



6th International Congress of

**Society for Ethnopharmacology, India
(SFEC 2019)**

www.ethnopharmacology.in

Manipal, Karnataka, India

February 8-10, 2019

*"Medicinal plants and traditional medicine-
ethnopharmacology at the interface of
local and global needs."*

Organized by

Manipal college of Pharmaceutical Sciences

&

Center for integrative Medicine and Research

Manipal Academy of Higher Education

Manipal, Karnataka, India

www.manipal.edu

In association with

Society for Ethnopharmacology, India

Saktigarh, Jadavpur, Kolkata, India

www.ethnopharmacology.in

**6th International Congress of
Society for Ethnopharmacology, India (SFE - India)
[SFEC - 2019]**

**"Dedicated to Dr. Pratim Banerji,
Former President, SFE-India"**

PROGRAMME SCHEDULE

Day 1: Friday: February 08, 2019

Registration: 08:30 AM – 10:00 AM

Venue: Dr T M A Pai Halls (Hall No. 3)

INAUGURATION: 9:30 AM – 11:30 AM

Venue: Dr TMA Pai Halls (Hall No. 3)

Manipal Academy of Higher Education, Manipal, Karnataka

**INAUGURATION OF 6TH INTERNATIONAL CONGRESS
OF SFE-INDIA (SFEC 2019)**

AND SFE-INDIA ANNUAL AWARD PRESENTATIONS

Tea-Break : 11.30 AM – 11.45 AM

SESSION I : 11:45 – 01:30 PM

Dr. TMA Pai Halls (Hall No. 3)

Chairpersons:

Dr. N Udupa, Organizing Chairman, SFEC 2019 & Research Director (Health Sciences), Manipal Academy of Higher Education, Manipal

Dr. Indraneel Das, Vice President, Society for Ethnopharmacology, India

Speaker

Title

Lecture 1:

Dr. Pulok K Mukherjee
Chairman, Scientific Services
ISE-SFEC- 2018 &
Secretary, SFE-India
Kolkata, India

Introduction about the Congress:
"Medicinal Plants and Traditional Medicine –
Ethno-pharmacology at the Interface of Local and
Global Needs "

Lecture 2: "Bisheswar Saha Memorial Award" Lecture

Dr Manju Sharma
Former Secretary
Department of Biotechnology
Govt. of India, New Delhi

"Utilization of Bioresources, Development and
Application of Traditional Medicine for Human
Welfare"

Lecture 3:

Dr. Bhushan Patwardhan
Vice Chairman, University Grant
Commission, New Delhi, India

"Ethnopharmacology and Network Pharmacology"

Lecture 4:

Dr. Caroline S. Weckerle
Institute of Systematic and Evolutionary
Botany, University of Zurich, Zurich,
Switzerland

"Standards for conducting and reporting
Ethnopharmacological Field Studies"

LUNCH BREAK

TIME: 01:30 PM - 02:30 PM

VENUE: MAHE Food Court 3rd Floor

SESSION II: 02:30 PM – 03:45 PM
INTERACT - Hall Ga

Chairpersons:

Dr. Sreenivasa M. Reddy, Dept. of Pharmaceutics, Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Education, Manipal, India
Dr. George Patani, Director, Inga Labs, Mumbai

