



ISE-APSS2024
INTERNATIONAL CONGRESS
CAPE TOWN

**23rd International Congress of the International Society for Ethnopharmacology
& 2nd International Congress of the African Phytomedicine Scientific Society**



International Society for
Ethnopharmacology

The **African**
Phytomedicine
Scientific Society



Jointly organized by the University of Pretoria, ISE and APSS

***The footprint of
ethnopharmacology in drug discovery***



***Cape Town International Convention Centre,
Cape Town, South Africa 23 - 26 October 2024***

The footprint of ethnopharmacology in drug discovery



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The joint meeting of the 23rd International Congress of the International Society for Ethnopharmacology & the 2nd International Congress of the African Phytomedicine Scientific Society (ISE-APSS 2024) is proudly hosted by the University of Pretoria from 23-26 October 2024, at the Cape Town International Convention Centre, Cape Town, South Africa.

The theme of the congress is "The footprint of ethnopharmacology in drug discovery". The Congress focuses on trending topics and issues faced through the scientific study of traditional knowledge systems and the ethnopharmacology of medicinal plants.



The aim of the congress is to build collaborative and networking opportunities between national and international institutions and showcase the academic merit of research being conducted on the African continent, with the objective to establish multidisciplinary collaborations within the field of ethnopharmacology and to potentially provide access to important infrastructure that may not be available at African institutions. This would aid in improving the quality and impact of the research conducted in Africa by ensuring new technologies are implemented and established to prove the safety and efficacy of medicinal plants and natural products. These collaborations can further contribute to the generation of new intellectual property, increase human capacity development in the STEM fields and provide a pathway for African researchers to contribute to the National Development Plan, Sustainable Development Goals and the African Union Agenda 2063.

On behalf of the local organizing committee, The International Society for Ethnopharmacology and The African Phytomedicine Scientific Society, it is our pleasure to invite you to participate in this in-person congress.

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In order, to highlight the importance of Traditional African Medicine and its impact in today's medicine, the International Society for Ethnopharmacology (ISE) has partnered with the newly founded African Phytomedicine Scientific Society (APSS). The APSS aims to serve as a collaborative African research network on medicinal plants and natural products.



The ISE is an international, collaborative, interdisciplinary group of scientists including anthropologists, pharmacists, pharmacologists, ethnobotanists, phytochemists, and other researchers, all fascinated by the study of the global use of traditional and natural medicines. The ISE is particularly concerned with understanding the use of drugs derived from plants, animals and inorganic materials by traditional societies and the cultural and pharmacological dimensions of medicinal plant use worldwide. The society has an official ISI-accredited journal, which is the "The Journal of Ethnopharmacology (Publisher - Elsevier), with a current (2023) impact factor of 5.4 (<https://www.sciencedirect.com/journal/journal-of-ethnopharmacology>).

The APSS provides a platform highlighting research on Africa's rich biocultural diversity and the output of world-class African researchers, with the aim of fostering the collaboration within Africa and advancing research on the African continent. ISE and APSS encourage the participation of all role-players and stake holders in the production chain, from the initial survey of traditional medicines used by health practitioners to the final stage of pharmaceutical development by the industry. APSS will encompass a multi-disciplinary effort to provide, connect and promote phytomedicinal research and development on the African continent.

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Pre-symposium Events

- Early career researcher's forum
- Round table discussion: Opportunities for researchers and industry collaborations
- Ethnoveterinary session: Advancements in natural products for veterinary treatment

ISE-APSS2024 Main themes and sub-themes

Indigenous Knowledge Systems

- Ethnopharmacology of Traditional African Medicine
- Progress made in implementing the Nagoya protocol
- Development of products from traditionally used plants
- Ethnomedicine, traditional knowledge systems and their conservation
- Formulation and development of natural medicines
- Ethnoveterinary medicine
- Experiences of traditional healers working with institutions and the industry

Trending research on natural products

- Natural products and nanotechnology
- Biotransformation of natural products
- Natural products as preservatives in food, cosmetics and medicines
- Natural products and the human skin and gut microbiome
- Computational biology in ethnopharmacology and drug discovery
- Standardization and quality control of botanical/herbal products

Biological activity of medicinal plants and natural products

- Biological activity of plant drugs and natural products
- Ethnopharmacology and neglected tropical diseases
- Importance of toxicology in ethnopharmacology
- Biotechnology in ethnopharmacology
- The potential of psychedelics in ethnomedicine and clinical applications
- Advancements in product development
- Effects of propagation and cultivation practices on secondary metabolite production
- Early career researchers: Innovation for future scientific development



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ISE-APSS2024 organizing committee and scientific committee

