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ISE NEWSLETTER DECEMBER 2023

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1. President's message



As the newly selected president for the ISE, I would just like to express my gratitude to all those individuals who have helped me navigate this position. I express my deep honour to serve and hopefully bring along some renewed interest in ethnopharmacology and all that it encompasses.

Along with my selection we have also selected a new board that will be serving for the next 2 years.

The new board members are as follows:

Prof Rudolph Bauer (Austria)

Prof Jacobus Nicolaas Eloff (South Africa)

Prof Pulok Mukherjee (India)

Prof Anastasia Karioti (Greece)

Prof Javier Echevarria (Chile)

Prof Hung Rong Yen (Taiwan)

Prof Thomas Brendler (USA)

Dr. Fabien Schultz (Germany, Young Researcher Representative)

Dr. Marco Leonti (Italy, Secretary)

Prof Domenico Delfino (Italy) was elected by the board to serve as the President Elect

Prof Guenter Vollmer serving as the Past President.

The board has also appointed new auditors:

Dr. Anna-Mari Kok (South Africa)

Dr. Amit Kar (India)

2. Past conference:

The 22nd International Congress for the International Society for Ethnopharmacology (ISE) and the 10th International Congress of the Society for Ethnopharmacology (SFE) was successfully hosted from 24-26 February 2023 at the City Convention Centre, Imphal, Manipur, India.



**International Bioresource Conclave &
Ethnopharmacology Congress
(ISESFEC 2023)**

**22nd International Congress of
International Society for Ethnopharmacology**

&

**10th International Congress of
Society for Ethnopharmacology**

**“Reimagine Ethnopharmacology:
Globalization of Traditional Medicines”**

February 24-26, 2023

IMPHAL, MANIPUR, INDIA

Jointly organized by:

Institute of Bioresources & Sustainable Development (IBSD)

Imphal, Manipur, India

www.ibsd.gov.in

Society for Ethnopharmacology (SFE)

23/3 Saktigarh, Kolkata

www.ethnopharmacology.in



Venue: City Convention Centre, Imphal, Manipur, India

The congress was inaugurated on 24th April 2023 by Dr. Rajkumar Ranjan Singh, Hon'ble, Minister of State, Ministry of External Affairs and Education, Govt. of India, Shri. Th. Biswajit Singh, Hon'ble Minister of Environment, Forest and Climate Change and Power, Agriculture, Science & Technology, Govt. of Manipur, India, Shri. Leishemba Sanajaoba, Hon'ble Member of Parliament, Rajya Sabha, Govt. of India, Dr. Rajesh S Gokhale, Secretary, Department of Biotechnology, Ministry of Science & Technology, Govt. of India, Shri Sekhar Dutt, Former Governor of Chhattisgarh, India & Former Secretary, Ministry of Defence; Ministry of AYUSH, Govt. of India, Prof. Gunter Vollmer, President, ISE, Emeritus Professor, Faculty of Biology, Dresden University of Technology, Germany, Shri Birendra K. Sarkar, President, Society for Ethnopharmacology, India, Kolkata, Prof. Marco Leonti, Secretary, ISE & Dept of Biomedical Sciences, University of Cagliari, Italy, Dr. C. K. Katiyar, Vice President, Society for Ethnopharmacology, Kolkata, India, Mr. Indraneel Das, Vice President, Society for Ethnopharmacology, Kolkata, India, Dr. Subhash C Mandal, Secretary, Society for Ethnopharmacology, India, Kolkata, Dr. Nanaocha Sharma, Organizing Secretary, ISE-SFEC 2023 & Scientist, Institute of Bioresources & Sustainable Development, Imphal, India. Prof. Pulok K Mukherjee, Chairman, ISESFEC 2023 & Director, Institute of Bioresources & Sustainable Development, Imphal, India followed by the welcome speech and brief about the congress by Prof. Pulok K Mukherjee.

There were about 1500 registered delegates participating from different fields including Pharmacy, Ayurveda, Medical, Dental and Life sciences. There were 35 speakers from different countries and 72 national speakers from reputed research organisations and industries participated in the conference. The Scientific session comprised of 20 keynote lectures and 82 plenary sessions.