Speaker	Title
Lecture 5: “SFE-Pranab Banerji Memorial Award” Lecture	
Dr. JN (Kobus) Eloff Faculty of Veterinary Medicine University of Pretoria Pretoria, South Africa	“Developing a product with higher in vitro and in vivo activity than commercial fungicides on fungal phytopathogens”
Lecture 6:	
Prof. Günter Vollmer Molecular Cell Physiology and Endocrinology Institut für Zoologie Technische Universität Dresden Zellescher, Dresden, Germany	“Dual pathway activation by natural compounds as key to breast cancer prevention?”
Lecture 7:	
Prof. Subhra Chakraborty National Institute of Plant Genome Research Jawaharlal Nehru University Campus New Delhi, India	“Engineering food crops for combating oxalate toxicity towards better plant and human health”
Tea-Break : 3:45 PM – 04:15 PM (Poster Viewing)	
SESSION III: 02:30 PM – 03:45 PM: Interact - Hall Gb	
Chairpersons:	
Prof. Md. Abdur Rashid , Department of Pharmaceutical Chemistry, Faculty of Pharmacy University of Dhaka, Bangladesh Dr. Saleemulla Khan , Principal, P A College of Pharmacy, Mangalore, India	
Speaker	Title
Lecture 8:	
Dr. Olatunde Peter Ajagbonna Faculty of Veterinary Medicine University of Abuja, Nigeria.	“Chronotherapeutic influence of medicinal plants in myocardial infarction; our experience with <i>Musanga cecropioides</i> (MCW) in rats.”
Lecture 9:	
Dr. Subhash C Mandal Directorate of Drugs Control Dept. of Health & Family Welfare, Kolkata, India	“Ashwagandha and its Formulations: Varying Regulatory status round the globe”
Lecture 10:	
Dr. Ajay Sharma Amity Institute of Pharmacy, Amity University of Madhya Pradesh Gwalior, India	“Medicinal Plants and Traditional Medicine – Ethno-pharmacology at the Interface of Local and Global Needs”
Lecture 11:	
Dr. Mamta KV SDM College of Ayurveda Udupi, India	“Critical analysis of traditional Suthika Paricharya (puerperal care) vaning art in restoring maternal health”

Tea-Break : 3:45 PM – 04:15 PM (Poster Viewing)

SESSION IV: 04:15 PM – 05:30 PM:

Interact - Hall Ga

Chairpersons:

Dr. D Chamundeeswari, Coordinator, Chennai Local Chapter, SFE-India ; Faculty of Pharmacy, Sri Ramachandra University, Porur, Chennai

Dr. Bernd Merzenich, AG Synergy Research and Experimental Medicine
University Clinic Centre Bonn, Germany

Speaker	Title
Lecture 12: “SFE Special Recognition Award” Lecture	
Dr. Harpal S. Buttar Faculty of Medicine University of Ottawa Ottawa, Canada	“Clinically relevant interactions between drugs, herbal remedies and fruit juices: mechanisms of interactions and prescribing strategies”
Lecture 13:	
Dr. Devinder Arora School of Pharmacy Griffith University, Gold Coast Queensland, Australia	“Medicinal Plants and Traditional Medicine – Ethno-pharmacology at the Interface of Local and Global Needs”
Lecture 14:	
Dr Liaquat Ali Pothikrit Centre for Health Studies (PCHS), Sanskriti Bikash Kendra Bhaban Paribag, Dhaka, Bangladesh	“Basic defects of diabetes mellitus in Bangalee population implication for medicinal plant research”
Lecture 15: “SFE ZANDU Award” Lecture	
Dr Anand K Choudhary Dept. of Rasa Shastra Institute of Medical Sciences, Banaras Hindu University Varanasi, India	“Safety profile of Ayurvedic medicines – An ingenious review”

SESSION V: 04:15 PM – 05:30 PM

Interact - Hall Gb

Chairpersons:

Dr. Motlalepula G Matsabisa, Department of Pharmacology, University of the Free State,
Bloemfontein, South Africa

Dr. Basavaraj. S Hadapad, Division of Ayurveda, CIMR, Manipal Academy of Higher Education,
Manipal

Speaker	Title
Lecture 16:	
Dr. MNA Rao General Manager – R & D, Divi's Labs, Hyderabad, India	“Opium and its Alkaloids: An Indian Perspective”

Lecture 17:

Dr. A. Muthusamy

Department of Plant Sciences
School of Life Sciences
Manipal Academy of Higher Education
Manipal, India

“Morphological and physiobiochemical responses of salinity stress in *Withania somnifera* – A medicinal plant for polyherbal preparation”

Lecture 18:

Dr. Papiya Bigonia

DSKM College of Pharmacy,
RKDF University
Bhopal, India

“Safety assessment of phyto-pharmaceuticals following global standard guidelines”

Lecture 19:

Dr. G Shrinivas Acharya

Principal
SDM Ayurveda College
Udupi, India

“Effective treatment of lumbar radiculopathy with *lashuna* (*Allium sativum* Linn) rasayan”

CULTURAL EVENT: 06:00 PM – 07:30 PM

Dr. TMA Pai Halls (Hall No.3)

