



JULY 14-15, 2025
IN LISBON | PORTUGAL
UNIVERSIDADE LUSÓFONA

IV.BIO.NATURAL CONFERENCE _2025

BIOACTIVE NATURAL PRODUCTS
RESEARCH CONFERENCE



UNIVERSIDADE LUSÓFONA ECTS ESCOLA DE CIÊNCIAS E TECNOLOGIAS DA SAÚDE

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Day 1

Monday, July 14, 2025

Room

@ Auditório Agostinho da Silva

08:30–09:00

Registrations & Conference Materials Pickup

09:00–09:15

Opening: Manuel J. Damásio, Universidade Lusófona Administration, Luis Monteiro Rodrigues, CBIOS Director, Patrícia Rijo (Bio.Natural Chair)

Session chairs:

Patrícia Rijo, Universidade Lusófona, Portugal
Paula Castilho, Madeira University, Portugal

Keynote Speaker

09:15–09:45

Thomas Efferth, Johannes Gutenberg University, Mainz, Germany
Artificial intelligence in natural product-based research and teaching

09:45–10:00

Wirginia Kukula-Koch, Medical University of Lublin, Poland
New perspectives on isolation protocols and pharmacological potential of Glucosinolates and Lepidilines derived from Lepidium peruvianum

10:00–10:15

Nazim Sekeroglu, Gaziantep, Türkiye
Novel natural sustainable resources from crop by-products for cosmetics industry: Distinguished seed and kernel oils

10:15–10:30

Annalisa Chiavaroli, University G. d'Annunzio, Italy
Investigation of the chemical composition and biological activities of Eremurus spectabilis M. Bieb

10:30–10:45

Ilkay Erdogan Orhan, Lokman Hekim University, Turkey
Exploration of bioactive plant compounds for nanocosmetic formulations

10:45–11:00

Andrea Primavera, Italian Federation Of Medicinal and Aromatic Plants Growers, Italy
Medicinal and aromatic plants: an overview on Italian market and major challenges for growers and processors in EU

11:00–11:30

Coffee Break and Posters

Session chairs

Ana Cristina Figueiredo, Faculdade de Ciências da Universidade de Lisboa, Portugal
Maria M. M. Santos, Faculdade de Farmácia da Universidade de Lisboa, Portugal

Keynote Speaker

11:30–12:00

Michael Heinrich, UCL School of Pharmacy, University College London, United Kingdom
In the shade of a cork oak: Globalized bioactive natural products under changing environmental and climatic condition

12:00–12:15

Funda Yalçın, Hacettepe University, Turkey
ESCAP: Who are we, what do we do, and what can we do more?

12:15–12:30

Loh Teng-Hern Tan, Research Centre for Life Science and Healthcare, Nottingham Ningbo, China
Bioprospecting mangrove-derived Streptomyces for multifunctional bioactivities: Anticancer, antimicrobial, antibiofilm, and UV-protective activities

12:30–12:45

Aref Abu Rabia, Ben Gurion University of the Negev, Israel
Medicinal plants and mania treatment in the middle east

12:45–13:00

Sornkanok Vimolmangkang, Chulalongkorn University, Bangkok, Thailand
Additive antibacterial and anti-inflammatory effects of Cannabis sativa and propolis extracts for potential use in sore throat relief

13:00–14:30

Lunch Break

Session chairs

Célia Cabral, Faculdade de Medicina da Universidade de Coimbra, Portugal
Ilkay Erdoğan Orhan, Lokman Hekim University, Turkey

Keynote Speaker

14:30–15:00

Alvaro Viljoen, Tshwane University of Technology, Arcadia, Pretoria, South Africa
From ancestral knowledge to global recognition: the future of African traditional medicine