During the three Keynote lecture sessions, a total of 9 lectures were delivered by eminent scientists of India and abroad including Prof. S K Sopory, India; Prof. Thomas Efferth, Germany; Prof. Alvaro M Viljoen, South Africa; Prof. Gunter Vollmer, Germany; Dr. K. Thangaraj, Director, India and Prof. Satyajit D. Sarker, United Kingdom; Prof. Partha Pratim Majumder, India; Prof. Alexander Shikov, Russia and Dr. Ashiho Asosii Mao, India, highlighting insights of Ethnopharmacology and medicinal plant research for the development of next generation alternative therapeutics.

A total of 15 plenary sessions were organised during the three-day congress highlighting on the challenges and global perspective of Bioresources Development and exploration of its therapeutic efficacy. A special session on “Liver health”, “women health”, “One Health” and “Ashwagandha” was also organized and eminent speakers from India and abroad joined in these sessions and delivered their lectures on the above-mentioned topics. Dr. Diamanto M. Lazari, Greece; Dr. K. Suresh Babu, India; Prof. Jacobus Nicolaas Eloff, South Africa; Prof. Pallab Kanti Haldar, Kolkata; Dr. Roy Upton, USA; Dr. Rabinarayan Acharya, New Delhi, India; Dr. T. Bilashini Devi, India; Prof. Bhushan Patwardhan, New Delhi; Dr. Arun Bandyopadhyay, India; Prof. Marco Leonti, Italy; Dr. Bob Allkin, United Kingdom; Dr. Debprasad Chattopadhyay, India; Prof. Sitesh C Bachar, Bangladesh; Prof. Rajib Bandyopadhyay, India; Dr. Sanjay Kumar, India; and Dr. Caroline Weckerle, Switzerland.

The Society for Ethnopharmacology conferred the following 15 awards in the presence of Dr. Rajesh S Gokhale, Secretary, Dept. of Biotechnology, Govt. of India, New Delhi to eminent personalities and researchers by SFE for their excellence in promotion and development of medicinal plant research and ethnopharmacology.

a) SFE - Lifetime Achievement Award - “Sibeswar Saha Memorial Award” - 2023

Awardee: Professor Sudhir K. Sopory, Senior Emeritus Scientist, International Centre for Genetic Engineering and Biotechnology, New Delhi, India

b) SFE - Outstanding International Ethnopharmacologist Award- “Pranab Banerji Memorial Award” - 2023

Awardee: Prof. Satyajit D Sarker, Professor and Director, School of Pharmacy and Biomolecular Sciences, Liverpool John Moores University, Liverpool, UK

c) SFE - Outstanding National Ethnopharmacologist Award -“Harihar Mukherjee Memorial Award” - 2023

Awardee: Dr. Guruaribam Shantibala Devi, Professor (Retd.), Department of Life Sciences, Manipur University, Manipur

d) SFE - ZANDU Award for “Best Research on Plant Drugs” instituted by Emami Ltd., Kolkata – 2023

Awardee: Prof. Alvaro M. Viljoen, Director, SAMRC Herbal Drugs Research Unit, South Africa

e) SFE - Outstanding Service Award “Pratim Banerji Memorial Award” supported by Parkar Robinson Pvt. Ltd., Kolkata -2023

Awardee: Dr. Lal Hingorani, Managing Director, Pharmanza Herbal Pvt. Ltd., Director, Pharmanza (India) Pvt. Ltd., Gujarat, India

f) SFE- T. Sen Oration Award – 2023

Awardee: Dr. Caroline Sonja Weckerle, Head - Academic affairs, Botanical Garden, Institute of Systematic and Evolutionary Botany University of Zurich, Switzerland

g) SFE – Herbal Industry Leader Award “Dr. Shivaji Rao Kadam Award-2023

Awardees: Sami - Sabinsa Group Limited, Bengaluru, Karnataka, India

h) SFE-Special Recognition Awards

“Dr. Subodh Chandra and Mamata Mukherjee Memorial Award”-2023

Awardees: Dr. Sanjay Kumar, Director, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh

i) SFE-Special Recognition Awards – 2023

Prof. Nongmaithem Rajmuhon Singh, Vice-Cancellor, Dhanamanjuri University (DMU), Imphal, Manipur

j) SFE-Outstanding Local Chapter Award - 2023

Awardee: Dr. Nanaocha Sharma, Coordinator, Eastern Himalaya Local Chapter, SFE-India

k) SFE - Outstanding International Ethnopharmacologist Award – 2021

“Pranab Banerji Memorial Award-2021” - instituted by the Society for Ethnopharmacology

