

&
51st Annual Conference of Indian Pharmacological Society (IPS)

5th - 7th December, 2019, Hyderabad

Theme: Natural Products for Healthy Ageing: from Molecular Targets to Therapy

Scientific Program

Day -1: 5 th December, 2019 (Thursday)					
8.00am– 9.00am - Registration (At entrance of Auditorium)					
Auditorium (Conference flag off)					
09:30-10:00	Col. Ramnath Chopra Oration: Pharmacogenetics, Pharmacokinetics and Natural Products Prof. Ingolf Cascorbi , IUPHAR President, University of Kiel, Germany. Chair: Dr. R. Shivaprakash , President –IPS, CEO - Synchron Research Services Pvt. Ltd, Gujarat, India. Co-chair: Prof. Michael Spedding , Secretary General IUPHAR, France. Rapporteur: Dr. Vandana Singh , MD (Dravyaguna), ICMR-NIN, Hyderabad, India.				
10:00-10:30	Ghosh Oration: Study on the effective components group of TCM: The therapeutic effects of XXM on cerebral ischemic disease and its mechanisms Prof. Guanhua Du , Institute of Materia Medica, Chinese Academy of Medical Sciences, China Chair: Dr. Kala Kumar , General Secretary IPS, Professor, College of Veterinary Science, Hyderabad, India. Co-Chair: Yongxiang Zhang , Beijing Institute of Pharmacology and Toxicology, China. Rapporteur: Anita Singh , SRF, ICMR-NIN, Hyderabad, India.				
10:30-11:00	Plenary lecture: Serotonin: From bedside to bench Dr. Ashok D.B. Vaidya , Research Director, Kasturba Health Society-Medical Research Centre, Mumbai, India. Chair: Prof. Ingolf Cascorbi , IUPHAR President, University of Kiel, Germany. Co-Chair: Prof. Simon Ming Yuen Lee , Professor, University of Macau, China. Rapporteur: Kiranmayee , SRF, ICMR-NIN, Hyderabad, India.				
11:00 - 11:20	Tea Break				
11:20-11:50	Discussion				
11:50 - 12:20	Plenary Lecture: Nutrition - Microbiota and Inflammation Dr. R. Hemalatha , Director, ICMR-NIN, Hyderabad, India. Chair: Prof. Michael Spedding , Secretary General IUPHAR; President, Spedding Research Solutions SAS, France. Co-Chair: Dr. Bikash Medhi , Professor & AMS Founder: Experimental Pharmacology and Neurobehavioral laboratory (EPL & NBRL Lab) Chief Editor, IJP, Chandigarh, India. Rapporteur: Dr. Gargi Meur , Scientist –D. ICMR-NIN, Hyderabad, India.				
TECHNICAL SESSION 1 – Health Effects of Natural products on Cardio metabolic (Auditorium) Chair: Dr. Kamala Krishnaswamy , Director ICMR-NIN (Former) Co-Chair: Prof. Yonghe Zhang , Peking University Health Science Center, China Rapporteur: Ms. Snigdha Krishna , ICMR-NIN, Hyderabad, India.					
12:20 - 12:40	Natural products from underutilized crops: Isolation, identification, and examination of their role in mitigating cardiometabolic diseases Dr. Bhimu Patil , Director Vegetable and Fruit Improvement Center, Texas A&M University, USA.				
12:40 - 13:00	Glycation in aging and age-related disorders: Novel antiglycating agents Dr. G. Bhanu Prakash Reddy , Scientist –G, ICMR- NIN, Hyderabad, India.				
13:15 – 13:30	Dietary Supplement- An Anti-Aging Dr. Keshava Deo , Exe. Director Almelo Pvt. Ltd., Hyderabad, India.				
Parallel Sessions					
Venue	Assembly Hall	Conference Hall (CH)	Tata CH	Animal Facility CH	Exhibition-Poster area
12:20 -13:40	WCP-Oral Presentation - Traditional medicine: (1200- 1212) (12)	WCP-Oral Presentation – Immuno - pharmacology (8) and Marine (4): (1213- 1224) (12)	IPS-Achari Prize Presentation (11) (2101-2111)	IPS-UK Seth Prize Presentation (10) (2201-2210)	IPS-Traditional Medicine (2901-2922) WCP- Traditional Medicine – (1301-1345)
The Posters should be displayed at the allocated area by 11:00. The judges will be on site between 12:20 - 13:40					
13:40 - 14:15	Lunch				

NIPER, Hyderabad Sponsored Session**Chair: Dr. Shashi Bala Singh**, Director NIPER Hyderabad, India.**Co-Chair: Prof. Helen Ochuko Kwanashie**, EC-IUPHAR Dept of Pharmacology & Therapeutics Sci., Nigeria, West Africa**Rapporteur: Dr. Ahmed Ibrahim**, Scientist-F, ICMR-NIN, Hyderabad, India.