15:00–15:15	Francisco Estevez , Universidad de Las Palmas de Gran Canaria, Spain <i>Influence of the heterocyclic substituents on the 1,3 diphenylpropenone core on the viabilities of human leukaemia cells</i>
15:15–15:30	Fabio Boylan , Trinity College Dublin, Ireland <i>Small doses, big promises: Exploring therapeutical potential beyond major constituents in essential oils</i>
15:30–15:45	Umesh Patil , Dr. Harisingh Gour Vishwavidyalaya [A Central University], India <i>Ethnopharmacology and indian medicinal plant heritage: A rasayana learning legacy for skin protection</i>
15:45–16:00	Mónica Zuzarte , Universidade de Coimbra, Portugal <i>Transdermal delivery of natural cardioprotective compounds: an innovative strategy based on plant extracellular vesicles</i>
16:00–16:30	Coffee Break and Posters / Group photo
Session chairs	Fabio Boylan , Trinity College Dublin, Ireland Nazim Sekeroglu , Gaziantep, Turkey
16:30–16:45	Tatyana Strekalova , University of Oxford, United Kingdom <i>Animal models of stress and neurodegeneration in research on the therapeutic effects of natural products</i>
16:45–17:00	Florian Ploberger , Sigmund Freud University, Austria <i>Materia medica of tibetan medicine and chinese medicine compared - A pharmacopoeia for rlung disorders</i>
17:00–17:15	Learn-Han Lee , Research Centre for Life Science and Healthcare, Nottingham Ningbo, China <i>A breakthrough in MRSA therapy. Unveiling the Anti-MRSA and wound-healing potential of a novel protein from Streptomyces pluripotens</i>
17:15–17:30	Jodi Law Woan-Fei , Research Centre for Life Science and Healthcare, Nottingham Ningbo, China <i>Unveiling the mangrove's hidden treasures: Diversity to discovery of novel bioactive Streptomyces</i>
17:30–17:45	Gifty Owusu , University of Environment and Sustainable Development, Ghana <i>Elucidating the role of floral and herbivore-induced volatiles in Maruca vitrata oviposition behavior and natural enemy attraction: Implications for semiochemical-based pest management in Cowpea (Vigna unguiculata)</i>
20:00	Social Dinner

08:30–09:00	Registrations & Conference Materials Pickup
09:00–09:10	Opening ceremony: Patrícia Rijo (Local organizer), Andreia Freitas (Action Chair)
Session chairs	Patrícia Rijo , Universidade Lusófona, Portugal Vânia André , CQE, IMS Instituto Superior Técnico, Universidade de Lisboa, Portugal
09:10–09:40	Douglas Siqueira Chaves , Universidade Federal Rural do Rio de Janeiro, Brasil <i>Cannahoney really exist?</i>
09:40–10:10	Stefan Gafner , American Botanical Council, Texas, USA <i>Botanical product adulteration: Efforts to avoid being caught by herbal ingredient fraud detectives</i>
10:10–10:40	Andreia Freitas , National Institute for Agricultural and Veterinary Research, REQUIMTE/LAQV, Portugal <i>BeSafeBeeHoney: Network for bee safety and valorization of hive products at the intersection of nutrition and food safety</i>
10:40–11:15	Coffee break / Poster Session
Session chairs	Maria José U. Ferreira , Lisbon University, Portugal Umesh Patil , Dr. Harisingh Gour Vishwavidyalaya [A Central University], India
	Keynote Speaker
11:15–11:45	Salvador Cañigueral , Universitat de Barcelona, Spain <i>Recent contributions of the European Pharmacopoeia to the quality control of herbal drugs and herbal drug preparations</i>
11:45–12:00	Iffet Irem Cankaya , Hacettepe University, Turkey <i>The regulatory landscape of dietary supplements and herbal medicinal products in Türkiye</i>
12:00–12:15	Manas Sutradhar , Universidade Lusófona, Portugal <i>Metal complexes with natural product derivatives and their applications</i>
12:15–12:30	Helena Juricic , University of Camerino, Italy <i>Effect of gamma-oryzanol and probiotics on cytokine induced alteration of intestinal epithelial cell monolayer permeability</i>
12:30–12:45	Banaz Jalil , University College London–School of Pharmacy, United Kingdom <i>A case study of Lavandula species – The pharmaceutical performance and phytochemical quality of herbal medicinal products and dietary supplements on the global market</i>
12:45–13:00	Belma Konuklugil , Lokman Hekim University, Turkey <i>Phytochemical, antioxidant, and anti-cancer screening of the Turkish Ulva lactuca and Penicillium expansum</i>
13:00–14:30	Lunch Break
Session chairs	Maria do Céu Costa , Universidade Lusófona, Portugal Vânia Moreira , Faculdade de Farmácia da Universidade de Coimbra, Portugal
14:30–14:45	Wojciech Koch , Department of Food and Nutrition Medical University of Lublin, Poland <i>Influence of Diet on the Bioavailability of Active Components from Zingiber officinale Using an In Vitro Digestion Model</i>
14:45–15:00	Davide Ciaramellano , Telematic University “Leonardo Da Vinci”, Italy <i>Beneficial effects induced by a blend of biologically active compounds in an ex vivo model of prostatitis</i>
15:00–15:15	Mary Anti Chama , University of Ghana, Ghana <i>Antitrypanosomal constituents from ethanol extracts of Pouteria alnifolia seeds</i>
15:15–15:30	Cláudia Bento , RDILAB, Portugal <i>Ensuring quality and safety in natural products: analytical and regulatory approaches for cosmetics</i>