Awardee: Prof. Thomas Efferth, Director, Institute of Pharmaceutical and Biomedical Sciences Johannes Gutenberg University, Mainz, Germany

l) SFE – Best Publication in Ethnopharmacology and Traditional Medicine Research Award

“Dr. Nirmal Kumar and Nirupama Chatterjee Memorial Award” - 2023

Awardee: i) Dr. Minakshi Bhattacharjee received the award for the article entitled, “Natural furin inhibitor(s) as potent therapeutic molecule to mitigate SARS-CoV-2 infection”

ii) Dr. Prasoon Gupta received the award for the article entitled, “Heterorhabdus and Photorhabdus Symbiosis: A Natural Mine of Bioactive Compounds”

iii) Dr. (Mrs.) Arulmozhi received the award for the article entitled, “Standardization and Ameliorative effect of Kalyanakaghrita in β -amyloid induced memory impairment in Wistar rats”



Figure 2.1 Annual award ceremony during the ISESFEC 2023



Figure 2.2 Organizing committee of ISESFEC 2023

Scientific Sessions

The three-day congress provided opportunities for delegates from many facets of the biological sciences, ethnopharmacology, and health sciences to present their research through E-oral, E-poster, Oral, and Poster presentations. A total of more than 90 oral presentations were conducted during the congress. Out of these, the best 31 oral presentations by the young researchers were shortlisted for the “Young Ethnopharmacologist Award competition”. The remaining oral presentations were assessed by professionals from academia and health care industries.



Figure 2.3 Poster presentation during ISESFEC 2023



Figure 2.4 Oral Presentation during ISESFEC 2023

Traditional Healers’ Conclave:

One of the major highlights of this congress was the Traditional Healers’ Conclave: “Traditional Healthcare Practices - Exploring Ancestral Medicine”, as SFE India is working on the aim of globalising local knowledge and localizing global technology. Dr. Lal Hingorani, India, Dr. Arun Bandyopadhyay, India and Dr. Th. Sabita Devi, India were the guests of honour for this session and inaugurated the conclave. Dr. Heena Tabassum, Scientist, Indian Council of Medical Research, India was one of the lead speakers of this session and highlighted her knowledge on “Leveraging Traditional Medicine Research: Way Forward”. Many healers from 17 different states of India have joined the ethnopharmacology conclave and shared their valuable knowledge on traditional and folklore practices to manage human health.



Figure 2. 5 Participants attending the Traditional Healers’ Conclave during ISE-SFEC 2023



Figure 2.6 Traditional Healers’ Conclave during the ISE SFEC 2023

***i*-Connect program: Business Meet**

A special programme was scheduled in the congress entitled ‘*i*-Connect program: Business Meet’. Dr. Jitendra Singh, Hon’ble Union Minister of State (Independent Charge) of the Ministry of Science & Technology, Ministry of Earth Sciences, Union Minister of State in the Prime Minister’s Office, Ministry of Personnel, Public Grievances & Pensions, Minister of State in the Department of Atomic Energy and Department of Space, Govt. of India was the chief guests of this session. Dr. Rajkumar Ranjan Singh, Hon’ble, Minister of State, Ministry of External Affairs and Education, Govt. of India and Dr. Rajesh S. Gokhale, Secretary,

Department of Biotechnology, Ministry of Science and Technology, Govt. of India, New Delhi also formed part of the guests of honour for this session. Many representatives from different industries related to ethnopharmacology and within the health care field were represented in this session and interacted with each other. An exhibition by several companies was organised at the exhibition hall during the three-day congress.