CONFERENCE DINNER

07:30 PM - 09:00 PM

Venue: MAHE Food Court 3rd Floor

Day 2: Saturday: February 09, 2019

SESSION VI: 09:30 AM – 11:00 AM:

Interact - Hall Ga

Chairpersons:

Prof. Subhra Chakraborty, National Institute of Plant Genome Research, Jawaharlal
Nehru University Campus, New Delhi, India

Prof. Günter Vollmer, Molecular Cell Physiology and Endocrinology, Institut für Zoologie
Technische Universität Dresden, Zellescher, Dresden, Germany

Speaker	Title
Lecture 20: Dr. Indraneel Das Managing Director Declibac Technologies (p), Ltd, Kolkata, India	“Abnormally Normal: presumed innocent until proven guilty”
Lecture 21: Dr. Zhang Hongjie School of Chinese Medicine Hong Kong Baptist University Hong Kong	“A concise antiviral evaluation system for discovery of antiviral compounds from plants in Lingnan region”
Lecture 22: Dr. Narendra Bhatt Consultant Ayurveda, National Professor & Visiting Scientist, Haffkine Research Institute, Mumbai, India	“Medicinal Plants and Traditional Medicine –Ethno- pharmacology at the Interface of Local and Global Needs”
Lecture 23: Dr. M. Fawzi Mahomoodally Faculty of Science University of Mauritius Réduit, Mauritius	“Ethnozotherapy in the mascarene archipelago”

Tea-Break : 11.00 AM – 11.30 AM (Poster Viewing)

SESSION VII: 11:30 AM - 01:00 PM

Interact - Hall Ga

Chairpersons:

Dr. Sathiyarayanan L., Coordinator, Pune Local Chapter, SFE-India & Poona College
of Pharmacy, Pune, Maharashtra, India.

Mr. Amitava Das, JD Konsaultanci, New Delhi

Speaker	Title
Lecture 24: Dr. D Chamundeeswari Faculty of Pharmacy Sri Ramachandra University Porur, Chennai	“Development of a nanotechnology based topical dosage form with selected medicinal plants for dermatophytes”

Lecture 25:

Dr. U V Babu
R & D, Himalaya Drug Company
Bengaluru, India

“Balancing Traditional Knowledge and Modern Science”

Lecture 26:

Dr. Pradeep Visen
Canada-India Collaborative Research on Natural Health Products
University of Toronto
Toronto, Canada

“Clinical Validation of Medicinal Herbs in the Management of Type-2 Diabetes”

Lecture 27:

Dr. Sayeed Ahmad
Faculty of Pharmacy,
Jamia Hamdard (Hamdard University),
Hamdard Nagar, New Delhi, India

“Metabolic Profiling of Medicinal Plants and Traditional Medicines for Globalization”

**SESSION VIII: 11:30 AM - 01:00 PM:
Interact - Hall Gb**

Chairpersons:

Dr Salahuddin, Principal, Farooqia College of Pharmacy, Mysuru

Dr. Rajesh Singh Pawar, Coordinator, Bhopal Local Chapter, SFE-India ; Director & Principal, Truba Institute of Pharmacy, TRUBA Campus, Bhopal, India

Speaker**Title****Lecture 28:**

Dr. Sathyanarayana B
Muniyal Institute of Ayurveda
Medical Sciences
Manipal, India

“Traditional research in ethnopharmacology with special reference to Ayurveda”

Lecture 29:

Dr. Hanumatachar Joshi
Sarada Vilas College of Pharmacy
Mysore, India

“Role of Medhya Rasayanas in Management of Neurodegenerative disorders”

Lecture 30:

Dr. Sitesh C Bachar
Department of Pharmacy
University of Dhaka
Dhaka, Bangladesh

“Analgesic and Anti-inflammatory Principles from Bangladesh Medicinal Plants”

Lecture 31:

Dr. Vijay Danapur
Vriksha Vijnan Pvt Ltd
Bengaluru, India

“Ethnotherapeutics and Drug Discovery”

CONFERENCE LUNCH

Time: 01:00 PM - 02:00 PM

Venue: MAHE Food Court 3rd Floor

SESSION IX: 2:00 PM – 05:00 PM

Tea Break: 03:30 PM – 4:00 PM (Poster Viewing)

