



# **PSE** **Meeting** **2022**

**September**  
**19-22**  
Iasi, Romania

**Natural  
Products  
in Drug Discovery  
and Development -  
Advances and  
Perspectives**

# **Program**

[www.psemeetingiasi2022.eu](http://www.psemeetingiasi2022.eu)



Antibiotice



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## **WELCOME MESSAGE**

**Dear Colleagues,**

On behalf of the Phytochemical Society of Europe and Grigore T. Popa University of Medicine and Pharmacy Iasi, it is a great pleasure to warmly welcome you all to the Conference **Natural Products in Drug Discovery and Development – Advances and Perspectives** in Iasi, Romania.

The conference brings together over 150 scientists from 21 countries to share their latest research findings, ideas and experiences in natural products chemistry, bioactivity, biotechnology, quality control and formulation. The scientific program is rich and varied including 19 plenary lectures, 21 invited lectures, 33 short lectures and 100 e-posters.

The city of Iasi is renowned for its academic and cultural life. Spread over seven hills and surrounded by peaceful landscapes, the city hosts the oldest university, the oldest university library, the oldest theater, the oldest and largest botanical garden in Romania, more than 500-year-old historical monuments and modern architectural sites. Iasi offers an ideal environment to exchange ideas and build friendships.

I take this opportunity to thank the members of the Scientific and Organizing Committees and our sponsors for making this conference possible.

I wish you all a fruitful and pleasant stay in Iasi.

**Anca Miron**

*On behalf of the Organizing Committee*





GRIGORE T. POPA UNIVERSITY OF  
MEDICINE AND PHARMACY IASI

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## Organizers & Committees

[www.psemeetingiasi2022.eu](http://www.psemeetingiasi2022.eu)



## CONFERENCE ORGANIZER



## ORGANIZING COMMITTEE

**Chair:** Anca MIRON (Iasi, Romania)

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**Irina Draga CARUNTU** (Iasi, Romania)

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**Gabriela TATARINGA** (Iasi, Romania)

**Adriana TRIFAN** (Iasi, Romania)

## **SCIENTIFIC COMMITTEE**

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**Chin-Kun WANG** (Taichung, Taiwan)  
**Evelyn WOLFRAM** (Wädenswil, Switzerland)  
**Jianbo XIAO** (Vigo, Spain)





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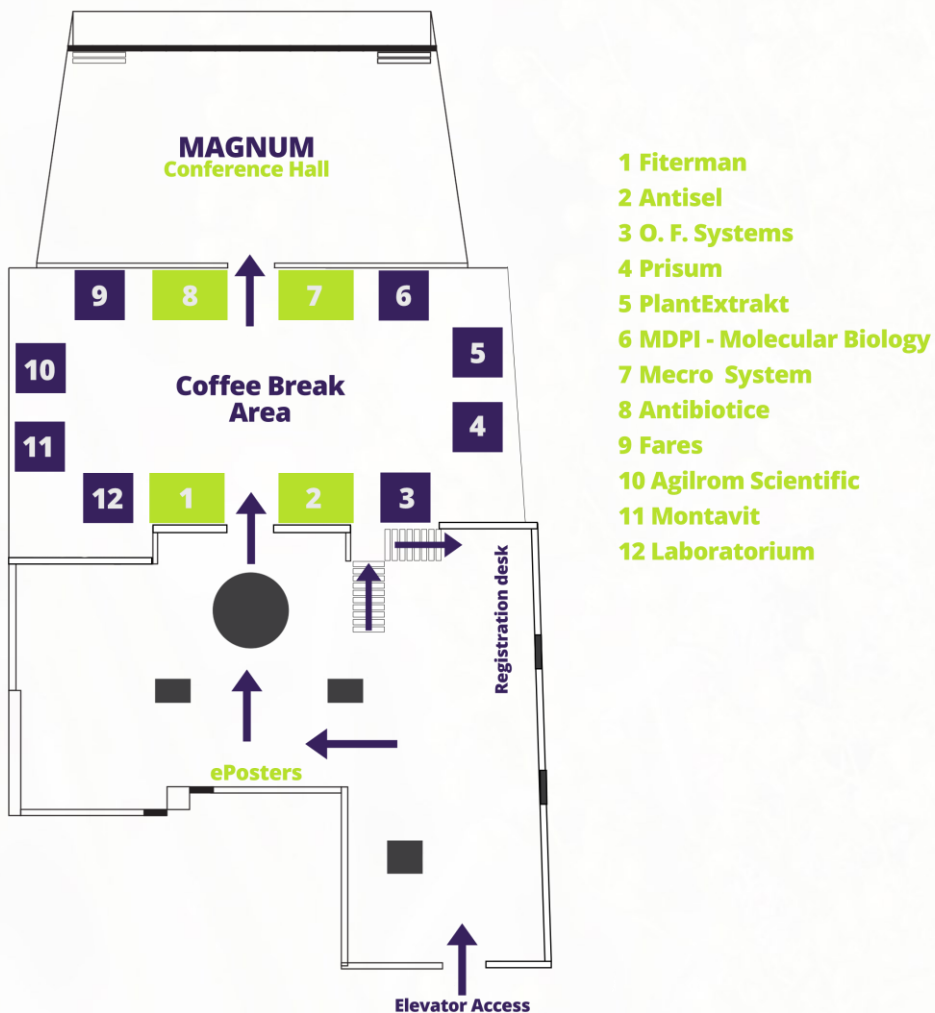
# PSE Meeting 2022

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Iasi, Romania

## Partners

[www.psemeetingiasi2022.eu](http://www.psemeetingiasi2022.eu)

**Exhibition Area**  
**INTERNATIONAL HOTEL (LEVEL -2)**



The Organizing Committee of PSE Meeting 2022 expresses its gratitude towards the following companies for their support in organizing the event:

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# **PSE** Meeting 2022

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**General**  
**Information**

[www.psemeetingiasi2022.eu](http://www.psemeetingiasi2022.eu)



### **CONFERENCE VENUE**

"International" Hotel, Iași, Romania  
5A, Palat St., Iași

### **OFFICIAL WEBSITE**

[www.psemeetingiasi2022.eu](http://www.psemeetingiasi2022.eu)

### **OFFICIAL LANGUAGE**

English

### **CONFERENCE MANAGEMENT**

Address: Str. Anastasie Panu nr. 13, bl. Ghica Vodă, Iași, Romania  
Phone: +40.332.40.88.03; Web: [www.eventernet.ro](http://www.eventernet.ro)

### **REGISTRATION DESK**

The conference registration desk will be opened throughout the event and it will be located in "International" Hotel, level -2.

### **REGISTRATION DESK PROGRAM**

Monday, September 19	10:30 - 19:30
Tuesday, September 20	08:30 - 19:30
Wednesday, September 21	08:30 - 19:30
Thursday, September 22	08:30 - 17:00

### **CONFERENCE BADGES**

Badges are issued for all registered participants. The name badge grants access to conference rooms, to the sponsors' exhibition and to any connected area to the event.

### **ON-SITE REGISTRATION**

On-site registration will be possible at the Registration Desk, starting on Monday, September 19, 10:30.

### **SCIENTIFIC SECRETARIAT for ORAL PRESENTATIONS** **(available at the Registration Desk)**

This is where conference presentations are handed over at least 2 hours before the presentation to ensure the appropriate running of the program, with the clear specification of the presentation title, name of the session, date and the hour of the presentation. The organizers take no responsibility for materials that have not been tested on Scientific Secretariat computer.