Organizing committee

1. **Prof. Namrita Lall**
University of Pretoria, South Africa
2. **Prof. Thierry Regnier**
Tshwane University of Technology, South Africa
3. **Prof. Learnmore Kambizi**
Cape Peninsula University of Technology, South Africa
4. **Dr. Anna-Mari Kok**
University of Pretoria, South Africa
5. **Dr. Marco de Canha**
University of Pretoria, South Africa
6. **Dr. Danielle Twilley**
University of Pretoria, South Africa
7. **Mr. Jonathan Seaman**
University of Pretoria, South Africa
8. **Mr. Brandon Alston**
University of Pretoria, South Africa
9. **Ms. Jacqueline Maphutha**
University of Pretoria, South Africa
10. **Ms. Samantha Rae Loggenberg**
University of Pretoria, South Africa
11. **Mrs. Marize' Cuyler**
University of Pretoria, South Africa
12. **Prof. Domenico Delfino**
University of Perugia, Italy
13. **Dr. Fabien Schultz**
Neubrandenburg University of Applied Sciences, Germany
14. **Prof. Marco Leonti**
University of Cagliari, Italy
15. **Prof. Günter Vollmer**
Technical University of Dresden, Germany



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1. **Prof. Namrita Lall**
University of Pretoria, South Africa
2. **Prof. Günter Vollmer**
Technical University of Dresden, Germany
3. **Prof. Michael Heinrich**
UCL School of Pharmacy, United Kingdom
4. **Prof. Marco Leonti**
University of Cagliari, Italy
5. **Prof. Guillermo Schmeda Hirschmann**
University of Talca, Chile
6. **Prof. Javier Echeverria**
University of Santiago, Chile
7. **Dr. Fabien Schultz**
Neubrandenburg University of Applied Sciences, Germany
8. **Prof. Rudolf Bauer**
University of Munich, Germany
9. **Prof. Sayeed Ahmad**
Jamia Hamdard University, India
10. **Prof. Chung-Ho Lin**
University of Missouri, USA
11. **Prof. Jaana Rysä**
University of Eastern Finland, Finland
12. **Prof. SubbaRao Madhunapantula**
JSS University, India
13. **Dr. Aboli Girme**
Pharmanza Herbal Pvt. Ltd, India
14. **Dr. Naglaa Saad**
Ain Shams University, Egypt
15. **Prof. Hung-Rong Yen**
China Medical University, Taiwan
16. **Prof. Sefirin Djiogue**
University of Yaounde, Cameroon
17. **Dr. Alice Nabatanzi**
Makerere University, Uganda
18. **Prof. Emelia Bekoe**
University of Ghana, Ghana
19. **Prof. Vinesh Maharaj**
University of Pretoria, South Africa
20. **Prof. Nceba Gqaleni**
Africa Health Research Institute, South Africa
21. **Mrs. Nomagugu Gxaba**
Walter Sisulu University, South Africa
22. **Mr. Bonani Madikizela**
Water Research Commission, South Africa
23. **Prof. Wilfred Mbeng**
University of Mpumalanga, South Africa
16. **Dr. Anna-Mari Kok**
University of Pretoria, South Africa
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23. **Mrs. Marize' Cuyler**
University of Pretoria, South Africa
24. **Prof. Kobus Eloff**
University of Pretoria, South Africa
25. **Prof. Riana Kleynhans**
Tshwane University of Technology, South Africa
26. **Dr. Gerhard Prinsloo**
University of South Africa (UNISA), South Africa
27. **Dr. Meshack Mofokeng**
Agricultural Research Council, South Africa
28. **Dr. Dashnie Naidoo-Maharaj**
Agricultural Research Council, South Africa
29. **Prof. Alvaro Viljoen**
Tshwane University of Technology, University of Pretoria
30. **Prof. Vanessa Steenkamp**
University of Pretoria, South Africa
31. **Prof. Adeyemi Oladapo Aremu**
North West University, South Africa



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Opportunities for sponsorship and collaboration

During this international congress, various opportunities exist for sponsorship and collaboration.

Target audience

ISE-APSS2024 welcomes academics, students, researchers, industry partners, stakeholders, traditional health practitioners and all interested parties involved in the promotion and development of ethnopharmacology and drug discovery to join this in-person event. This event will provide a platform for individuals to share their knowledge and expertise to advance medicinal plant research.

Benefits for attendees

- Network with researchers and experts in the field of medicinal plant research
- Build collaborative relationships
- Attract new talent and strengthen existing partnerships

Benefits for sponsors

- Elevate your company profile in the pharmaceutical and natural product community
- Increase visibility in focused markets
- Maximize exposure and increase brand awareness
- Communicate your company's vision to a highly qualified scientific community

Various packages are available for your perusal or a tailor-made package can be developed based on your specific requirements (refer to separate sponsorship document).

ISE-APSS2024 Congress Chairperson/ ISE2024 President

Prof. Namrita Lall, University of Pretoria

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Logistical Arrangements and Sponsorship

Carlamani Conferences and Events

Email: ise-apss2024@carlamani.com