Panel Discussion: Publication ethics

Many editors from renowned journals participated in this session, interacted with each other and shared their expertise. Prof. Alvaro M. Viljoen, Editor, Journal of Ethnopharmacology, Prof. Michael Heinrich, Editor, Frontiers in Pharmacology, Prof. Bhushan Patwardhan, Editor, Journal of Ayurveda & Integrative Medicine, Dr. Tapan K Mukherjee, Former Editor, NISCAIR-IJT, Prof. Satyajit D Sarkar, Editor, Phytochemical analysis, Prof. Thomas Efferth, Editor, Phytomedicine, Dr. C K Katiyar, Guest Editor, Journal of Ethnopharmacology, Prof. Jacobus Nicolaas Eloff, Former Editor, South African Journal of Botany, Prof. Marco Leonti, Associate Editor, Journal of Ethnopharmacology, Prof. Alexander Shikov, Associate Editor, Journal of Ethnopharmacology, Dr. Gudrun Ulrich-Merzenich, Editor, Synergy, Dr. Dominico Delfino, Associate Guest Editor, Frontiers in Pharmacology, Prof. Pulok K Mukherjee, Consulting Editor, Pharmacological Research and Dr. Milen Georgiev, Associate Editor, Phytomedicine were present in this session.

During the congress there was a valedictory session where the six best presenters of the “Young Ethnopharmacologist” sessions were Awarded as Young Ethnopharmacologists and the “Prof. P.K. Debnath memorial award 2023” instituted by SFE India. Ten participants in each poster and oral presentation session were awarded with the “Best Oral Presentation” and Best Poster Presentation” award. Twelve participants from e-oral and e-poster sessions were awarded with “Best e-Oral Presentation” and “Best e-Poster Presentation”.





Figure 2.7 Valedictory Session of ISE SFEC 2023 on 26.02.2023 at Imphal, India

The conference provided an ideal platform to the participants to present their research work, interact, discuss and disseminate ideas amongst the distinguished professionals, eminent technologists, industrialists and traditional health care professionals. All the participants had a wonderful and fruitful learning experience during these three days' mega events and our organising team received overwhelming feedback from everyone. At the end it was announced that the next international congress of Society for Ethnopharmacology (SFE) will be hosted by the Jammu Local Chapter of society for Ethnopharmacology during February 16-18, 2024.

3. Upcoming conferences:

3.1 The 23rd International Congress of the International Society for Ethnopharmacology & the 2nd International Congress of the African Phytomedicine Scientific Society (ISE-APSS 2024)

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 the current topics and future prospects of the study on the traditional systems of medicine and the ethnopharmacology of natural drugs worldwide.

The aim of the congress will be 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*.

For more information and details surrounding the abstract submission please find attached hereto the link for the congress website:

<https://ise-apss2024.carlamani.com/>



3.2 The 24th International Congress of the International Society for Ethnopharmacology

Folks, mark your calendars!

The 24th International Society of Ethnopharmacology's (ISE) annual meeting of 2025 will be co-hosted by the International Conference on the Science of Botanicals (ICSB) in lovely Oxford, MS, USA, from April 6-10, 2025. ICSB is supported by a cooperative agreement between the NCNPR and the Center for Food Safety and Applied Nutrition (CFSAN) at the U.S. Food and Drug Administration (FDA), and co-sponsored by the Shanghai Institute of Materia Medica/ CAS, China; the Council of Scientific and Industrial Research (CSIR - India); the Ministry of Indigenous Medicine, Sri Lanka; the American Society of Pharmacognosy (ASP); the Society for Medicinal Plant Research (GA); the Korean Society of Pharmacognosy (KSP) and the Japanese Society of Pharmacognosy (JSP).

This joint meeting will focus on all aspects of medicinal and aromatic plant research and include international and national participants from industry, academia, and non-profit institutions. Each session will open with a plenary speaker outlining the current approaches, limitations, and research needs of the topic area. Speakers are leading researchers from industry, academia, non-profit institutions, trade associations, and government. The tremendous opportunity for international exchange among these representatives, participants, and students on important and timely scientific botanical issues is a hallmark of this event. Stay tuned for further details.



3.3 The 25th International Congress of the International Society for Ethnopharmacology

The 25th congress of ISE will take place in Perugia (Italy), organized by Prof. Delfino and Prof. Leonti. The proposed dates are yet to be announced but include either the last weekend of September or the first weekend of October.

Originally planned in 2025, the congress will be moved to 2026 due to the concurrent organization of the GA meeting also taking place in Italy in 2025.