### **ePOSTERS SESSIONS**

Due to time constraints, only 15 ePosters in each ePoster Session will be presented (2-3 slides, 2 min presentation, 1 min Q/A). The ePosters to be presented will be voted by the participants. The voting system will be available in the ePoster Area starting from September 19, 11.00 until September 20, 13.00. The ePosters voted to be presented will be announced at the beginning of Session VI (Tuesday, September 20, 15.00).

### **CONFERENCE ROOM**

All lectures will be given in “Magnum” Conference Hall, located in “International” Hotel, level -2.

### **CERTIFICATES OF ATTENDANCE**

Certificates of Attendance will be sent by email in maximum 30 days post-event.

### **WELCOME RECEPTION**

The Welcome Reception is offered by the conference organizers and will take place on Monday, September 19, at 19.30, in “Panoramic” Restaurant of “International” Hotel (1<sup>st</sup> floor). Access to the cocktail will be granted by the invitation received at the registration desk.

### **LUNCHES & COFFEE BREAKS**

Lunches are offered on 20 and 21 September, at the times specified in the Program. Access to lunches will be granted by the lunch tickets offered at the conference Registration Desk, together with conference materials.

Coffee breaks are offered in the special area in the Sponsors’ Exhibition.

### **FESTIVE DINNER**

Festive Dinner is offered by the conference organizers in “Sophia” Restaurant, located on the 11<sup>th</sup> floor of “International” Restaurant, at 20:00.

Access to the Festive Dinner will be granted by the invitation received at the registration desk.

### **SPONSORS’ EXHIBITION**

The Sponsors’ Exhibition will be opened during the conference in the “International” Hotel, level -2, in front of “Magnum” Conference Hall.





GRIGORE T. POPA UNIVERSITY OF  
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# PSE Meeting 2022

September  
**19-22**  
Iasi, Romania

**Monday**  
**September 19**

[www.psemeetingiasi2022.eu](http://www.psemeetingiasi2022.eu)



Monday, September 19 | 11<sup>00</sup>-11<sup>30</sup>

## OPENING CEREMONY

Monday, September 19 | 11<sup>30</sup>-13<sup>35</sup>

## SESSION I

Chairs: Maria José Umbelino Ferreira, Jürg Gertsch

11:30	<p><b>PL1: The leaves of the chirimolla tree as a source of potential cancer prevention therapies</b> Francisco A. Macías, Alexandra G. Durán, M. Teresa Gutiérrez, Francisco J.R. Mejías, José M.G. Molinillo, Manuel M. Valdivia</p>
12:00	<p><b>PL2: Bioprospecting, biosynthetic engineering and synthetic biology towards drug discovery from bacteria</b> Sergey B. Zotchev</p>
12:30	<p><b>IL1: Application of computational methods for alpha-glucosidase inhibitory natural products research</b> Didem Şöhretoğlu, Burak Barut, Gülin Renda, Michal Šoral, Suat Sari</p>
12:50	<p><b>SL1: Phenanthrene derivatives from <i>Juncus inflexus</i> as natural antibacterial agents</b> Asma Hakem, Christel Neut, Ramla Sahli, Rawen Ben Malek, Gabriel Lefèvre, Séverine Mahieux, Jennifer Samaille, Isabelle Houcke, Sevser Sahpaz, Vincent Roumy, Riadh Ksouri, Céline Rivière</p>
13:05	<p><b>SL2: Metabolomic analysis and antimicrobial activity of <i>Moringa oleifera</i> seeds, leaves and oil</b> Attilio Anzano, Bruna de Falco, Mohammed Ammar, Annarita Ricciardelli, Laura Grauso, Rosanna Capparelli, Virginia Lanzotti</p>
13:20	<p><b>Symposium: Antisel</b> <b>SCIEX Mass Spectrometry - the solution for screening and quantifying phytochemicals</b> Cristian Butnaru</p>

13:35-14:30 – Coffee Break

Monday, September 19 | 14<sup>30</sup>-17<sup>00</sup>

## SESSION II

Chairs: Francisco A. Macias, Krystyna Skalicka-Woźniak

14:30	<b>PL3: Plant-derived indole alkaloids, from an African medicinal plant, as hit/lead compounds against cancer</b> Maria-José U. Ferreira
15:00	<b>IL2: Rational natural product &amp; drug combinations</b> Fatih Demirci
15:20	<b>IL3: Marine bioproducts for discovery in Australia - the Marine Bioproducts Cooperative Research Centre</b> Leslie A Weston, Russell Barrow
15:40	<b>IL4: Nepalese propolis alters the metabolic state of <i>Mycobacterium tuberculosis</i></b> Rafał Sawicki, Jarosław Widelski, Piotr Okińczyc, Wiesław Truszkiewicz, Joanna Glous, Elwira Sieniawska
16:00	<b>SL3: Cytotoxic triterpene glycosides from the root of <i>Olax subscorpioidea</i> Oliv. (Olacaceae)</b> Yemi Adekunle, Babatunde Samuel, Amos Fatokun, Lutfun Nahar, Satyajit D Sarker
16:15	<b>SL4: Anti-inflammatory activity of <i>Valeriana phu</i> and isolation of secondary metabolites</b> Cansel Çelik, Yağmur Özhan, Hande Sipahi, Hasan Kırmızıbekmez
16:30	<b>SL5: Bioassay guided isolation of anthelmintic compounds</b> Mthandazo Dube, Mohamad Saoud, Dayma Llanes, Robert Rennert, Kerstin Andrae-Marobela, Ghislain Wabo Fotso, Cecile Haerberli, Jennifer Keiser, Peter Imming, Ludger Wessjohann, Norbert Arnold
16:45	<b>SL6: Phytochemical profile, antioxidant, antimicrobial, and antiproliferative screening of <i>Rudbeckia hirta</i> flowers</b> Ana Flavia Burlac, Łukasz Pecio, Cornelia Mircea, Andreia Corciovă, Cristina Tuchiluş, Oana Cioancă, Corina Danciu, Cristina Dehelean, Solomiia Kozachok, Wiesław Oleszek, Monica Hăncianu

17:00-17:20 – Break

Monday, September 19 | 17<sup>20</sup>-19<sup>30</sup>

## SESSION III

Chairs: Lucie Cahliková, Didem Şöhretoğlu

17:20	<b>PL4: Biological profiling of coumarins</b> Krystyna Skalicka-Woźniak
17:50	<b>IL5: Combating cancer: natural products and pseudo natural products-based strategies underpinned by medicinal chemistry</b> Hidayat Hussain
18:10	<b>IL6: Natural products against dermatophytes: boosters of terbinafine activity and anti-inflammatory effectors</b> Adriana Trifan, Andra-Cristina Bostanaru, Simon Vlad Luca, Krystyna Skalicka-Wozniak, Monika E. Czerwinska, Sebastian Granica, Mihai Mares
18:30	<b>SL7: Saponins from <i>Astragalus glycyphyllos</i> and their neuroprotective effects</b> Ivan Stambolov, Aleksandar Shkondrov, Franz Bucar, Olaf Kunert, Magdalena Kondeva-Burdina, Iliina Krasteva
18:45	<b>SL8: Investigation of the action of rhoifolin on cognitive processes in zebrafish</b> Daniela-Adriana Tanasă, Lucian Hritcu
19:00	<b>SL9: An acute toxicity study of three synthetic cannabinoids – future directions in chronic neuropathic pain management</b> Veronica Bild, Leontina Elena Filipiuc, Daniela Carmen Ababei, Gabriela Dumitrița Stanciu, Ivona Maria Tudorancea, Malina Maria Cernatescu, Sorina Elena Lebada, Bogdan-Ionel Tamba