Interact - Hall Ga

SFE-Young Ethnopharmacologist Competition – 2019

“Prof. PK Debnath Memorial Award”

Chairpersons:

Dr. Subhash C Mandal

Directorate of Drugs Control
Dept. of Health & Family Welfare,
Kolkata, India

Dr. Manjunath Setty

Manipal College of Pharmaceutical Sciences
MAHE, Manipal, India

Dr. Kiranmai S Rai

Melaka Manipal Medical College
MAHE, Manipal, India

Dr. Santanu Bhadra

Scientific Writer
Novartis Healthcare Pvt. Ltd, Hyderabad, India

Dr, K Sreedhara R Pai

Manipal College of Pharmaceutical Sciences
MAHE, Manipal, India

Dr. Srinivas Mutalik

Manipal College of Pharmaceutical Sciences
MAHE, Manipal, India

Dr. Pallab Kanti Haldar

Dept. of Pharmaceutical Technology
Jadavpur University, Kolkata

Dr Krishnamurthy Bhat

Manipal College of Pharmaceutical Sciences
Manipal, India

Abstract No.

SFE - GENERAL BODY MEETING: 05:30 PM - 07:00 PM

Interact – Hall Ga

CONFERENCE DINNER

07:30 PM - 09:00 PM

Venue: MAHE Food Court 3rd Floor

SESSION X: 02:00 PM - 05:00 PM
Tea-Break: 03:30 PM – 04:00 PM (Poster Viewing)
Interact - Hall Gb

SYNERGY SESSION

“Synergy Research on Natural Drugs and Compounds”

Chairpersons:

Dr. Caroline S. Weckerle, Institute of Systematic and Evolutionary Botany
University of Zurich, Zurich, Switzerland

Dr. JN (Kobus) Eloff, Faculty of Veterinary Medicine, University of Pretoria, Pretoria, South Africa

Speaker	Title
Lecture 32: Dr. Gudrun Ulrich-Merzenich Head, AG Synergy Research University Hospital, Medical Clinic III University of Bonn, Germany	“The Evolution of Contemporary Synergy Research and the Quantification of Synergism by the Combination Index Theorem”
Lecture 33: Dr. Pulok K Mukherjee Director School of Natural Product Studies Jadavpur University, Kolkata	“Synergy in Ayurveda and traditional Indian Systems of Medicine”
Lecture 34: Dr. Motlalepula G Matsabisa Director Department of Pharmacology, University of the Free State, Bloemfontein, South Africa	“Innovation and Product development – At Interphase of IK and Pharmacology Scientific Research The Pharmacology Research, Development and Value Addition of Traditional Medicines Research: Potential for Innovation and Commercialization for African Traditional Medicines”
Lecture 35: Dr. A. S. Raghavendra School of Life Sciences University of Hyderabad Hyderabad, India	“Plant Metabolomics as a powerful Tool to study medicinal Plants: Applications to Turmeric and Ginger”
Lecture 36: Dr. med. Günther Spahn Oncologist and Specialist for Internal Medicine, Mainz, Germany	“Synergistic and complementary Approaches in Cancer Treatment: Natural Medicines, targeted Therapies and cytostatic Drugs: potential Benefits or Risks?”

SFE - GENERAL BODY MEETING: 05:30 PM - 07:00 PM
Interact – Hall Ga

CONFERENCE DINNER

07:30 PM - 09:00 PM

Venue: MAHE Food Court 3rd Floor

SPECIAL PROGRAM

Day 2: Saturday: February 09, 2019

10:30 AM - 05:30 PM

INTERACT (Hall Gc)

ETHNOPHARMACOLOGY CONCLAVE

“Interactive Meet with Traditional Healers for Documentation of Local Health Traditions (LHTs) and Ethno Medical Practices (EMPs)”

INAUGURATION: 10:30 AM – 11:15 AM

Tea-Break : 11.15 AM – 11.30 AM

SECTION A: 11:30 AM - 01:00 PM

Chairpersons:

Dr. Prakash R. Itankar, Coordinator, Nagpur Local Chapter, SFE-India Department of Pharmaceutical Sciences, R. T. M. Nagpur University, Nagpur, India