The proposed theme is: "Ethnopharmacology as a bridge between cultures and sciences". The topics of the congress will focus on the classic themes of ethnopharmacology (phytochemistry, botany, pharmacology, medicine) but will include other kinds of cultural expressions and sciences, such as art, sociology, anthropology, history, philosophy, archaeology and economics.

The city of Perugia has confirmed the availability of the 'Sala dei Notari', a medieval hall, completely frescoed, with a capacity for approximately 250 people. The congress will most likely continue in the main building of the University of Perugia, one of the oldest in Italy looking back on ca. 700 years of history.

25° International Congress of International Society for Ethnopharmacology



University of Perugia, Italy

26-28 September/ 3-5 October 2026

Ethnopharmacology as a bridge between science and cultures

4. Volkswagen Summer School

Volkswagen (VW) Summer School: Ethnopharmacological relevance: from bench to shelf, including intellectual property and bioprospecting acts

Professor Namrita Lall hosted the Volkswagen (VW) Summer school in collaboration with Dr. Cica Vissiennon from the University of Leipzig, Germany. The VW Summer School took place from 15 to 19 May 2023 at the University of Pretoria, Future Africa Campus, in association with the Volkswagen Stiftung (Germany) and the International Society for Medicinal Plant and Natural Products research. The theme of the summer school was “Ethnopharmacological relevance: from bench to shelf, including intellectual property and bioprospecting acts”.



Figure 4.1 Speakers and organizers for the VW Summer School

The summer school aimed to provide training to African and European researchers with regards to applied research and to establish a platform for future collaborations. Lectures covered all steps necessary to commercialize a product, starting with field studies, spanning over *in vitro*/pre-clinical studies as well as conducting clinical trials. Intellectual property rights, bioprospecting acts and sustainable harvesting of medicinal plants were important issues which were discussed. Focus was also on the quality control and standardisation of medicinal plant products, of interest.

In total, 114 researchers responded to the call of participation by the organizers. A total of 24 scholars were selected (MSc, PhD, and postdoctoral fellows) of which 18 hailed from African countries and 6 from European countries. Nineteen speakers from various countries including South Africa (Prof Namrita Lall, Dr. Anna-Mari Kok , Dr. Marco De Canha, TDr Ephraim Cebisa Mabena, Prof Lyndy McGaw, Dr. Danielle Twilley, Portia Hlako, Bianca Payne, and Dr. Judey Pretorius), Uganda (Dr. Godwin Anywar), Ghana (Prof Emelia Oppong Bekoe), Switzerland (Prof Emerson Queiroz), Germany (Jazmin Ponce Gomez and Prof Günter Vollmer), Mauritius (Prof Ashish Wadhvani), Greece (Prof Eleni Skaltska), Sudan (Prof Sami Khalid), UAE (Prof Naglaa Saad), and Burkina Faso (Prof Sylvain Ouedraogo) participated in the summer school. They shared their in-depth knowledge in their respective fields of expertise with regards to natural products.

Speakers and attendees of the VW Summer school 2023 at the Future Africa Campus of the University of Pretoria (May 15-19th 2023)

Furthermore, to the several keynote lectures provided by the keynote speakers, the traditional health practitioner Dr Ephraim Cebisa Mabena from the Mothong Cultural Heritage Trust, South Africa; also presented a talk on indigenous medicines.

Ms. Jazmin Ponce Gomez from the University of Leipzig, Germany, presented a very intriguing lecture on how to build a business model after which participants participated in brainstorming sessions in which they had to design their own business models.

The summer school provided the participants the opportunity to engage in a practical session where they had hands-on experience on learning the formulation of lip balm, lipstick, and soaps. The presentations presented by the different groups were remarkable, and presenters were very well prepared. The presentations were assessed, and the top presenters were chosen to receive awards.



Figure 4.2 Winners of the Business Canvas presentation. From left to right: Ms. Jazmin Ponce (Business model presenter), Dr. Michael Famuyide (Nigeria, conducting his postdoctoral fellowship in South Africa), Jonathan Jato (Ghana), Toluwanimi Akinleye (Nigeria), Prof Namrita Lall (The host of the VW Summer school), Robi Chacha (Kenya), Emmanuel Orman (Ghana), and Anna Quartey (Ghana)

Full details of the VW Summer School can be found on the ISE website (<https://ethnopharmacology.org/volkswagen-summer-school-2023-a-photo-essay/>)

The African Phytomedicine Scientific Society



Introduction and about APSS

The African initiative: I am proud to announce that the African initiative previously developed under the umbrella of ISE and GA, has successfully started as a standalone society with their first congress taking place in Pretoria, South Africa from 9-10 November 2023. This was a huge success! More information can be found in the current newsletter.