**19:30-22:00 – Welcome Reception**

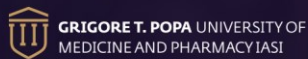


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# BIOSEPT

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# **PSE** Meeting 2022

September  
**19-22**  
Iasi, Romania

**Tuesday**  
**September 20**

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Tuesday, September 20 | 09<sup>00</sup>-11<sup>30</sup>

## SESSION IV

Chairs: Milen I. Georgiev, Sergey B. Zotchev

09:00	<b>PL5: Natural products – paving way from laboratory to cosmetic formulations</b> Ilkay Erdogan Orhan, F. Sezer Şenol Deniz
09:30	<b>PL6: EcoSap: triterpenoid saponins as green solutions for future sustainable food production</b> Søren Bak, Pablo Cardenas, Jan Günther, Jincheng Shen, Konstantina K. Priboyska, Malboro Dervishi, Anja T. Fuglsang, Nina Cedergreen
10:00	<b>IL7: Dereplication of natural products using mass spectrometry integrated approach</b> Syed Ghulam Musharraf, M. Iqbal Choudhary, Atta-ur- Rahman
10:20	<b>IL8: Prenylated phenolics as possible drugs</b> Karel Šmejkal, Martina Fojtíková, Josef Mašek, Milan Malaník, Lenka Molcanova, Jakub Tremel, Pavel Uhrin, Zdenek Travnicek
10:40	<b>IL9: <i>In vitro</i> investigation of chemopreventive potential of plant -derived extracts on breast cancer models</b> Sevinci Pop, Lucian Albuлесcu, Vasile Bercu, Mihaela Neagu, Alexandru Suci, Emilia Manole, Cristiana Tanase
11:00	<b>SL10: Metabolomics-guided transcriptomic approach to elucidate the biosynthesis of tanshinones in two species of <i>Salvia</i> subg. <i>Perovskia</i></b> Monika Bielecka, Marta Stafiniak, Bartosz Pencakowski, Sylwester Ślusarczyk, Jan Paweł Jastrzębski, Łukasz Paukszto, Łukasz Łaczmański, Adam Matkowski
11:15	<b>Symposium: <b>Mecro System; Bruker Daltonics</b></b> <b>Improved identification of natural products by untargeted UPLC-trapped ion mobility-mass spectrometry workflow</b> Martina Macht - Bruker Daltonics

11:30-11:45 – Coffee Break

Tuesday, September 20 | 11<sup>45</sup>-14<sup>05</sup>

## SESSION V

Chairs: Ilkay Erdoğan Orhan, Jianbo Xiao

11:45	<b>PL7: Extraction of phytocannabinoids: an appraisal</b> Satyajit D Sarker, Lutfun Nahar
12:15	<b>PL8: Cannabimimetic drugs: how natural products inspire drug discovery and development</b> Jürg Gertsch
12:45	<b>IL10: New insights into memory-enhancing activities of essential oils (Lamiaceae) in the brain: involving of the cholinergic system and oxidative stress</b> Lucian Hritcu, Luminita Capatina, Edoardo Marco Napoli, Giuseppe Ruberto
13:05	<b>IL11: Identification of a hydroxygallic acid derivative, zingibroside R1 and a sterol lipid as potential active ingredients of <i>Cuscuta chinensis</i> extract that has neuroprotective and antioxidant effects in aged <i>Caenorhabditis elegans</i></b> Shimaa M. A. Sayed, Saleh Alseekh, Karsten Siems, Alisdair R. Fernie, Walter Luyten, Christian Schmitz-Linneweber, Nadine Saul
13:25	<b>SL11: Neglected stereochemistry in Amaryllidaceae alkaloids</b> Jana Kroustkova, Abdullah Al Mamun, Lucie Cahlikova, Jiri Kunes
13:40	<b>SL12: Bioassay-guided isolation and evaluation of anticonvulsant and anxiolytic effects of some <i>Stachys</i> L. and <i>Teucrium</i> L. taxa</b> Kamuran Ileri Ozler, Nihan Carcak Yilmaz, Sura Akat Piskin, Burcin Ergene, Melek Karaaslan, Gülcin Saltan Iscan
13:55	<b>Symposium: Agilrom Scientific</b> <b>Modern techniques for purification of natural product impurities and study of secondary metabolites using mass spectrometry</b> Toma Galaon

14:05-15:00 – Lunch Break

Tuesday, September 20 | 15<sup>00</sup>-16<sup>45</sup>

## SESSION VI

Chairs: Filomena Conforti, Chin Kun Wang

15:00	<b>PL9: Myricetin ameliorated prediabetes via immunomodulation and gut microbiota interaction</b> Li Yang, Jianbo Xiao
15:30	<b>SL13: A-Z superfoods: the nature's best</b> Lutfun Nahar, Satyajit D Sarker
15:45	<b>SL14: New sweet-tasting oleanane-type triterpenoid saponins from <i>Wisteria sinensis</i> roots</b> Samir Hobloss, Antoine Bruguière, David Pertuit, Tomofumi Miyamoto, Chiaki Tanaka, Christine Belloir, Marie-Aleth Lacaille-Dubois, Briand Loïc, Anne-Claire Mitaine-Offer
16:00	<b>SL15: Usage of natural compounds to provide bioactive properties to polymeric materials</b> Mihai Brebu, Elena Stoleru
16:15	<b>SL16: Anti-inflammatory properties of geranylated favonoids from <i>Paulownia tomentosa</i> Steud. fruit</b> Lenka Molčanová, Jakub Tremel, Veronika Brezáni, Miriama Dupláková, Tereza Štaffová, Klára Sušovská, Petr Maršík, Karel Šmejkal
16:30	<b>SL17: Biocompatible hydrogels films with the inclusion complex of beta-cyclodextrin/curcumin immobilized for biomedical applications</b> Camelia Elena Iurciuc (Tincu), Marcel Popa, Lăcrămioara Ochiuz

16:45-17:10 – Coffee Break

**Tuesday, September 20 | 17<sup>10</sup>-18<sup>45</sup>**

## **SESSION VII**

**Chairs: Elwira Sieniawska, Karel Šmejkal**

<b>17:10</b>	<b>PL10: Effect-directed analysis (EDA) – how phytochemical analysis and bioassays help assuring quality and safety of herbal products</b> Evelyn Wolfram
<b>17:40</b>	<b>IL12: Therapeutic approaches of phytocannabinoids in clinical and preclinical studies</b> Bogdan-Ionel Tamba, Gabriela Dumitrița Stanciu, Daniela Carmen Ababei, Raluca Ștefanescu, Cosmin Teodor Mihai, Leontina Elena Filipciuc, Ivona Maria Tudorancea, Ioana Creangă-Murariu, Cătălin-Cezar Cărățașu, Veronica Bild
<b>18:00</b>	<b>SL18: Is it possible to obtain cohesive results of antimicrobial activity of essential oils?</b> Adam Junka, Malwina Brozyna
<b>18:15</b>	<b>SL19: Chemical composition and <i>in vitro</i> bioactivities of <i>Amesiodendron chinense</i> (Merr.) Hu seed oil</b> Chuanchom Khuniad, Jason W. Birkett, Lutfun Nahar, Kenneth J. Ritchie, Satyajit D. Sarker
<b>18:30</b>	<b>SL20: Natural compounds for SARS Cov-2 – What do we know so far?</b> Ruxandra Stefanescu, Andrada Pintea