15:30–16:00 Flash Presentations (4+1 QA)	
Session chairs	Patrícia Rijo , Universidade Lusófona, Portugal
	Douglas Siqueira Chaves , Universidade Federal Rural do Rio de Janeiro, Brasil
BIONAT–F01	Ana Margarida Passos Borges , CIMO, LA SusTEC, Instituto Politécnico de Bragança, Campus de Santa Apolónia, Portugal <i>Unveiling the bioactive potential of Chelidonium majus L. and Sericin: Phytochemical profiling and therapeutic insights</i>
BIONAT–F02	Natalia Sławińska , University of Lodz, Poland <i>Antioxidant and antiplatelet activity of fractions and chemical compounds from sea buckthorn (Hippophae rhamnoides L. seeds)</i>
BIONAT–F03	Euclides Viriato Gomes Landim , Coimbra Institute for Clinical and Biomedical Research (iCBR), Portugal <i>Antitumoral potential of bioactive compounds from Cape Verde endemic species in colorectal cancer cell models</i>
BIONAT–F04	Vera M. S. Isca , CBIOS, Portugal <i>Royleanone Derivatives Targeting Breast Cancer: PKC-α Modulation and Drug-Likeness Profiling</i>
BIONAT–F05	Angelica Pia Centulio , University G. d'Annunzio of Chieti, Italy <i>Protective effects of a novel formulation based on resveratrol and water extracts from Equisetum arvense, Crataegus curvisepala, Vitex agnus-castus, and Glycine max on C2C12 Cells exposed to oxidative stress</i>
BIONAT–F06	Rebeca André , CBIOS, Portugal <i>Modulation of Cholesterol Biosynthesis and Intestinal Permeation by Fucus vesiculosus Bioactives</i>
16:00–16:30 Coffee Break and Posters	
Session chairs	Patrícia Rijo , Universidade Lusófona, Portugal
	Stefan Gafner , Chief Science Officer, American Botanical Council, Texas, USA
16:30–17:45 Flash Presentations (4+1 QA)	
BIONAT–F07	José Ignacio Hernández Lobato , Humboldt Universität zu Berlin, Germany <i>How plant secondary compounds can inhibit the formation of bacterial biofilms by multiple targeting of biofilm control networks – Acacia nilotica acting on E. coli and B. subtilis</i>
BIONAT–F08	Gabrielle Bangay , CBIOS, Portugal <i>Targeting Multidrug-Resistant Cancer: Esterified Diterpenoids as Natural P-gp Chemosensitizers</i>
BIONAT–F09	Nabarun Mukhopadhyay , NIPER Hyderabad, India <i>Phytochemical analysis and assessment of dual COX-LOX inhibition potential of selected Indian medicinal plants</i>
BIONAT–F10	Manal Lahyaoui , University Mohammed V Rabat, Morocco <i>Phytochemical diversity of Cymbopogon citratus Stapf volatile compounds and evaluation of their biological properties</i>
BIONAT–F11	Sofia Gravanita Ferreira , CBIOS, Universidade Lusófona, Portugal <i>Urolithin B as a potential modulator of Islet Amyloid Polypeptide (IAPP) aggregation: Implications for diabetes management</i>
BIONAT–F12	Ana Julio , Universidade Lusófona, Portugal <i>From nature to skin: TransfersomLLs enabling efficient topical delivery of hydroxycinnamic acids in cosmetics</i>
BIONAT–F13	Emine Sena Saracoglu , Acibadem Mehmet Ali Aydinlar University, Turkey <i>Essential oil-based nanostructured lipid carriers: preparation and characterization</i>
BIONAT–F14	Alessandra Acquaviva , University G. d'Annunzio of Chieti, Italy <i>Phytochemical profiling and biological evaluation of the residues from industrial hemp (Cannabis sativa L.) inflorescences trimming: focus on water extract</i>
BIONAT–F15	Itsasne Beitia , University of the Basque Country UPV/EHU, Spain <i>Sequential ultrasound and microwave-assisted hydrothermal process for the obtaining of oligosaccharide and antioxidants from apple pomace and grape stalks</i>
BIONAT–F16	Ahmad Kamona , Robert Gordon University, United Kingdom <i>Investigating the modulatory effects of scottish plant extracts on multidrug resistance in breast cancer cells</i>

BIONAT-F17

Nehir Kavi, Acibadem Mehmet Ali Aydinlar University, Turkey

Effects of in vitro human digestion simulation on phenolic profile and antioxidant properties of Tribulus terrestris L.