Although focussed on academia, the society encourages the participation of all role-players in the natural products chain. From the initial ethnobotanical selection of medicinal plants by Traditional Health Practitioners to the final stage of pharmaceutical development by industry representatives, APSS encompasses a multi-disciplinary effort to provide, to connect and to promote phytomedicinal research and development in Africa.

“There are no incurable diseases — only the lack of will. There are no worthless herbs —only the lack of knowledge.”

APSS Vision and Mission

The African Phytomedicine Scientific Society aims to serve as a collaborative African research network on medicinal plants and natural products, to serve as a platform to represent Africa’s rich biodiversity and world class researcher sand role-players, and finally the society aims to foster scientific alliance, to promote collaboration between African natural product

chain representatives and to contribute to the advancement of phytomedicine on the African continent.

APSS Membership Progress



50 new members in 2023



Over 10 countries represented

The 1st International Congress of the African Phytomedicine Scientific Society

The APSS team is thrilled to share the resounding success of the 1st International Congress of the African Phytomedicine Scientific Society, which took place at the prestigious University of Pretoria on the 9th to the 10th of November 2023. This milestone event brought together a diverse assembly of esteemed researchers, practitioners, and enthusiasts from across the globe, united by a common passion for advancing phytomedicine in the African context.

The congress proved to be a dynamic platform for intellectual exchange, collaborative discussions, and the sharing of cutting-edge research. The congress was honoured to have distinguished keynote speakers, renowned scholars, and Traditional Health Practitioners, whose invaluable insights enriched the scientific dialogue and contributed to the holistic understanding of phytomedicine.

Highlights of the congress included engaging panel sessions, interactive workshops, virtual and in-person oral presentations as well as numerous poster presentations that showcased ground-breaking research. The vibrant atmosphere fostered networking opportunities, enabling participants to forge new connections and strengthen existing collaborations.



Figure 5.1 Attendees of the 1st International Congress of the African Phytomedicine Scientific Society

The 1st Collaborative E-Seminar of the African Phytomedicine Scientific Society

The first collaborative E-seminar featuring the Society for Medicinal Plant and Natural Product Research (GA), The International Society for Ethnopharmacology (ISE), and the African Phytomedicine Scientific Society (APSS) took place on Friday, the 17th of November 2023, at 15:00pm (SAST) on Zoom, emerged as a resounding success. This landmark event brought together diverse perspectives from three prominent South African industry speakers, fostering a rich exchange of ideas and insights within the realm of

medicinal plant science and ethnopharmacology. The seamless coordination and dynamic presentations by distinguished speakers created an engaging platform that transcended geographical boundaries. Attendees were treated to a wealth of knowledge, establishing a precedent for future collaborative initiatives. The success of this E-seminar underscores the potential for impactful global cooperation in advancing research and understanding in the field of medicinal plants and natural products.

6. Scientific articles of interest

6.1 Where to begin? The best publications for newcomers to ethnopharmacology

Jahil, B.; Schultz, F.; Heinrich, M.: *Frontiers in Pharmacology*, Volume 14, 2023, <https://doi.org/10.3389/fphar.2023.1141502>

This mini-review offers a overview on the fast-evolving field of ethnopharmacology. Based on a survey, this paper offers a review of the 30 best papers and books for newcomers in the field. It covers relevant areas within ethnopharmacology and gives examples from all the core regions where ethnopharmacological research is being conducted.

6.2 Efficacy and safety of *Melaleuca alternifolia* (tea tree) oil for human health— A systematic review of randomized controlled trials

Kairey, L., et al., *Frontiers in Pharmacology*, 2023. 14.

<https://www.frontiersin.org/articles/10.3389/fphar.2023.1116077/full>

Leaves of the Australian tea tree plant *Melaleuca alternifolia* were used traditionally by First Nations Australians for treating wounds, burns, and insect bites. Tea tree oil, the essential oil steam-distilled from *M. alternifolia*, is well-known for its medicinal properties, the evidence for most applications however is limited. This review aimed to critically appraise evidence from clinical trials examining the therapeutic efficacy and safety of tea tree oil on outcomes.