**Tuesday, September 20**

## **Executive Board Room B, Floor -1**

**14:00 - Phytochemical Society of Europe Large Committee Meeting**

**17:00 - Phytochemical Analysis Editorial Advisory Board Meeting**

Tuesday, September 20 | 18<sup>45</sup>-19<sup>45</sup>

## ePOSTER SESSION

1	<p><b>Biotechnologically produced <i>Harpagophytum procumbens</i> DC. ex Meisn extract: metabolite profiling and cytotoxicity <i>in vitro</i></b></p> <p>Andrey S. Marchev, Ivanka K. Koycheva, Martina S. Savova, Iva D. Stoykova, Milen I. Georgiev</p>
2	<p><b>Collagenase and elastase inhibitions by <i>Rosa damascena</i> and <i>Pelargonium graveolens</i> essential oils</b></p> <p>Betül Demirci, Ayşe Esra Karadağ, Fatih Demirci</p>
3	<p><b>Untargeted screening of plant metabolites based on data-independent and data-dependent acquisition modes using LC-ESI-QTOF-MS: <i>Tribulus terrestris</i> L. as a case study</b></p> <p>Syed Muhammad Zaki Shah, A. Ali, S.G. Musharraf</p>
4	<p><b>Illumination spectra effect on metabolic profile of <i>Salvia yangii</i> B.T. Drew. <i>in vitro</i></b></p> <p>Weronika Kozłowska, Marta Stafiniak, Adam Matkowski, Sylwia Zielińska</p>
5	<p><b>How to feed <i>Komagataeibacter</i> species for the best nanocellulose yield</b></p> <p>Bartosz Pencakowski, Karolina Dydak, Marta Stafiniak, Monika Bielecka, Adam Matkowski</p>
6	<p><b>HPLC-DAD analysis of anthocyanins from <i>Ribes nigrum</i> fruit extracts</b></p> <p>Ruxandra Ștefănescu, Ioana Rasteiu, Monica Sebestyen, Eszter Laczko-Zold</p>
7	<p><b>Ash leaves (<i>Fraxinus excelsior</i> L.) - phytochemical analysis and <i>in vitro</i> evaluation of the anti-inflammatory activity</b></p> <p>M. Koltun-Jasion, P. Sawulska, A. Patyra, MK. Dudek, A.K. Kiss</p>
8	<p><b>Contribution to the conservation of traditional uses of wild edible plants in the region Casa Blanca Settât MOROCCO</b></p> <p>Seloua Essaih, Belkassem El Amraoui, Rekia Belahsen</p>
9	<p><b>Bioactive compounds and antioxidant potential of some <i>Lonicera caerulea</i> L. indigenous berries extracts</b></p> <p>Bogdan Ștefan Negreanu-Pirjol, Ticuța Negreanu-Pirjol, Maria-Virginia Tănase Acreței, Aurora Ranca, Dan Răzvan Popoviciu</p>
10	<p><b>Spirulina as a natural emulgator for oil/water emulsions</b></p> <p>Ivaylo Pehlivanov, Georgi Gavrailov, Krastena Nikolova, Iliana Milkova, Maria Marudova, Vania Gandova, Galia Gencheva, Velichka Andonova</p>

11	<p><b>Olive leaf extracts in green synthesis of Ag nanoparticles for wound dressing materials</b></p> <p>Maria-Gabriela Sibechi, Simina-Andreea Laslău, Iustina-Petronela Dițu, Isabella Nacu (Cobzariu), Maria Butnaru, Liliana Vereștiuc</p>
12	<p><b>Phytosociological study Note II. Comparative phytochemical analysis for <i>Hyperici herba</i> and lemon balm folium introduced in the phytosociological study</b></p> <p>Emanuela Alice Luta, Andrei Bita, Alina Moroșan, Dan Eduard Mihăiescu, Cerasela Elena Gird</p>
13	<p><b>An ethnobotanical study of wild medicinal plants in Republic of Moldova</b></p> <p>Nina Ciocârlan, Veaceslav Ghendov, Tatiana Izverscaia</p>
14	<p><b><i>Verbascum nigrum</i> L. extracts with selective cytotoxicity and synergy with doxorubicin in A431 human skin cancer cells</b></p> <p>Iolanda Iliescu, Samuel Peter, Ina Albert, Krystyna Skalicka-Woźniak, Simon Luca Vlad, Liliana Vereștiuc, Maria Butnaru, Evelyn Wolfram Schilling, Anca Miron</p>
15	<p><b>Induction of apoptosis and cell cycle modulation by <i>Ulmus glabra</i> bark extracts in different cell lines</b></p> <p>Gabriela Vochița, Elena Ionescu, Carmen Elena Tebrencu, Oana Teodora Apreutesei, Cosmin-Teodor Mihai, Daniela Gherghel</p>
16	<p><b>Physicochemical properties and moisturizing effect of a cosmeceutical cream with <i>Centaurea cyanus</i> flower water</b></p> <p>Magdalena Bîrsan, Cătălina Daniela Stan, Alin Viorel Focșa, Paula Antonoaea, Robert Alexandru Vlad, Nicoleta Todoran, Adriana Ciurba</p>
17	<p><b>The total content of hydroxycinnamic acids in the aerial parts of agrimony and chicory</b></p> <p>Maria Cojocaru-Toma, Nicolae Ciobanu, Cristina Ciobanu, Anna Benea, Angelica Ohindovschi, Mihaela Nartea, Ana Orleoglo</p>
18	<p><b>Exposure to non-thermal plasma activated water and cold stress to improve the antioxidant potential of sprouted wheat</b></p> <p>Ana Clara Aprotosoai, Crăița Roșu, Alexandru Mandici, Daniel Eusebiu Crețu, Tudor George Aostacioaiei, Dragoș Astanei, Denis Constantin Țopa, Radu Burlica, Anca Miron</p>
19	<p><b>Characterisation of <i>Artemisia lancea</i> ethanolic extract based on antifungal potential and phytochemical profile</b></p> <p>Crăița-Maria Roșu, Laurian Vlase, Bianca Ivănescu</p>
20	<p><b>Chemical and biological study of some <i>Teucrium</i> species from Romania</b></p> <p>Ioana Humulescu, Oana Cioancă, Radu Iliescu, Anca Miron, Adriana Trifan, Ana Clara Aprotosoai, Monica Hăncianu</p>