BIONAT-F18

Pedro Barbosa, MED / Universidade de Évora, Portugal

*Nematicidal activity of phytochemicals against the root-lesion nematode *Pratylenchus penetrans* and effect on potato host*

17:45

Awards and Closing IN-PERSON remarks

Posters

- BIONAT-P01** **Henoc del Rosario García**, Universidad de Las Palmas de Gran Canaria, Spain
Naphthylester and diketone as apoptotic inducers in human leukaemia cells
- BIONAT-P02** **Betül Giray**, Faculty of Pharmacy, Istinye University, Turkey
Antimicrobial activity screening of Frangula alnus Mill and Allium sativum Extracts
- BIONAT-P03** **Gizem Acar**, UCL School of Pharmacy, United Kingdom
Food supplements for human health and nutrition – what role can community pharmacists play?
- BIONAT-P04** **Ungureanu (Similie) Diana**, Victor Babeş University of Medicine and Pharmacy, Romania
Evaluation of the anti-migratory, antimicrobial, and irritative potential of novel ursolic acid phosphonate derivatives
- BIONAT-P05** **Leandro Oliveira**, CBIOS, Portugal
Functional foods in focus: Sociodemographic factors shaping consumer perceptions in Portugal
- BIONAT-P06** **Leandro Oliveira**, CBIOS, Portugal
Sensory and bioactive evaluation of Adansonia digitata L. (Baobab) fruit
- BIONAT-P07** **Naruemon Perstwong**, Department of Pharmacognosy & Pharmaceutical Botany, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Thailand
Phytochemical profiling and biological evaluation of the residues from industrial hemp (Cannabis sativa L.) inflorescences trimming: focus on water extract
- BIONAT-P08** **Luís Royer Oliveira da Cruz**, Instituto Superior Politécnico Jean Piaget de Benguela, Angola
Health conditions reported by traditional healers in Benguela Province, Angola, and their correspondence to ICPC-2 disease index
- BIONAT-P09** **Oraya Gavichai**, Chulalongkorn University, Bangkok, Thailand
Optimizing heat conditions in the satu process for Cannabis sativa: An HPTLC-based study on chemical transformation
- BIONAT-P10** **Fatma Sezer Senol Deniz**, Gazi University, Ankara, Turkey
Evaluating the effects of different plant extracts utilized for varicose veins in Türkiye on inflammatory cytokines
- BIONAT-P11** **Judyta Cielecka-Piontek**, Poznań University of Medical Sciences, Poland
Red clover leaf Isoflavones: Extraction, optimization and cyclodextrin-based solubility enhancement
- BIONAT-P12** **Salih CHIBANI**, Université Constantine, Algeria
Comparative toxicity of Melaleuca alternifolia and Laurus nobilis essential oils and their major compounds against key agricultural pests
- BIONAT-P13** **Sinem Aslan Erdem**, Ankara University, Turkey
Quantification of rosmarinic acid and cytotoxic evaluation of aerial parts of Eryngium campestre L. on chondrocyte cells
- BIONAT-P14** **Ekin Kurtul**, Zonguldak Bülent Ecevit Üniversitesi, Turkey
Miquelianin and ellagic acid contents in aerial parts of Alchemilla mollis (Buser) Rothm
- BIONAT-P15** **Derya CICEK POLAT**, Ankara University, Turkey
Camellia sinensis (L.) kuntze and chlorogenic acid: Evaluation in terms of sun protection factor (SPF)
- BIONAT-P16** **Thomas Hallett**, Reckitt Benckiser Health, United Kingdom
Onset and duration of anti-inflammatory action of Sisymbrium officinale extract pastille in cultured human tonsil epithelial cells
- BIONAT-P17** **James Blee**, Atlantic Technological University, Ireland
 β -lactam modulation using extracts derived from Fucus vesiculosus and Pelvetia canaliculata against seven MRSA isolates
- BIONAT-P18** **Peter O'Hara**, Atlantic Technological University, Ireland
Investigating various green extraction techniques for phlorotannins from Fucus spp. and their antibacterial potential against swine pathogens
- BIONAT-P19** **Fernanda Delgado**, Polytechnic Institute of Castelo Branco (IPCB), Portugal
Exploring the anti-inflammatory potential of phenolic extracts from traditional portuguese medicinal plants