6.3 How to approach a study in ethnopharmacology? Providing examples of the different stages of research for newcomers to the field today

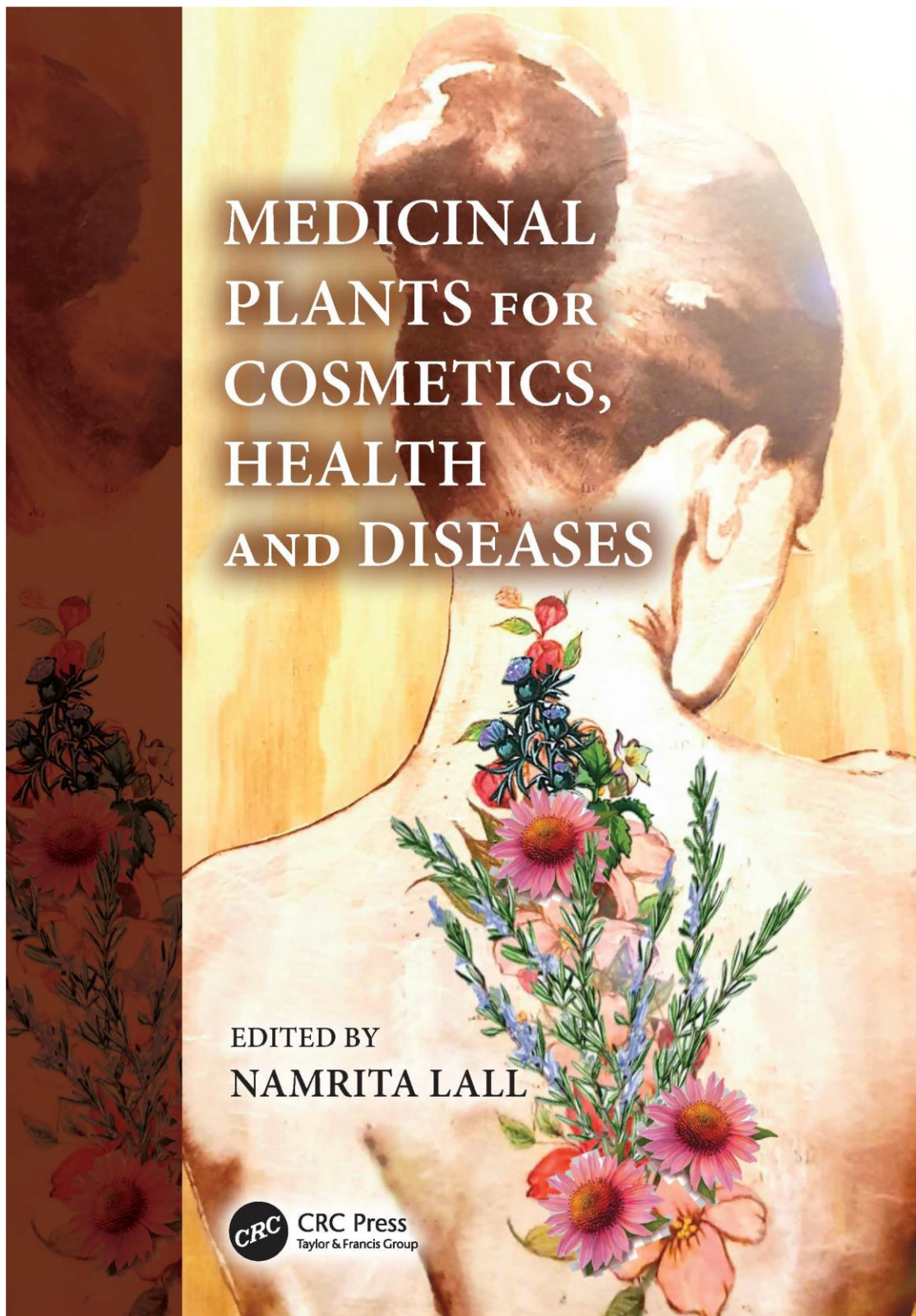
Schultz, F.; Garbe, L.-A., *Pharmacology, Research & Perspectives*, Journal of the British Pharmacological Society, 023 Aug;11(4):e01109.