21	<p><b>Evaluation of the irritative potential of snail (<i>Helix aspersa</i>) mucin extract in the HET-CAM test</b> Vira Turkina, Natalia Chemodurova</p>
22	<p><b>New uses for food products</b> Ionela-Daniela Morariu, Bogdan-Gabriel Şlencu, Branco-Adrian Morariu, Liliana Avasilcăi</p>
23	<p><b>NMR-based metabolomics to study specialized metabolism variability in plants: a case study of seasonal phytochemical changes in selected officinal plants</b> Monica Scognamiglio, Brigida D'Abrosca, Antonio Fiorentino</p>
24	<p><b>Anti-adipogenic activity of maackiain and ononin is mediated via inhibition of PPAR<math>\gamma</math> in human adipocytes</b> Saveta G. Mladenova, Martina S. Savova, Andrey S. Marchev, Milen I. Georgiev</p>
25	<p><b>Combination of <i>Pimpinella anisum</i> L. and <i>Eucalyptus globulus</i> L. essential oils and toxicity evaluation</b> Gözde Öztürk, Fatih Demirci, Betül Demirci</p>
26	<p><b>Exploring the anti-diabetic and anti-inflammatory effects of lignans coming from wood waste materials</b> Andrzej Patyra, Małgorzata Kołtun-Jasion, Julie Schwartz, Eloise Malle, Anna K. Kiss, Catherine Oiry</p>
27	<p><b>Yerba mate (<i>Ilex paraguariensis</i>) and matcha (<i>Camellia sinensis</i>) extracts - multifunctional active ingredients of skin protecting cosmetic formulations</b> M. Szczepanik, K. Gawel-Beben, K. Czech, W. Kukula-Koch</p>
28	<p><b>Phenolic profile, antimicrobial and diuretic activities of <i>Thymus comosus</i> Heuff. ex Griseb herbal preparations</b> Mihai Babotă, Oliviu Voştinaru, Oleg Frumuzachi, Andrei Mocan, Gianina Crişan</p>
29	<p><b><i>In vivo</i> &amp; <i>in vitro</i>-derived <i>Corydalis cheilanthifolia</i> - a powerful tool against multi-drug resistant human pathogens</b> Karolina D. Szyrner, Aleksandra Sobiecka, Mayra Galarza Perez, Adam Junka, Pawel Krzyzek, Weronika Kozłowska, Christian Zidorn, Adam Matkowski, Sylwia Zielinska</p>
30	<p><b>Characterization of composition and assessment of vascular protective effects of black chokeberry extracts in mice aortas</b> Valentina Buda, Ioana Zinuca Pavel, Zorita Diaconeasa, Mariana Nela Ştefănuţ, Anca Bina, Cristina Adriana Dehelean, Danina M. Muntean, Adrian Sturza, Corina Danciu</p>
31	<p><b>Antibacterial effects of phytochemicals from <i>Ocimum gratissimum</i></b> Elisabeth L. Ndjengue Mindang, Douglas Kemboi, Xavier Siwe-Noundou, Charline F. Awounfack, Derek T. Ndinteh, Dieudonne Njamen, Rui W. M. Krause</p>

32	<b>Variation of main phenolic compounds in <i>Agrimoniae herba</i></b> Galina Dimova, Velislav Kotevski, Iliya Zhelev
33	<b>New findings regarding phytochemical and bioactive profile of <i>Hypericum</i> species from romanian spontaneous flora: case of <i>H. alpigenum</i>, <i>H. perforatum</i> and <i>H. rochelii</i></b> Ramona Păltinean, Mihai Babotă, Oleg Frumuzachi, Andrei Mocan, Mircea Tămaș, Alexandru Sabin Bădărău, Gianina Crișan
34	<b>The biological activity of bark extracts from <i>Quercus</i> species</b> Corneliu Tanase, Mihai Babotă, Alexandru Nicolescu, Adrian Nișca, Ruxandra Ștefănescu, Anca Delia Mare, Cristina Nicoleta Ciurea, Andrei Mocan, Adrian Man
35	<b>Effect of grape seed powder on noodle quality and its mechanism</b> Shengxiong Chen, Zhaojun Wei, Jianbo Xiao
36	<b>LC-HRMS/MS analysis and potential antitumor effects of <i>Vernonia kotschyana</i> Sch. Bip. ex Walp extracts</b> Alexandru Vasincu, Ioana-Mirela Vasincu, Veronica Bild, Daniela-Carmen Ababei, Răzvan-Nicolae Rusu, Simon Vlad Luca, Christiana Charalambous, Krystyna Skalicka-Woźniak, Anca Miron
37	<b>Influence of pedoclimatic conditions on bioactive compounds content from different plant organs extracts of <i>Taraxacum</i> sp.</b> Maria-Virginia Tănasă (Acreștei), Ticuța Negreanu-Pirjol, Dan Răzvan Popoviciu, Bogdan-Ștefan Negreanu-Pirjol, Natalia Rosoiu
38	<b>Phenolic content and <i>in vitro</i> antioxidant activity of three <i>Russula</i> species</b> Daniela Elena Zavastin, Simona Petronela Gherman, Anca Miron
39	<b>Chemical composition of the ethanolic extract of the aerial parts and flowers of <i>Hypericum perforatum</i> L. from Republic of Moldova</b> Anna Benea
40	<b>The antioxidant activity of <i>Solidago</i> L. species from the Republic of Moldova flora</b> Cornelia Fursenco
41	<b>Effect of non-thermal plasma activated water on the accumulation of bioactive compounds in wheat sprouts</b> Alexandru Mandici, Daniel Eusebiu Crețu, Tudor George Aostăcioaiei, Dragoș Astanei, Denis Constantin Țopa, Anca Miron, Radu Burlică
42	<b>Anticandidal activity of <i>Calamintha menthifolia</i> Host. essential oil</b> Natalia Vorobets, Halyna Yavorska



43	<b>Analysis of the elemental composition of <i>Actinidia arguta</i> Lindl. leaves</b> Nadiia Kovalska, Uliana Karpiuk, Nadiia Skrypchenko, Tatiana Stasiv
44	<b>Phytopharmacognostic standardization of <i>Chamaenerion angustifolium</i> (L.) Scop. leaves</b> Kateryna Uminska, Olha Mykhailenko
45	<b>Prospects for using species of the genus <i>Pentaphylloides duham</i> in phytotherapy</b> Tetiana Kostashchuk, Andriy Grytsyk
46	<b>Study of neurotropic properties of herbal extracts of <i>Artemisia</i> species</b> Roman Hrytsyk
47	<b>Comparison of the chemical composition of lipophilic extracts of <i>Lycoperdon pyriforme</i> Schaeff. and <i>Scleroderma aurantiacum</i> L. ex Pers</b> Lidiia V. Panchak, Ivan M. Korabel, Alina R. Zyn, Volodymyr O. Antonyuka
48	<b>HPLC analysis of catechins in <i>Quercus rubra</i> and <i>Parthenocissus quinquefolia</i> raw materials</b> Olena Konovalova, Iryna Hurtovenko, Tetiana Omelkovets, Bohdana Yashchuk

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# PSE Meeting 2022

September  
**19-22**  
Iasi, Romania

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**September 21**

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Wednesday, September 21 | 09<sup>00</sup>-11<sup>20</sup>

## SESSION VIII

Chairs: Randolph Arroo, Evelyn Wolfram

09:00	<b>PL11: Antibacterial potential of <i>Rhodiola rosea</i></b> Ajda Kunčič, Ivana Turek, Katarina Šimunović, Fabian Alperth, Sonja Smole Možina, Franz Bucar
09:30	<b>PL12: Obesity management potential of plant natural compounds: from <i>in vitro</i> (human adipocytes) to <i>in vivo</i> (<i>Caenorhabditis elegans</i>) studies</b> Milen I. Georgiev, Martina S. Savova, Saveta G. Mladenova
10:00	<b>IL13: Alimurgic plants and healthy role of their phytochemical compounds on metabolic disorders</b> Giancarlo Statti, Mariangela Marrelli, Pinarosa Avato, Filomena Conforti
10:20	<b>SL21: Fruits of <i>Hippophaë rhamnoides</i> – preventive role in lipopolysaccharide leakage, epithelial inflammation, and glucose transport in CACO-2 and human neutrophils models</b> Anna K. Laskowska, Aleksandra Wilczak, Weronika Skworońska, Piotr Michel, Matthias F. Melzig, Monika E. Czerwińska
10:35	<b>SL22: Fruit waste as a source of active compounds with cosmetic significance</b> Katarzyna Gawel-Beben, Paulina Lechwar, Magdalena Lasota, Karolina Czech, Marcin Czop, Virginia Kukuła-Koch
10:50	<b>Symposium: Antibiotice SA</b> <b><i>Lavandula angustifolia</i> extracts: antimicrobial, antifungal and antioxidant properties with applicability in cosmetics</b> Elena-Claudia Creliuc