Prof. Sangam Keshari Das, Head, Dravyaguna Vijnana, Gomantak Ayurveda Mahavidyalaya and Research Centre, Goa, India

Speaker	Title
Lecture 37: Prof. Pulok K Mukherjee Secretary Society for Ethnopharmacology Kolkata, India	<i>Introduction about the Conclave:</i> “Local Health Tradition (LHTs)- Drugs from our ancestors”
Lecture 38: Dr. N Srikanth Deputy Director General Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of AYUSH, New Delhi	“Local Health Traditions (LHTs) and Ethno-Medical Practices (EMPs): An Insight into Systematic Documentation & Drug Development”
Lecture 39: Dr. Shekhar Dutta Former Governor, Chhattisgarh Former Secretary of AYUSH, Govt. of India	“Traditional Medicine Systems: Evolution and Development in India”
Lecture 40: Traditional Healthcare Practitioners I	
Lecture 41: Traditional Healthcare Practitioners II	
Lecture 42: Traditional Healthcare Practitioners III	

SECTION B: 02:00 PM - 05:00 PM

Chairpersons:

Dr. Alka Mukne, Coordinator, Mumbai Local Chapter, SFE-India; Bombay College of Pharmacy, Mumbai, India

Dr. Sanmoy Karmakar, Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata

Speaker	Title
Lecture 43: "SFE-T. Sen Oration" Dr. T. K. Mukherjee Former Scientist CSIR-NISCAIR, New Delhi	"Traditional Medicine: Farm to Pharma"
Lecture 44: Dr. Hariramurthi G University of Trans Disciplinary Health Science and Technology Jarakabande, Bengaluru, India	"A participatory methodology to document traditional community healthcare practices"
Lecture 45: Dr. S Rajan Centre of Medicinal Plants Research in Homoeopathy, Central Council for Research in Homeopathy, The Nilgiris, Tamil Nadu	"Medicinal Plants used by the Primitive tribal Groups of Nilgiri District for their Health Care Preservation- A Global Perception"
Lecture 46: Dr. Prakash R. Itankar Department of Pharmaceutical Sciences R. T. M. Nagpur University, Nagpur, India	"Translational Research in Herbals: Moving from Past to Future"
Lecture 47: Dr. Pramod HJ Dept. of Pharm. Biotechnology KLE University, Belgaum, Karnataka, India	"Ethnomedicinal Practices by Traditional Healers from Belagavi Region"
Lecture 48: Traditional Healthcare Practitioners IV	
Lecture 49: Traditional Healthcare Practitioners V	
Lecture 50: Traditional Healthcare Practitioners VI	

SECTION C: 05:00 PM - 05:30 PM

Interactive session with Traditional Healers

The representatives of individual groups of Traditional healers from different parts of India will make interaction with Scientists, Doctors and Technologists based on their different activities from various places, states with varied culture and biodiversity.

SFE - GENERAL BODY MEETING: 05:30 PM - 07:00 PM

Interact – Hall Ga

CONFERENCE DINNER

07:30 PM - 09:00 PM

Venue: MAHE Food Court 3rd Floor

Day 3: Sunday: February 10, 2019

SESSION XI: 09:00AM - 11:15 AM: INTERACT - Hall Ga

Chairpersons:

Dr. T. K. Mukherjee, Former Scientist, CSIR-NISCAIR, New Delhi

Dr. C. Mallikarjuna Rao, Professor and Principal, Manipal College of Pharmaceutical Sciences, Manipal

Speaker	Title
Lecture 51: Dr. K Satyamoorthy School of Life Sciences Manipal Academy of Higher Education Manipal, India	“Control of Phenotypes by Prakriti Specific Epigenetic Modifications”
Lecture 52: Prof. Md. Abdur Rashid Department of Pharmaceutical Chemistry Faculty of Pharmacy University of Dhaka, Bangladesh	“Highly Oxygenated Bioactive Flavonoids From <i>Nicotiana plumbaginifolia</i> (Solanaceae)”
Lecture 53: Dr. R Govindarajan R&D, Zydus Wellness Ltd. Sigma Commer Zone, Ahmedabad, Gujarat	“ <i>Stevia rebaudiana</i> (Bert.) Bertoni – Sweetener and beyond”
Lecture 54: Dr. Sanmoy Karmakar Dept. of Pharmaceutical Technology Jadavpur University, Kolkata	“Challenges with natural products in DMPK profiling”