BIONAT-P20	Iara Messias Reason , Universidade Federal do Paraná, Brazil <i>Effect of Gabiroba (Campomanesia xanthocarpa Berg.) on hepatic steatosis and serum biomarkers of rats exposed to a long-term high-fat diet (HFD) and fructose</i>
BIONAT-P21	Thinhinan Khedim , University of Sciences and Technology Houari Boumediène, Algeria <i>Phylogenetic inference and antimicrobial potential: the relevant case of the genus Allium L. in Algeria</i>
BIONAT-P22	Smati Dalila , Faculty of Pharmacy, Algiers, Algeria <i>Chemical composition and synergistic effect of the essential oil from Cymbopogon citratus combined with antibiotics against multidrug-resistant strains</i>
BIONAT-P23	Rym Chaouch , Preparatory Institute of Engineering of Bizerte (IPEIB), University of Carthage, Tunisia <i>Revealing surprising benefits of essential oils for strawberry micropropagation</i>
BIONAT-P24	HELLAL Nouria , University of Sciences and Technology Houari Boumediène, Algeria <i>Mitochondrial DNA protection by natural polyphenols: A case study with Artemisia absinthium against mercury toxicity</i>
BIONAT-P25	Sabina Weronika Jaros , University of Wrocław, Poland <i>Antimicrobial biopolymer made from chia seed mucilage (CSM) and therapeutic silver (I) coordination polymer</i>
BIONAT-P26	Sarah Boukhalkhal , University of Amar Telidji Laghouat, Algeria <i>Antibacterial activity, chemical composition and molecular docking studies of essential oil of Juniperus communis</i>
BIONAT-P27	Choi Siu Mei , Technological and Higher Education Institute of Hong Kong, Hong Kong <i>Investigating the impact of Smilax glabra Roxb. residues on probiotic growth</i>
BIONAT-P28	TAM Ka Wing , Technological and Higher Education Institute of Hong Kong, Hong Kong <i>Study on potential natural source of freeze-dried prebiotics extracts from tea residue</i>
BIONAT-P29	CHAN Hei Tung , Technological and Higher Education Institute of Hong Kong, Hong Kong <i>Neuroprotective effects of esculetin and probiotics in 6 hydroxydopamine-induced parkinson's disease</i>
BIONAT-P30	Andreia Gomes , CBIOS, Universidade Lusófona, Portugal <i>(Poly)phenols as modulators of cellular reprogramming in Diabetes</i>
BIONAT-P31	Walid Hamada , National Agronomic Institute of Tunisia, Tunisia <i>Valorisation of essential oils as biostimulants on plants applied by seed coating on wheat and rootfeeding on tomato</i>
BIONAT-P32	Banaz Jalil , University College London-School of Pharmacy, United Kingdom <i>A novel treatment strategy for wound healing: Medicinal plants combined with Photodynamic Therapy</i>
BIONAT-P33	Kübra UZUN , Erciyes University, Turkey <i>Investigation of cytotoxic effects of Inula heterolepis Boiss on prostate cancer</i>
BIONAT-P34	Esra Köngül Şafak , Erciyes University, Turkey <i>Investigation of in vitro cytotoxic effects of extracts obtained from the Astragalus cancellatus Bunge on breast cancer cell lines</i>
BIONAT-P35	Epole Ntungwe , Universitat Ramon Llull, Spain <i>Plectranthus mutabilis Codd: A source diterpenoids as of P glycoprotein modulators</i>
BIONAT-P36	Pedro Sampaio , Lusófona University, Portugal <i>Integrating chemometrics for the early-stage evaluation and classification of antioxidant effects</i>
BIONAT-P37	Diana Melissa Carvalho , Lusófona University, Portugal <i>Analysis of oxidative stress induced by H₂O₂ and evaluation of the effect of antioxidant agents on the protein profile of Saccharomyces cerevisiae</i>
BIONAT-P38	Maria Miguel Arnaut , Faculdade de Medicina da Universidade de Coimbra, Portugal <i>Bioactivity of Cape Verde endemic species in clonogenic and spheroid assays using colorectal cancer cells</i>