11:20-11:40 – Coffee Break

Wednesday, September 21 | 11<sup>40</sup>-14<sup>00</sup>

## SESSION IX

Chairs: Franz Bucar, Monika E. Czerwińska

11:40	<b>PL13: Natural products - quest for novel intervention strategy in prophylaxis and treatment of <i>Helicobacter pylori</i> infections</b> Izabela Korona-Główniak
12:10	<b>PL14: Phytochemicals interactions: a tool to improve the bioavailability and health benefits</b> Chin-Kun Wang
12:40	<b>IL14: Current scientific evidence of the biomolecular potential of selective herbal extracts</b> Oana Cioanca, Corina Danciu, Cristina Dehelean, Silvia Robu, Daniela Morariu, Monica Hancianu
13:00	<b>SL23: Determination of molecular targets of natural compounds: <i>in silico</i> and <i>in vitro</i> approaches</b> Nadire Özenver, Thomas Efferth
13:15	<b>SL24: Valorisation of licorice (<i>Glycyrrhizae</i>) roots: antimicrobial activity and cytotoxicity of prenylated (iso)flavonoids and chalcones from licorice spent (<i>G. glabra</i>, <i>G. inflata</i>, and <i>G. uralensis</i>)</b> Sarah van Dinteren, Jocelijn Meijerink, Renger Witkamp, Bo van Ieperen, Jean-Paul Vincken, Carla-Araya Cloutier
13:30	<b>SL25: Anxiolytic, antidepressant and antioxidant profile of cotinine and 6-hydroxy-L-nicotine in a rat model of Alzheimer disease</b> Răzvan Ștefan Boiangiu, Marius Mihășan, Lucian Hrițcu
13:45	<b>SL26: Analysis of metformin and five gliptins in counterfeit herbal products: designs of experiment screening and optimization</b> Wadhah Atef Salem, Ehab Farouk Elkady, Marwa Ahmed Fouad, Mohammad Abdul-Azim Mohammad

14:00-15:00 – Lunch Break

Wednesday, September 21 | 15<sup>00</sup>-16<sup>55</sup>

## SESSION X

Chairs: Pinarosa Avato, Carla Araya Cloutier

15:00	<p><b>PL15: Amaryllidaceae alkaloids and their semisynthetic derivatives as inspiration for medicinal chemistry</b> Lucie Cahlíková, Abdullah Al Mamun, Ondřej Jandourek, Aneta Ritomská, Jana Křoustková, Daniela Hulcová, Radim Havelek</p>
15:30	<p><b>IL15: Quantitative structure-activity relationships of prenylated (iso)flavonoids and isothiocyanates as antimicrobial agents</b> Sylvia Kalli, Silvia Andini, Jean-Paul Vincken, Carla Araya-Cloutier</p>
15:50	<p><b>IL16: Pyrrolizidine alkaloids as contaminants in herbal drugs and extracts – HRMS based identification and determination including isomeric structures</b> Alexander Schenk</p>
16:10	<p><b>SL27: NMR profiling-guided isolation of potentially bioactive oleanane saponins from <i>Bellis sylvestris</i> Cyr.</b> Monica Scognamiglio, Angela Sorice, Giovanna Valentino, Brigida D'Abrosca, Antonio Fiorentino</p>
16:25	<p><b>SL28: There is no burdock like a burdock</b> Milan Malaník, Jitka Křížová, Kateřina Dadáková, Klára Přibáňová, Karel Šmejkal</p>
16:40	<p><b>SL29: Main secondary metabolites of the anise hyssop herb evaluated by different chromatographic techniques</b> Mariia Shanaida, Izabela Jasicka-Misiak, Ivanna Kernychna, Tetiana Gontova, Piotr P. Wiczorek</p>

**16:55-17:15 – Coffee Break**

Wednesday, September 21 | 17<sup>15</sup>-18<sup>40</sup>

## SESSION XI

Chairs: Adam Matkowski, Alexander Schenk

17:15	<b>PL16: RNAseq as a molecular tool to decipher the pharmacologic activities of hops</b> Günter Vollmer
17:45	<b>IL17: QSAR models for assessing the biological effects of natural products</b> Robert Ancuceanu
18:05	<b>IL18: Use of disposable analytical tools in natural compounds assessment – versatility and sensitivity versus analytical resolution</b> Simona Carmen Litescu Filipescu, Georgiana Ileana Badea, Andreia Alecu, Camelia Albu, Ana Chira, Mirela Diaconu, Gabriel-Lucian Radu
18:25	<b>SL30: Comparison of volatile and semi-volatile components in Valerian hydroalcoholic extract and essential oil</b> Larisa-Mălina Cătăuță, Alexander Schenk



Wednesday, September 21 | 18<sup>40</sup>-19<sup>40</sup>

## ePOSTER SESSION

49	<b>Prenylated flavonoids combating mycobacteria</b> Gabriela Škovranová, Marie Čulenová, Lenka Molčanová, Jakub Tremel, Fabian Alperth, Franz Bucar, Alice Sychrová
50	<b>Betulinic acid decreased glucose-induced lipid accumulation in <i>Caenorhabditis elegans</i> via modulation of <i>nhr-49</i> expression</b> Martina S. Savova, Monika N. Todorova, Apostol G. Apostolov, Galina T. Yahubyan, Milen I. Georgiev
51	<b>Is there a power behind the throne of DEEP PURPLE? - <i>Basella alba</i> in vitro cultures</b> Weronika Kozłowska, Justyna Żołyńska, Joanna Kolniak-Ostek, Adam Matkowski, Sylwia Zielińska
52	<b>In vitro/in vivo antioxidant and hepatoprotective activity of <i>Phlomis tuberosa</i></b> Aleksandar Shkondrov, Aleksandra Ivanova, Magdalena Kondeva-Burdina, Ilina Krasteva
53	<b>In silico and in vitro studies on the anticoronavirus activity of <i>Graptopetalum paraguayense</i> E. Walter</b> Nina Stoyanova, Nadezhda Todorova, Miroslav Rangelov, Petya Genova-Calou, Venelin Enchev, Nadezhda Markova
54	<b>Immunological effect of modern hydrogels containing polymeric micelles as drug delivery systems for oregano essential oil</b> Brigitta Kis, Valentina Buda, Ștefana Avram, Tobias Burkard, Martina Herrero San Juan, Heinfried H. Radeke, Ana Maria Mut, Lavinia Vlaia, Cristina Dehelean, Corina Danciu
55	<b>Polyphenols-loaded gastro-resistant complex particles based on biopolymers with biomedical applications</b> Camelia Elena Iurciuc (Tincu), Marcel Popa, Lăcrămioara Ochiuz
56	<b>Chemical content and anti-inflammatory potential of sulfated polysaccharides from <i>Cladophora Vagabunda</i> seaweed</b> Alexandra Gaspar-Pintiliescu, Ana-Maria Seciu-Grama, Elena Mihai, Otilia Zarnescu, Oana Crăciunescu
57	<b>Extraction optimization of phycocyanin from spirulina, obtained by green methods</b> Georgi Gavrailov, Ivaylo Pehlivanov, Nadezda Petkova, Galia Gencheva, Krastena Nikolova, Velichka Andonova

