Salminen, Cosmin Teodor Mihai, Pincu Rotinberg, Ana Clara Aprotosoaic</b> Phenolic profile and <i>in vitro</i> screening of Cyprus cedar bark for antioxidant and antitumor activities
17:40 – 18:00	<b>Short Lecture SL14</b> <b>Amir Reza Jassbi, Omidreza Firuzi, Ramin Miri, Ian T. Baldwin</b> Biologically active natural products from Iranian terrestrial and marine organisms
18:00 – 18:30	<b>WORKSHOP</b> (at Baroc Hall) <i>Agilrom Scientific</i> – <b>Alin Mogos</b> New equipment and methods developed by Agilent Technologies with application in Medicine and Pharmacognosy
18:30 – 19:30	<b>Poster Session</b> at Atrium Hall (Central Plaza Hotel) <b>Chair: Simona Litescu, Simon Gibbons, Franz Bucar</b>
20:00	<b>Dinner</b>

## Tuesday, April 29 2014

Excursion

20:00 – Gala Dinner

## Wednesday, April 30 2014

	<b>Chair: Anca Miron, Amir Reza Jassbi</b>
9:00 – 9:20	<b>Short Lecture SL15</b> <b>Anna Benea, Maria Gonceariuc, Ion Dragalin, Anatolie Nistreanu, Tatiana Chiru</b> Study of volatile oil from the aerial parts of <i>Hypericum perforatum</i> L. by GC-MS
9:20 – 9:40	<b>Short Lecture SL16</b> <b>Petru Harghel, Rotaru Cristina, Sirbu Tatiana, Gheorghe Duca, Nikon Ungur, Veaceslav Kulcički</b> Valorization of <i>Salvia sclarea</i> wastes. Efficient synthesis of sclareoloxide by sclareol ozonolysis in aqueous solvent system
9:40 – 10:00	<b>Short Lecture SL17</b> <b>Florin Catana Bota</b> The synergistic action of medicinal herbs extracts. Case study - INTERFERONAT
10:00 – 10:20	<b>Short Lecture SL18</b> <b>R. Albulescu, C. Tanase, A. Motaal, S. Shaker, I. Hassan, S. El-Bahrawy, M. Neagu, A. Grigore, G. Neagu, V. Vulturescu, G. Vassapollo, R. Bauer</b> Screening for natural anti-diabetic drugs in <i>Balanites aegyptiaca</i>
10:20 – 10:40	<b>Short Lecture SL19</b> <b>Veronica Gradinariu, Oana Cioanca, Lucian Hritcu, Elvira Gille, Adriana Trifan, Monica Hancianu</b> Comparative efficacy of <i>Ocimum sanctum</i> and <i>Ocimum basilicum</i> volatile oils against amyloid beta (1-42)-induced anxiety and depression in laboratory rats.

- 10:40 – 11:00 **Short Lecture SL20**  
**Elvira Gille, Cap Susana, Radu Necula, Georgiana Luminita Gavril, Rogobete Agnes, Valentin Aurica Grigoras, Ciobanu Emilia, Florin Catana Bota**  
Food supplements used as adjuvants in the therapy of lung diseases – clinical study – The Bisericani Pneumophthisiology Hospital
- 11:00 – 11:30 **Coffee break**
- 11:30** **Awards and Grants**  
**Closing ceremony**