14:00 - 14:20	Clinical evaluation of safety and efficacy of Natural products: Current Scenario and AYUSH initiatives Dr. N. Srikanth , Deputy Director General, CCRAS, New Delhi, India.				
14:20 - 15:00	Prof. G. Achari Oration (Plenary lecture) Bioactive discovery in complex natural mixtures, and food products Dr. Denis Barron , Nestlé Institute of Health Sciences, Switzerland.				
TECHNICAL SESSION 2- Panel Discussion Vigilance of Traditional/Herbal medicine safety Chair: Prof. Y.K. Gupta , President AIIMS Bhopal, India. Co-Chair: Prof. Ingolf Cascorbi , IUPHAR President, University of Kiel, Germany.					
15:00 - 15:50	Introduction Challenges and road map for safety assurance of herbal/traditional medicine Prof. Y.K. Gupta , President AIIMS, Bhopal, India.				
	Panelists: <ul style="list-style-type: none"> • Dr P.N. Rao- Asian Institute of Gastroenterology, Hyderabad, India. • Prof. T. Gangadhar- Chief Nephrologist, NIMS, Hyderabad, India. • Prof Herve Le-Louet - President, CIOMS, France. • Dr. Bikash Medhi, Professor & AMS Founder: Experimental Pharmacology and Neurobehavioral laboratory (EPL & NBRL Lab) Chief Editor, IJP, Chandigarh, India. • Dr. B. Dinesh Kumar, Scientist-G, ICMR-NIN, Hyderabad, India. As a model for nutravigilance center. 				
15:50 - 16:10	Discovery and pharmacological characterization of a basal repertoire of neuroactive venom- auxiliary polypeptides from transcriptome of the marine Cnidaria, Anthozoa Prof. Simon Ming Yuen Lee , Professor, University of Macau, China.				
16:10 - 16:30	CA-30, an oligosaccharide fraction derived from Liuwei Dihuang decoction, ameliorates cognitive deterioration via altering intestinal microbiome in senescence-accelerated Prof. Wenxia Zhou , Beijing Institute of Pharmacology and Toxicology, China.				
16:30 - 17:10	Can traditional medicines deliver on their potential in Western countries? Prof. David Webb , University of Edinburgh, UK.				
17:10 - 17:30	Traditional Medicines and Natural Product Development in India Dr. Nilima A. Kshirsagar , National Chair Clinical Pharmacology, ICMR-NIRRH, Mumbai, India.				
Parallel sessions					
Venue	Assembly Hall	Conference Hall (CH)	Tata CH	Animal Facility CH	Exhibition-Poster area
15:15 – 17:00	WCP-Oral presentation: Health Effects (6) & physical performance & Osteoporosis (5): (1225-1236)	WCP-Oral presentation: Pharmacokinetics/analysis of NP (4)& metabolomics / gut microbiota (5)(1236-1247)	IPS-Gufic prize presentation (2301-2309)	IPS-Marjeeth Singh (2401-2406)	IPS- Epidemiology/Vigilance (2701-2758) WCP-Health effects of NP (1401-1443)
The Posters should be displayed at the allocated area by 14:00. The judges will be on site between 15:15-17:00					
17:30-18:00	Break				
18: 00-20:30	Entertainment and Dinner				
Day -2: 6th December, 2019 (Friday)					
TECHNICAL SESSION 3– Immuno Pharmacology of Natural Products (Auditorium) Chair: Prof. David Webb , University of Edinburgh, UK. Co-Chair: Dr. Prakash V. Diwan , Director NIPER Hyderabad (Former), India. Rapporteur: Dr. Shobi Veleri , Scientist-E, ICMR-NIN, Hyderabad, India					
09:00 - 09:30	Immuno-pharmacology of Allergy and Cancer: Biologics and Natural Products Prof. Francesca Levi-Schaffer , The Hebrew University of Jerusalem, Israel.				
09:30 - 09:50	Scouting of Herbal Remedies in India Dr. Vipin Kumar , Director & Chief Innovation Officer, National Innovation Foundation, Ahmedabad, India.				
09:50 – 10:15	Crystal Engineering solutions to improve Pharmacokinetic properties of Natural Products and Nutraceuticals Dr. K. Anil Kumar , CSO, Arna Immuno Ingredients Private Limited, Mumbai, India.				