Tea-Break : 11.15 AM – 11.30 AM

SESSION XIII: 09:00 AM – 11:15 AM INTERACT - Hall Gb

Chairpersons:

Dr. Sitesh C Bachar, Department of Pharmacy, University of Dhaka, Dhaka, Bangladesh

Dr. Satyanshu Kumar, Directorate of Medicinal and Aromatic Plants Research, Boriavi, Anand, Gujarat, India

Speaker	Title
Lecture 55: Dr. Alka Mukne Bombay College of Pharmacy, Mumbai, India	“Herbal Drug Research : Gearing Up for the 22nd Century”
Lecture 56: Dr. Pallab Kanti Haldar Dept. of Pharmaceutical Technology. Jadavpur University, Kolkata	“Zebra fish: Model for diabetes screening”

Lecture 57:

Dr. Guruprasad KP
School of Life Sciences
MAHE, Manipal, India

“Impact of Guduchi on DNA repair and cognition in Wild type and Alzheimer’s models of Drosophila”

Lecture 58:

Dr. Sathiyarayanan L.
Poona College of Pharmacy, Bharati
Vidyapeeth Deemed
University, Pune, Maharashtra, India

“Herb-Drug Interaction Prospects And Challenges In Global Healthcare Scenario”

Lecture 59:

Dr. Marc Beyruthy
Faculty of Agricultural and Food Sciences
Holy Spirit University of Kaslik
Jounieh, Lebanon

“Medicinal Plants and Traditional Medicine –Ethno-pharmacology at the Interface of Local and Global Needs”

Tea-Break : 11.15 AM – 11.30 AM

VALEDICTORY SESSION & PRIZE DISTRIBUTION

Venue: Interact – Hall Ga

Time: 11:45 PM - 1:30 PM

LUNCH

TIME: 01:30 PM - 02:30 PM

VENUE: MAHE Food Court 3rd Floor

POSTER PRESENTATION SESSIONS

VENUE: INTERACT QUADRANGLE

POSTER SESSION - I

Chairpersons:

Dr. T. K. Gopal, Faculty of Pharmacy, Sri Ramachandra University, Porur, Chennai, India

Dr. Prakash R Itankar, Dept. of Pharmaceutical Sciences, RTM Nagpur University,
Nagpur, India

Dr. Md. Ruhul Kuddus, Department of Pharmacy, University of Dhaka, Bangladesh

Time Schedules	08 February 2019	Poster No: A1 – A120
Poster set up	1:00 PM – 2:00 PM	
Poster viewings and Authors present	3:45 PM – 4:15 PM	
Poster removal	4:30 PM	
Certificate distribution	4:30 PM – 5:00 PM	

POSTER SESSION - II

Chairpersons:

Dr. R Thirumalai Kumaran, Faculty of Pharmacy, Sri Ramachandra University,
Porur, Chennai, India

M. Fawzi Mahomoodally, Department of Health Sciences, University of Mauritius,
Réduit, Mauritius

Dr. Md. Kaiserul Islam, Department of Pharmacy, University of Dhaka, Bangladesh

Time Schedules	09 February 2019	Poster No: A121 – A235
Poster set up	8:30 AM – 9:00 AM	
Poster viewings and Authors present	11:00 AM – 11:30 AM	
Poster removal	11:30 AM	
Certificate distribution	11:30 AM – 12:00 PM	

POSTER SESSION - III

Chairpersons:

Dr. O P Ajagbonna, Faculty of Veterinary Medicine, University of Abuja. Nigeria.

Dr. Alok Pal Jain, RKDF College of Pharmacy, Sarvepalli Radhakrishnan University,
Bhopal, India

Prof. Mehedi Masud, Department of Pharmacy, University of Dhaka, Bangladesh

Time Schedules	09 February 2019	Poster No: A236 onwards
Poster set up	1:00 PM – 2:00 PM	
Poster viewings and Authors present	3:30 PM – 4:00 PM	
Poster removal	4:30 PM	
Certificate distribution	4:30 PM – 5:00 PM	