BIONAT-P39	Rita Rijo , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Medicinal Plants for the Prevention and Treatment of Diseases of the Immune System: Systematic Review and Meta-Analysis</i>
BIONAT-P40	Isidora Sousa , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Valorization of olive pomace through deterioration and conservation of bioactive phenolic compounds with dermocosmetic and pharmaceutical</i>
BIONAT-P41	Ana Marta Miranda , Centro de Química Estrutural, Institute of Molecular Sciences, Universidade de Lisboa, Lisboa, Portugal. <i>Application of nanotechnology to optimize the biological activity of natural products</i>
BIONAT-P42	Ana Sofia Amaral , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Evaluation of the Bioactive Properties of Honey and Water for Cosmetic and Microbiological Applications</i>
BIONAT-P43	Evna Pereira , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Evaluation of bioactive compounds with antioxidant and antimicrobial properties from macroalgae extracts using infrared spectroscopy and machine learning techniques</i>
BIONAT-P44	Vera Isca , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Evaluation of the Bioactive Potential of Centauri® Honey and Its Samples Supplemented with Propolis and Gold for Dermocosmetic Applications</i>
BIONAT-P45	Rebeca André , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Ficus carica L. as a Source of Bioactive Compounds</i>
BIONAT-P46	Margarida Correia , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Effects Evaluation of Traditional Chinese Herbal Formula Xue Mai Tong, Alone and Combined with Acupuncture, on Microcirculation: An Interventional Study Using Multimodal Assessment</i>
BIONAT-P47	Luiz Monteiro , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Development of an In Vivo Test Protocol to Evaluate the Effectiveness of Eucalyptus and Lavender Essential Oils</i>
BIONAT-P48	Festus O. Ogungbemiro , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Targeting Antimicrobial Resistance while Protecting the Skin Microbiome: Repurposing Royleanone Derivatives as Efflux Pump Inhibitors</i>
BIONAT-P49	Carlota Sousa , Miriam Sequeira, CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Centaury Honey-Based Antimicrobial Systems: From Bioactivity to Functional Mask Development with Choline Chloride</i>
BIONAT-P50	Sina Ialehfar , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health Technologies, Lisbon, Portugal. <i>Exploring Synthetic Derivatives of Marine-Derived Aspergillus terreus: A Preliminary Study</i>
BIONAT-P51	Didem Aybike Haspolat , CBIOS – Universidade Lusófona’s Research Center for Biosciences & Health <i>Design of a Literature Review on Insects as Alternative Sources of Proteins and Potential Risks</i>
BIONAT-P52	Maria do Céu Costa , Universidade Lisboa <i>Process Development for GMP-Grade Full Extract Cannabis Oil Towards Standardized Medicinal Use</i>

09:00-09:10

Opening Remarks

Session I – Bioactivity of Natural Products (13+2 QA)

Session chair

Farida Larit, Université Frères Mentouri – Constantine, Algeria

- 09:10-09:25

Olaf Kelber, Phyto & Biotics Tech Platform, Phytomedicines Supply and Development Center, Bayer Consumer Health, Germany
Gut microbiota and medicinal plants for mental health: St. John’s wort and valerian
- 09:25-09:40

Roodabeh Bahramsoltani, Tehran University of Medical Sciences, Iran
Neuroprotective effects of Pimpinella anisum L. in an animal model of diabetic neuropathy
- 09:40-09:55

Tugsen Buyukyildirim, Selcuk University , Turkey
Antioxidant effects of some Asperula L. (Rubiaceae) Species and their inhibitory potential on lipoxygenase enzyme
- 09:55-10:10

Seyedeh Mahnaz Karimi, Traditional Medicine and Materia Medica Research Center and Department of Traditional Pharmacy, School of Traditional Medicine, Shahid Beheshti University of Medical Sciences, Iran
Medicinal plants and bone health: A systematic review and meta-analysis of clinical evidence
- 10:10-10:25

Xiuping Chen, University of Macau, China
Anti-cancer activity of a natural inducer of programmed cell death (PCD)
- 10:25-10:40

S. Ravi Kiran, R.B.V.R.R. Women's College, Narayanaguda, Hyderabad, India
Evaluation of protective efficacy of extract and bioactive compounds from Prunus amygdalus (Batsch.) on Paracetamol induced hepatotoxicity
- 10:40-10:55

AZZOUZ Zahra, Université de Bejaia, Algeria
Biochemical characterization and biotechnological potential of β glucosidase from Aspergillus niger Strain BG

10:55-11:15

Break

Session II – Bioactivity of Natural Products (13+2 QA)

Session chair

Olaf Kelber, Bayer Consumer Health, Germany

- 11:15-11:30

Tugba SUBAS, Karadeniz Technical University, Turkey
Investigation of antioxidant, antityrosinase, and photoprotective activities of Eryngium billardieri with phytochemical profile
- 11:30-11:45

Maciej Kowalski, Medical University of Lodz, Poland
Anti-inflammatory and anticancer potential of Brazilian Propolis
- 11:45-12:00

Hatice Banu Keskinkaya, Necmettin Erbakan University, Turkey
Antioxidant-antibacterial activities and phenolic/flavonoid content of supercritical CO2 extract of Laurus nobilis L.
- 12:00-12:15

Mikolo Bertin, National Polytechnique High School, Marien Ngouabi University, Republic of the Congo
Evaluation of the combined bactericidal activity of essential oils of Plectranthus glandulosus and Eucalyptus pfl
- 12:15-12:30

Tuba Serbetci, cukurova uiversity, Turkey
Evaluation of phenolic profile and antioxidant activites of papaver rhoeas L. growing wild in Adana Region
- 12:30-12:45