10:15-10:30	New pharmacological activity of Chinese herbal medicine: the treatment of podocyte injury in metabolic syndrome by regulating immunometabolism Dr. Ling Dong Kong , Nanjing University, China.
10:30-12:30	Inauguration and KP Bhargava Oration
	Chair: Dr. G. Bhanu Prakash Reddy , Scientist G ICMR- NIN, Hyderabad, India. Co-Chair: Dr. N. Srikanth , Deputy Director General CCRAS, New Delhi, India. Rapporteur: Dr. M. Satish Kumar , Scientist-E, ICMR-NIN, Hyderabad, India.
12:30-12:40	Translational Research and ICMR initiative Dr. Chandra Shekhar , Scientist 'G', ICMR-HQ, New Delhi, India.
12:40-13:00	ICMR initiative – Quality and Safety: A Compendium of Herbal Preparations Dr. Neeraj Tandon , Scientist 'G' & Head, Publication & Information, Div., ICMR-HQ, New Delhi, India.
13:00-13:15	Ayurnutrition – An Epistemic Perspective on Ayurveda Nutrition for Healthy living and graceful ageing Dr. Dinesh K.S. , Professor and Head, Dept. of Kaumarabhritya, Kottakkal Ayurveda College, Kerala, India.
13:15-13:30	Revitalizing the Efficacy Natural Products using Nano formulation Technology Dr. Devraj Rambhau , Technical Director, Pulse Pharmaceuticals Pvt. Ltd., Hyderabad

Sponsored by: CSIR-IICT, Hyderabad

Day 2: TECHNICAL SESSION 4 – Metabolomics And Analysis Of Natural Products (Auditorium)

Chair: Dr. Denis Barron, Nestlé Institute of Health Sciences, Switzerland

Co-Chair: Prof. Baoxue Yang, Peking University Health Science Center, China

Rapporteur: Dr. Ramalingam, Scientist-E, ICMR-NIN, Hyderabad, India

14:15 – 14:45	Metabolomics and analysis of Natural Products and traditional medicines Prof. Jean-Luc Wolfender , Bioactive Natural Product Unit, University of Geneva, Switzerland.
14:45 - 15:05	Is Conventional toxicity studies necessary for botanicals known traditional knowledge: – Case studies Dr. D. B. Anantha Narayana , CSO, Ayurvedye Trust, Bangalore, India.
15:05 – 15:25	Natural Products and Diabetic Complications Dr. Lu Tie , Peking University Health Science Center, China.
15:25 - 15:45	Therapeutic Potential of Plant Derived Latex: A Case Study Dr. Vijay L. Kumar , Professor & Head, Department of Pharmacology, AIIMS, New Delhi, India.
13:30 - 14:15	Lunch

Parallel sessions

Venue	Assembly Hall	Main Conference Hall	Tata Conference Hall	Animal Facility Conference Hall	Exhibition-Poster area
14:30 - 16:30	WCP-Young scientist Presentation (1101-1110) (10)	IPS-Oral- clinical – (2601-2613)(13)	IPS-oral - Experimental (2501-2510) (10)	IPS-oral - Experimental (2511-2517) (7) IPS-Oral- clinical – (2614-2619) (6)	IPS-Systemic Disorders & molecular pharmacology (2801-2826) (26) & WCP-Immuno-pharmacology (15), PK/analysis (16), marine (6), metabolomics/gut microbiota (2), physical performance (1501-1542) (42)

The Posters should be displayed at the allocated area by 14:00. The judges will be on site between 14:30 - 16:30

Chair: Dr. D. S. Arya, Department of Pharmacology, AIIMS, New Delhi, India. (**Auditorium**)

Co-Chair: Prof. Kavita Gulati, Department of Pharmacology, V.P. Chest Institute, New Delhi, India

Rapporteur: Dr. N. Hari Shankar, Scientist-E, ICMR-AF-NIN, Hyderabad, India.