58	<b>Knotweed genetic identity verification for the pharmaceutical industry</b> Marta Stafiniak, Anna Jezierska-Domaradzaka, Paweł Karpiński, Bartosz Pencakowski, Monika Bielecka, Adam Matkowski
59	<b>Influence of extraction solvent on the chemical profile, antioxidant and antifungal activities of two <i>Artemisia</i> species</b> Bianca Ivănescu, Clara Aprotosoae, Andreia Corciova, Laurian Vlase, Crăița-Maria Roșu
60	<b>Natural products in dermatophytosis: the case of honokiol and magnolol</b> Alexandra Jităreanu, Simon Vlad Luca, Andra-Cristina Bostănar, Mihai Mareș, Monika E. Czerwinska, Lăcrămioara Ochiuz, Camelia Elena Iurciuc (Tincu), Camelia Ștefanache, Oana Cioancă, Adriana Trifan
61	<b>Pharmacognostic profile of <i>Cassia occidentalis</i> (L.) link species grown in the climate conditions of the Republic of Moldova</b> Tatiana Calalb, Cornelia Fursenco
62	<b><i>Helichrysum</i> species from the Republic of Moldova</b> Maria Cojocaru-Toma, Mihaeala Nartea
63	<b>Secondary phenolic metabolites quantified in extracts obtained from <i>Lysimachia nummularia</i> L.</b> Felicia Suci, Cosmin Adrian Roșca, Antoanela Popescu, Iuliana Stoicescu, Victoria Badea
64	<b>Comparative polyphenolic, flavonoid and anthocyanin content and antioxidant activities of pomegranate juice and seeds</b> Varga Erzsébet, Birtalan Noémi, Fülöp Ibolya
65	<b>Polyphenolic profile and biological activities of some bark extracts obtained from <i>Sorbus aucuparia</i> L.</b> Daniela Gherghel, Elena Ionescu, Carmen Elena Tebrencu, Oana Teodora Apreutesei, Cosmin-Teodor Mihai, Gabriela Vochița
67	<b>Electrospun pullulane/polyvinylpyrrolidone nanofibers loaded with green synthesized silver nanoparticles</b> Irina Macovei, Diana Serbezeanu, Alexandra Bargan, Florica Doroftei, Cristina Rimbu, Andreia Corciova, Anca Miron
68	<b>Benefits of sea buckthorn oil supplementation on clinical outcomes, physical function and inflammatory biomarkers in patients with active rheumatoid arthritis: a clinical study</b> Georgeta Zugravu, Anca Miron
69	<b>Enhancing the nutritional and bioactive potential of sprouted grains: a focus on non-thermal plasma activated water technology</b> Anca Miron, Alexandru Mandici, Cristina Lungu, Daniel Eusebiu Crețu, Dragoș Astanei, Radu Burlică, Ana Clara Aprotosoae

70	<p><b>Myconoside, isolated from <i>Haberlea rhodopensis</i>, ameliorate UVA/UVB-induced changes in human keratinocytes</b></p> <p>Iva Stoykova, Ivanka Koycheva, Biser Binev, Milen I. Georgiev</p>
71	<p><b>Endophytic fungi of <i>Salvia abrotanoides</i> and <i>Salvia yangii</i> – a potential alternative source for plant bioactive metabolites</b></p> <p>Monika Bielecka, Bartosz Pencakowski, Marta Stafiniak, Sylwester Ślusarczyk, Adam Matkowski, Agata Kaczmarek-Pieńczywska, Beata Zimowska, Rosario Nicoletti</p>
72	<p><b>Lalley leaves: its antibacterial effects on vaginal infections</b></p> <p>Enwa Felix Oghenemaro, Ladu Exalt Erhomosere</p>
73	<p><b><i>In vivo</i> evaluation of the wound healing potential of some ointments based on vegetal extracts</b></p> <p>Cristina Lungu, Călin Vasile Andrițoiu, Bianca Ivănescu, Laurian Vlase, Corina Andriescu, Constanța Ibănescu, Cornel Havarneanu, Marcel Popa</p>
74	<p><b>Influence of pulse electric field (PEF) on grow and compounds concentration in <i>Iris domestica</i> species (syn. <i>Belamcanda chinensis</i>), Iridaceae</b></p> <p>Sylwester Ślusarczyk, Kajetan Grzelka, Adam Matkowski</p>
75	<p><b>Absolute configuration and protein tyrosine phosphatase 1B inhibitory activity of xanthoepocin, a dimeric naphthopyrone from <i>Penicillium</i> sp. IQ-429</b></p> <p>Ingrid Y. Martínez-Aldino, Martha Villaseca-Murillo, Jesús Morales-Jiménez, José Rivera-Chávez</p>
76	<p><b><i>In vitro</i> anti-inflammatory activities of <i>Mentha spicata</i>, <i>Rosmarinus officinalis</i> and rosmarinic acid</b></p> <p>Sevde Nur Biltekin Kaleli, Ayşe Esra Karadağ, Fatih Demirci</p>
77	<p><b>Phytochemical analysis of phenolic compounds from <i>Quercus cortex</i></b></p> <p>Velislav Kotevski, Galina Dilova, Iliya Zhelev</p>
78	<p><b>Plant metabolite-enriched bacterial-nano-cellulose as efficient carrier system against microbial pathogens</b></p> <p>Sylwia Zielińska, Monika Czerwińska, Monika Wójcik, Magdalena Dziągwa-Becker, Adam Matkowski, Adam Junka</p>
79	<p><b>Comparative evaluation of phenolic profile and bioactive potential of five wild thyme species from Romanian spontaneous flora</b></p> <p>Mihai Babotă, Oleg Frumuzachi, Andrei Mocan, Ramona Păltinean, Gianina Crișan</p>
80	<p><b>Phytochemical and biological characterization of two <i>Cynara scolymus</i> L. varieties: a glance into their potential large scale cultivation and valorization as bio-functional ingredients</b></p> <p>Cristina Ciobanu, Adriana Trifan, Lukasz Kulinowski, Gokhan Zengin, Monika E. Czerwinska, Sebastian Granica, Krystyna Skalicka-Wozniak, Simon Vlad Luca</p>

81	<b>Evaluation of the antioxidant activity and UV protection capacity of an extract of <i>Helichrysum arenarium</i> (L.) Moench flowers</b> Horia Ionuț Tănase, Mirela Mihaela Bratu, Marius Daniel Radu
82	<b>The antiradical and antibacterial activities of <i>Usnea barbata</i> (L) Weber ex F.H. Wigg ethanol extract</b> Violeta Popovici, Laura Bucur, Antoanela Popescu, Verginica Schroder, Victoria Badea
83	<b>Phenolic profile and antioxidant properties of <i>Momordica charantia</i> L. grown in Romania</b> Eszter Laczkó Zöld, Larisa Melinda Toth, Lenard Farczadi, Ruxandra Ștefănescu
84	<b><i>Tanacetum vulgare</i> L. - a promising alternative to allopathic therapy</b> Maria Lucia Mureșan, Daniela Bîrca, Felicia Gligor
85	<b>Researches concerning anti-ulcer effects of <i>Vernonia kotschyana</i> Sch. Bip. ex Walp extracts</b> Alexandru Vasincu, Ioana-Mirela Vasincu, Anca Miron, Daniela-Carmen Ababei, Răzvan-Nicolae Rusu, Oana-Dana Arcan, Delia Bulea, Monica Neamțu, Veronica Bild
86	<b>Essential oils in the management of skin conditions</b> Camelia P. Ștefanache, Valentin Grigoraș, Ruxandra M. Crețu, Adriana Trifan
87	<b>New qualitative HPTLC method and new marker compounds for an herbal medical product including 10 different plant extracts</b> Adina Grasu, Alexander Schenk
88	<b>Investigation of allergenicity of <i>Vaccinium corymbosum</i> L. shoots aqueous extract</b> Natalia Vorobets, Vira Turkina, Natalia Yavorska
89	<b>Food antioxidants – a source of health and beauty</b> Liliana Avasilcăi, Bogdan-Gabriel Șlencu, Branco-Adrian Morariu, Ionela-Daniela Morariu
90	<b>Plant-derived polyphenols: chemical structure and biological activity</b> Ioana Victoria Platon, Ana Clara Aprotosoiaie, Irina Elena Raschip, Maria Valentina Dinu
91	<b>Total polyphenol content in <i>Galium verum</i> L. species by different extraction methods</b> Angelica Ohindovschi, Maria Cojocaru-Toma, Tatiana Calalb, Nicolae Ciobanu
92	<b>Natural phenolic compounds as regulators of bacterial metabolism</b> Naomi Eunicia Pavăl, Mihai Covasă, Mihai Dimian, Andrei Lobiuc
93	<b>Biological evaluation of the antioxidant and antimicrobial activity of the ethanolic extracts and AgNPs for <i>Equisetum pratense</i>, <i>Equisetum sylvaticum</i> and <i>Equisetum telmateia</i></b> Denisa Batir-Marin, Cornelia Mircea, Andreia Corciova, Oana Cioancă, Ana Flavia Burlec, Cristina Gabriela Tuchiluş, Monica Boev, Monica Hăncianu