Dwi Hartanti, KH Ahmad Dahlan Roab, Banyumas, Indonesia
GC-MS analysis and sensorial evaluation of a polyherbal antioxidant drink with varying cinnamon and ginger ratios

12:45–13:00	Farida Larit, Université Frères Mentouri – Constantine, Algeria <i>Algerian wild edible fruits as emerging sources of bioactive ingredients for sustainable cosmetic innovation</i>
13:00–13:20	Break
Session III – Natural Products in Drug Discovery (13+2 QA)	
Session chair	S. Ravi Kiran, R.B.V.R.R. Women's College, Narayanaguda, Hyderabad, India
13:20–13:35	Andrea Stierle, University of Montana, USA <i>Further studies on the berkeleylactones – A new family of antibiotics produced in co-culture by extremophilic fungi</i>
13:35–13:50	Mohammed Bourhia, Faculty of Sciences, Ibn Zohr University, Morocco <i>Computational investigation of Prunus africanus compounds as CDK2 inhibitors: Identification of feruloyl quinic acid and isoliquirtin as potential leads</i>
13:50–14:05	DAOUDI Nour Elhouda, Higher Institute of Nursing Professions and Health Techniques Oujda, Morocco <i>Influence of seed heating temperatures on the physicochemical and antihyperglycemic properties of Argan oil</i>
14:05–14:20	Marah Elbaw, Hebron University, Palestine, West Bank, Palestine <i>Enhancing herbal medicine drug delivery: The role of nanotechnology</i>
14:20–14:35	Heba Kafisheh, Hebron University, Palestine, West Bank, Palestine <i>Phytochemicals–Nano carriers for neurological disorders treatment</i>
14:35–14:50	Anatoly Fedorov, Independent Researcher, France <i>Transannulation of fungal ten-membered lactones as a route to polyfunctionalized pyran-type heterocycles</i>
14:50–15:05	Amira Abdalla Elkattan, Kyushu University, Japan <i>Characterization of bioactive metabolites from sea cucumber Holothuria atra for anti-inflammatory and skin regenerative properties</i>
15:05–15:25	Break
Session IV – Other fields related to Natural Products (13+2 QA)	
Session chair	Tugba SUBAS, Karadeniz Technical University, Turkey
15:25–15:40	Nazim Sekeroglu Izmir, Gaziantep University, Turkey <i>The impact of the earthquake on some pharmaceutical and spice plants in Turkiye</i>
15:40–15:55	Tugba SUBAS, Karadeniz Technical University, Turkey <i>An ethnobotanical investigation in the villages of Borçka district (Artvin, Türkiye)</i>
15:55–16:10	Raquel Carvalho, Macquarie University, Australia <i>High-pressure homogenization enhances broccoli leaves physical properties, bioactive content and antioxidant activity</i>
16:10–16:25	Ana Flávia Marçal Pessoa, Instituto de Medicina Tropical de São Paulo, Brazil <i>Nutraceutical supplement slim reshaped colon histomorphology and reduces Mucispirillum schaedleri in obese mice</i>
16:25–16:40	Oleshko Egor, Novosibirsk state medical university, Russia <i>Phytochemical study of Onosma simplicissima L. and safety assessment of phytomedicines taken from it</i>
16:40–16:55	Oguz Bayraktar, Ege University, Turkey <i>Simultaneous heat and citric acid treatment for bioactive sericin extraction from silk cocoons: Optimization of UV-blocking properties</i>
16:55–17:10	Fatima KHIAT, Université des sciences et de la technologie d'ORAN, Algeria <i>Antioxidant and antibacterial activities of methanol extract from Argania spinosa L. of tindouf region</i>
17:10–17:25	Anthikapalli Naga Venkata Anusha, Palacký University, Czech Republic <i>In silico molecular docking approach for the screening of marine derived coral-reef compounds against SARS-CoV-2 main protease and spike protein</i>

