EUFEPS ANNUAL MEETING

"Lisbon 2023, at the edge of Europe and Science"



Abstracts Book

May 31st - June 2nd 2023
Lisbon, Portugal

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After a fruitful Annual Meeting together with the Dutch Medicine Days, EUFEPS is proud and happy to announce that the 2023 Annual Meeting will be held in Lisbon, Portugal between May 31 – June 2, 2023 in collaboration with the Conference Co-Chairs Prof. Dr. Maria Blanco-Prieto and Prof. Dr. João Lopes supported by the University of Lisbon and the Portuguese Pharmaceutical Sciences Society. The programme will include parallel tracks organized by EUFEPS Networks and Member Societies. The aim of the Annual meeting is to bring together people from all over the world who are involved in pharmaceutical sciences in order to exchange results, experiences, and information and to build communication and collaboration at regional and global scales.

The main target of the Annual Meeting 2023 is to create a pharmaceutical sciences platform shared by the universities, industry and regulatory scientists in order to provide an opportunity to discuss the main topics of this symposium in a friendly atmosphere in the attractive environment of Lisbon. This meeting will be focused on the theme "Lisbon 2023, at the edge of Europe and Science". The main track of the meeting will continue throughout the scientific programme on May 31 to June 2 covering basic and applied sciences on drug targets and drug formulation. As the concept of future medicines involves an extensive systems approach for both development and for pre-clinical and clinical evaluation, parallel tracks will be organized by networks and EUFEPS member institutions and societies to discuss different aspects. In short, we plan to hold this Annual meeting with six prominent plenary speakers, several invited session/short course speakers and short oral presentations selected from the abstracts submitted. We will also have a Round Table with different experts on the topic ""Emerging therapies: regulatory perspective". For the first time we will have a "European PhD student competition" to promote and reward academic and scientific excellence among the young. During the awards ceremony at the end of the conference, we will present the, EJPS Best Paper Award, Best Poster Award, EUFEPS WIPS Women in Pharmaceutical Sciences Award and EUFEPS Presidential Distinction Award.

We are eager to welcome in Lisbon scientists from academia, industry and regulatory authorities interested in the future of medicines and the role of pharmaceutical scientists, and to continue the tradition of the Pharmaceutical Sciences European meetings series in Hungary 2024 with a strong scientific programme. Looking forward to meet you in Lisbon on May 31 – June 2, 2023.

With our best regards,



Prof. Dr. Maria Blanco-Prieto
EUFEPS President



Prof. Dr. João Almeida Lopes
EUFEPS'23 Chairman

LAURUS NOBILIS L. ESSENTIAL OIL LOADED GEL SUITABLE FOR DERMACOSMETIC USE: PREPARATION, CHARACTERIZATION, *IN VITRO* BIOLOGICAL ACTIVITY AND *IN VIVO* COSMETIC IRRITATION

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Native to the Mediterranean region, *Laurus nobilis L*. (Lauraceae) is cultivated extensively throughout Southern Europe, Western Asia, Northern Africa, and America [1,2]. Traditional uses for the leaves and fruits include the treatment of rheumatism, heart conditions, viral infections, diarrhea, as well as their carminative, diaphoretic, and antiseptic characteristics [2]. In this study, gels containing *L. nobilis* essential oil were prepared and characterized primarily in terms of pharmaceutical technology (rheology, pH etc.) [3]. Then, the selected optimum formulation was evaluated in terms of *in vitro* antioxidant, *in vivo* cosmetic irritant potency and embryotoxicity. The GC-FID/MS method was used to screen the composition of the extracted essential oil from the leaves. By employing *in vitro* DPPH scavenging, metal chelating potential and *in vivo* HET-CAM (hen's egg-chorioallantoic membrane test) assay respectively, *in vitro* antioxidant capacities and *in vivo* cosmetic irritation potential of the gel on the CAM (chorioallantoic membrane) were examined. The two main constituents of the essential oil were identified as 1,8-cineole (47.1%) and α-terpinyl acetate (17.9%). The gel's IC_{50} value for DPPH scavenging and for metal chelating were calculated as 0.228 and 0.66 $mg.mL^{-1}$, respectively. When compared to SDS, the gels did not exhibit any irritation or embryotoxicity on the CAM. This study describes a promising topical gel with *L. nobilis* essential oil that has strong antioxidant properties *in vitro* and no cosmetic irritation with no embryotoxicity *in vivo*.

Literature:

[1] Caputo L et al., Molecules. 2017, 22, 930.
[2] Alejo-Armijo A et al., Nat. Prod. Commun. 2017,12(5), 743-757.
[3] Öztürk AA et al., Acta Pharm. Sci. 2018, 56(4), 81-105.



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CERTIFICATE OF ATTENDANCE

The Organizing Committe certifies that

A. Alper Öztürk, Assoc. Prof. Dr.

Attended the European Federation for Pharmaceutical Sciences Annual Meeting (EUFEPS'23)

Lisbon, May 31st - June 2nd, 2023

MARIA BLANCO PRIETO
President of EUFEPS

JOÃO ALMEIDA LOPES
Chair of EUFEPS