94	<b>Screening studies on the antimicrobial properties of <i>Gentiana asclepiadea</i> root extract</b> Natalia Hrytsyk, Roman Kutsyk
95	<b><i>Crocus</i> and <i>Iris</i> extracts with anti-inflammatory properties</b> Olha Mykhailenko, Dmytro Lytkin, Victoriya Georgiyants
96	<b>Emulsion development for dry hair care</b> Lyubov Grytsyk, Tetiana Kostashchuk, Nataliia Dubel
97	<b>Purification of fatty oil, lectin and a fraction rich in triterpenoids from the seeds of <i>Amaranthus caudatus</i> L. in one technological cycle</b> Ivan M. Korabel, Lidia V. Panchak, Alina R. Zyn, Volodymyr O. Antonyuk
98	<b>Study on the phenolic compounds from the herb of <i>Alchemilla phlegophila</i> Juz.</b> Andriy Grytsyk, Nataliia Dubel, Lyubov Grytsyk
99	<b>Distribution of species from <i>Melampyrum</i> genus on the territory of Ukraine</b> Andriy Grytsyk, Victoria Rieznik
100	<b>Influence of a maitake mushrooms thick extract on oxidative stress indicators in rats with acetaminophen hepatitis</b> Iryna Herasymets, Liudmila Fira, Ihor Medvid
101	<b>Development of honokiol - loaded mesoporous silica systems</b> Mousa Sha'at, Alexandra Bujor, Maria Ignat, Diana-Cezarina Petrescu, Cristina Mihaela Ghiciuc, Monica-Iliuța Stamate, Lăcrămioara Ochiuz

**20:00 – Festive Dinner**

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# PSE Meeting 2022

September  
**19-22**  
Iasi, Romania

**Thursday**  
**September 22**

[www.psemeetingiasi2022.eu](http://www.psemeetingiasi2022.eu)





Thursday, September 22 | 09<sup>00</sup>-10<sup>45</sup>

## SESSION XII

Chairs: Søren Bak, Izabela Korona-Głowniak

09:00	<b>PL17: Use of herbal appetite suppressants to aid weight loss</b> Yannan Jin, Dhvani H Kuntawala, Randolph RJ Arroo
09:30	<b>IL19: A sticky gold from Papaveraceae or just yellow stuff? On the antimicrobial potential of isoquinoline alkaloids from plant <i>in vitro</i> culture</b> Sylwia Zielińska, Adam Junka, Karolina D. Szyrner, Adam Matkowski
09:50	<b>SL31: Metabolic control of alkaloids in <i>Catharanthus roseus</i> in response to different root zone temperatures</b> Sonia Malika, Sara A.L.Andradeb, Alexandra C.H.F.Sawayab, Alexandra Bottcherb, Paulo Mazzaferab
10:05	<b>SL32: <i>Scutellaria baicalensis</i> (Baikal skullcap) plant growth and synthesis of secondary metabolites increased by electroporation</b> Kajetan Grzelka, Sylwester Ślusarczyk, Adam Matkowski
10:20	<b>Symposium: O.F. Systems</b> <b>Purification with Flash Chromatography Systems</b> Senol Sen

10:45-11:10 – Coffee Break

**Thursday, September 22 | 11<sup>10</sup>-13<sup>30</sup>**

## **SESSION XIII**

**Chairs: Satyajit D. Sarker, Günter Vollmer**

<b>11:10</b>	<b>PL18: Transcriptome sequencing for individualized natural product-based therapy of multidrug-resistant tumors</b> Thomas Efferth
<b>11:40</b>	<b>PL19: The impact of low hyperforin St. John's wort extract Ze 117 on stress induced changes in plasma membrane lipids</b> Veronika Butterweck
<b>12:10</b>	<b>IL20: Cannabinoids: liquid-liquid chromatography separation and bioactivity evaluation</b> Simon Vlad Luca, Katarzyna Gawel-Beben, Mirjana Minceva
<b>12:30</b>	<b>IL21: Aloe vera extracts-based scaffolds for wound dressing applications</b> Liliana Verestiuc, Bianca Mihoc, Andreea Vasiliu, Maria Butnaru, Marin Zagnat
<b>12:50</b>	<b>SL33: Hydroacetic fruit extracts with potential cardiovascular benefits</b> Alexandra Bujor, Perle Totoson, Corine Girard, Celine Demougeot, Kerstin Jurk, Stephanie Makhoul, Simon Vlad Luca, Krystyna Skalicka-Wozniak, Lăcrămioara Ochiuz, Anca Miron
<b>13:05</b>	<b>PSE Meeting Awards</b>

**13:30-14:30- Break**

Thursday, September 22 | 14<sup>30</sup>-17<sup>05</sup>

**NATURAL PRODUCTS IN LIFE-STYLE DISEASES  
ADVANCES AND PERSPECTIVES**

Session in Romanian language

14:30	Welcome message
14:45	<b>Symposium: Fares</b> <b>The efficiency of vegetal products - volatile oils and medicinal plants in the management of viral respiratory infections</b> Carmen Manciu
15:00	<b>Symposium: Fiterman</b> <b>Increased benefits from innovative formulations of classical products for sleep disorder and immune boost</b> Roxana Lupuleasa
15:15	<b>The benefits of phytotherapy in osteoarticular diseases</b> Cerasela Elena Gird
15:30	<b>Symposium: PlantExtrakt</b> <b>Handy Gemotherapy for pharmacists</b> Irimia Ioana Alexandra
15:40	<b>St. John's wort – therapeutic option in depression symptoms</b> Alexander Schenk
15:55	<b>Symposium: Herbagetica</b> <b>Phytotherapy always surprising</b> Anca Miron, Ana Clara Aprotosoae
16:25	<b>The role of natural antioxidants in the complex treatment of metabolic syndrome</b> Cristina-Maria Gavrilesu
16:40	<b>Symposium: Dacia Plant</b> <b>Traditional and modern phytoformulations</b> Oana Cioancă
16:50	<b>The effects of phytochemicals in the prevention of brain aging: a clinical approach</b> Ana Clara Aprotosoae





**Organizer:**



**EVENT MANAGEMENT:**



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