<https://pubmed.ncbi.nlm.nih.gov/37497567>

This mini review offers a brief introduction to the science of ethnopharmacology, highlighting some of its past most notable achievements and future prospects. In addition, this article provides an example for newcomers to the field of how to address different stages that may be involved in conducting ethnopharmacological field and lab studies, including early-stage drug discovery and community work.

Major bottlenecks and solutions are provided, and the current social media channels with educational ethnopharmacological content are briefly introduced.

7. New book: Medicinal Plants for Cosmetics, Health and Diseases



Medicinal Plants for Cosmetics, Health and Diseases

Edited by Namrita Lall

“A book is like a garden carried in the pocket.” – Chinese proverb

This Chinese proverb simply means; reading helps cultivate the richness of one’s intellectual character, which correlates with the feeling one will have upon reading this book. The book, “Medicinal Plants for Cosmetics, Health and Diseases”, describes relevant diseases and ailments that occur worldwide including acne, various cancers, eczema and obesity, among others.

The intended target audience includes students, lecturers and researchers engaged in tertiary education, R&D scientists, pharmaceutical and/or natural product industry representatives, as well as health organizations. This hands-on guide is effectively illustrated, informative, and easy to read, thereby proving to be an accessible and invaluable companion to professional and amateur naturalists.

Key features

- Provides details on a broad range of relevant diseases and conditions that are prevalent throughout the world. This includes diseases such as cancer, tuberculosis, sexually transmitted diseases as well as conditions such as acne, wrinkle formation and eczema.
- Each chapter will provide a list of plants and phytochemicals found worldwide that have shown potential in treating these various diseases and conditions. The detail documented on each disease and condition is not commonly covered in medicinal plant-based books nor is the number of plants and plant-based compounds that have been listed.
- The contents of this book highlights not only the need for a greater understanding of prevalent diseases contributing greatly to the disease burden but also emphasises the importance and role of medicinal plants and plant-based compounds in combating this.

8. Code of Conduct



International Society for Ethnopharmacology Code of Conduct for Meetings and Other Events

Code of conduct: The society has successfully adopted a code of conduct as a guideline for social interactions at conferences.

All members of the International Society for Ethnopharmacology (or attendees of the Society's events) are required to follow the Society's Code of Conduct for Meetings. This includes, but is not limited to, any society conference, other meeting, function, event, or professional activity. Behaviour of the Society's members reflects on the reputation of the Society and should create a safe and professional atmosphere free of harassment, stalking, threats, abusive conduct and bullying whether physical or verbal.

Any member or attendee participating in these unwanted behaviours risks expulsion (without refund) from the event and the Society as well as further consequences including the involvement of local law enforcement. Society members (and attendees of society's events) are expected to:

- Fully respect and actively support the diversity we represent including ethnicity, national origin, religion, gender, sexual orientation, gender identity or expression, civil union or marital status, age, citizenship status, disability, pregnancy, ancestry medical condition or any other personal characteristic. Harassment on any of these grounds will not be tolerated.
- Not sexually harass another in the form of unwanted behaviour of a sexual nature whether physical or verbal that includes, but is not limited to, unwelcome sexual advances or requests for sexual favours.
- Present research and statements on other cultures or individuals in a respectful manner. Freedom of speech, freedom of thought, freedom of expression and freedom of assembly and association are a core foundation of all academic activities. Critical assessments and research

on wider societal / cultural matters are of course, welcome. However, the respect of an individual's rights, privacy and personal views is paramount.

- Enable oral and poster presentations to be conducted in such a way that the speakers / presenters can fully express their thoughts. Purposeful disruptions will not be tolerated.
- Not record or transmit audio, video, or images of oral or poster presentations without author approval.
- Speak up if a member (or event attendee) has done or is doing something that is against the Society's Code of Conduct or Guidelines on Ethics and support the member who is raising the complaints*. Retaliation will not be tolerated.

*After reporting the complaint to the president and a senior member of the organizing committee necessary steps will be undertaken to resolve the situation (contact information can be found on the Society website or at the registration desk at meetings).