17:25–17:40	Wahiba Hamzi , SAAD DAHLEB UNIVERSITY, Algeria <i>Cantharellus cibarius extracts as anti-angiogenic agents</i>
17:40–17:55	Eva María Domínguez Martín , University of Alcalá, Faculty of Pharmacy, Spain <i>The potential of an abietane royleanone isolated from Plectrathnus hadiensis as antiglioblastoma drug</i>
17:55–18:10	Kseniia Sitdikova , Nazarbayev University, Kazakhstan <i>Treatment with wheat malt extract containing the sialic acid-specific agglutinin improved metabolic and Alzheimer's disease-related abnormalities in aged APPswe/PS1E9 mice</i>
18:10–19:45	Poster Presentations (4+1 QA)
BION-V-01	Noelia Flórez Fernández , Universidade de Vigo, Spain <i>Fucoxanthin extract from Laminaria ochroleuca and Himanthalia elongata to produce polymeric nanoparticles</i>
BION-V-02	Alexandra Maria Pinto Machado , Faculdade de Ciências da Universidade de Lisboa, Portugal <i>Volatile compounds in Ericaceae honeys and flowers. Portuguese Arbutus unedo (strawberry tree) and Erica spp. (bell heather) honeys</i>
BION-V-03	KERNOU Ourdia-Nouara , Targa ouzemour, University of Béjaïa, Algeria <i>Biotechnological exploitation of olive pomace by Streptomyces sp. S1M3I: fiber hydrolysis and enzymatic profile study</i>
BION-V-04	Ibrahima Kitikil Badjo , University of Maroua, Cameroon <i>Datasheet for CABI compemendum: Review of Rosmarinus officinalis L.</i>
BION-V-05	Alexandra Filipa Marto Teixeira , Instituto Politécnico de Bragança – Escola Superior Agrária, Portugal <i>Potential of barbela wheat oil in the formulation of natural cosmetics with antifungal and moisturizing properties</i>
BION-V-06	Fettouma Chraa , Faculty of Medicine and Pharmacy Rabat, Morocco <i>Exploring propolis-derived compounds as quorum sensing inhibitors for C. albicans: A molecular docking and MD simulation study</i>
BION-V-07	Dorcas Osei-Safo , University of Ghana, Ghana <i>Ghanaian natural products database: A comprehensive tool for drug discovery and development</i>
BION-V-08	Olha Mykhailenko , UCL School of Pharmacy, United Kingdom <i>Feasibility of the sustainable harvesting of botanical ingredients for the pharmaceutical Industry. The case of Epilobium hirsutum</i>
BION-V-09	Mireille Sylviane Dongmo Nguepi , University of Buea, Cameroon <i>In vitro antischistosomal activity of some medicinal plant extracts against Schistosoma mansoni parasite</i>
BION-V-10	Olaf Kelber , Phyto & Biotics Tech Platform, Phytomedicines Supply and Development Center, Bayer Consumer Health, Germany <i>Estragol: How much is too much?</i>
BION-V-11	Bonzi Coulibaly Libona Yvonne , Ouah Gadougou University, Burkina Faso <i>A simple and eco-friendly extraction method for Rutin from cooking wastewater of Cleome gynandra L. aerial arts</i>
BION-V-12	Razane Hamiyeh , American University of Beirut, Lebanon <i>From lebanese soil to antimicrobials: A novel streptomyces species with antimicrobial potential</i>
BION-V-13	Mounia MERABET-KHELASSI , Eco-compatible Asymmetric Catalysis Laboratory (LCAE), Badji Mokhtar Annaba-University, Algeria <i>Eco-compatible synthesis of monoterpene acetate derivatives: ADMETox, Pharmacokinetics and in silico interaction study with BACE1 target protein</i>
BION-V-14	Mounia MERABET-KHELASSI , Eco-compatible Asymmetric Catalysis Laboratory (LCAE), Badji Mokhtar Annaba-University, Algeria <i>Tuning of Lavandula angustifolia essential oil's bioactivity by enzymatic acylation: In silico evaluation of dual antibacterial and antifungal activities</i>

BION-V-15

Alejandra Catalano, Universidad de Buenos Aires, Argentina

In vitro anti-chlamydial activity of Argentine medicinal plants from the genus *Hydrocotyle*: *H. bonariensis* Lam. and *H. ranunculoides* L.f.

BION-V-16

Marcelo Jose Dias Silva, Federal University of Alfenas – UNIFAL-MG, Brazil

Identification, quantification and bioactivity of the soybean isoflavones in the prevention of muscular dystrophy

BION-V-17

Virginie Xavier, CIMO, LA SusTEC, Instituto Politécnico de Bragança, Campus de Santa Apolónia, Portugal

Extraction optimization of ergosterol from *Pleurotus ostreatus* Bioresidues: envisaging the recovery of natural hypocholesterolemic agents

BION-V-18

Fatmagul Yoldas, Ege University, Turkey

Comparative assessment of antioxidant capacity of domat olive leaf and sari yaprak olive leaf

BION-V-19

Daiane Cristina Sass, Coordenadora do Curso de Ciências Biológicas – IB, UNESP/Rio Claro, Brazil

The biocontrol potential of rhamnolipids produced by *Pseudomonas aeruginosa* against *Xanthomonas* phytopathogens

19:45

Conference Closing Remarks

Organizers



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