15:45 – 16:00	The surrenal and pharmacological research of Natural Products from the endangered resources Dr. Xiao Liang Wang , Professor, Department of Pharmacology, Institute of Materia Medica, Chinese Academy of Medical Sciences & Peking Union Medical College, China.
16:00 - 16:15	Phytochemical and pharmacological studies on Indian lichens Dr. K. Suresh Babu , Principal Scientist, CSIR-IICT, Hyderabad, India.
16:15 – 16:30	Dietary inorganic nitrate and nitrite and their utility in cardiovascular therapeutics Prof. Amrita Ahluwalia , Editor-in-chief British Journal of Pharmacology, William Harvey Research Inst, London, UK.
16:30 – 17:00	Tea Break
	Chair: Prof. Guanhua Du , Institute of Materia Medica, Chinese Academy of Medical Sciences, China. Co-chair: Dr. Rajeev Taliyan , BITS Pilani, Rajasthan, India. Rapporteur: Dr. V. Vakdevi , Scientist -C, ICMR-NIN, Hyderabad, India.
17:00 - 17:40	Lalitha Kameshwaran Oration (Keynote Lecture) Present and future of natural product in Pharma companies Dr. Bruno David , Director Phytochemistry & Biodiversity, Green Mission Pierre Fabre, France.

17:00 - 17:15	Metabolite Analysis of Some Selected Plants used in Traditional Medicines Prof. Indra Pal Singh , Department of Natural Product, NIPER, Mohali, India.
17:15 - 17:30	Potential of Molecules from the Natural Products for the Treatment of Diabetic Neuropathy Prof. Shyam S. Sharma , Department of Pharmacology, NIPER Mohali, India.
17:30 - 19:00	General Body Meeting – Indian Pharmacological Society (Assembly Hall)
19:00 - 20:30	Dinner

Day -3: 7th December, 2019 (Saturday)

TECHNICAL SESSION 5 (Auditorium)

Chair- Prof. Indra Pal Singh, Department of Natural Product, NIPER, Mohali, India.

Co-Chair: Dr. K. Suresh Babu, Principal Scientist, CSIR-IICT, Hyderabad, India.

Rapporteur: Dr. Richa, AIIMS, New Delhi, India.

08:30 - 09:00	The marine pharmaceutical pipeline in 2019 (Tele-Presentation: Skype) Prof. Alejandro M.S. Mayer , Department of Pharmacology, Midwestern University, USA.
09:00 - 09:30	Therapeutic Potential of Indian Spices for the Management of Metabolic diseases Dr. T. Narender , Sr. Principal Scientist, Medicinal and Process Chemistry Division, CDRI, Lucknow, India.
09:30 - 10:00	Integrative approaches for health and Innovative approaches to drug discovery Prof. Bhushan Patwardhan , Vice Chairman, University Grants Commission, New Delhi, India.
10:00 - 10:30	Scientific validation of Ayurvedic Anti-ageing Herbs Prof. K. Nishteswar , Ex Professor & Head, Department of Dravyaguna, Gujarat Ayurved University, India
10:30 - 11:00	Dhalla Oration: Potential of Natural Products to Target Senescent Endothelial Cells to Improve Vascular Function Prof. Valerie B. Schini-Kerth , Dept. of Pharmacy, University of Strasbourg, France. Chair: Prof. Ingolf Cascorbi , IUPHAR President, University of Kiel, Germany. Co-Chair: Dr. A. Laxmiah , Scientist-G, HOD Field Division, ICMR-NIN, Hyderabad, India Rapporteur: Dr. N. Arlappa , Scientist –F, ICMR-NIN, Hyderabad, India.
11:00 - 11:30	Plenary Lecture: New initiatives – CTRI registrations mandatory for herbal and natural products Dr. Vishnuvardhan Rao , Director IRMS, New Delhi, India. Chair: Dr. K. Venkaiah , Scientist-G, ICMR-NIN, Hyderabad, India.
11:30 - 11:50	Tea Break
Day 3: TECHNICAL SESSION 6 – Biosynthesis versus chemical synthesis of natural products	
Chair: Prof. Yoshikatsu Kanai , Department of Bio-system Pharmacology, Osaka University, Japan.	
Co-Chair: Dr. B. Dinesh Kumar , Scientist-G, ICMR-NIN, Hyderabad, India.	
Rapporteur: Dr. Y. Srinivas Reddy , Scientist-C, ICMR-NIN, Hyderabad, India.	
10:45 - 11:00	Low molecular weight fucoidan protects kidney from injury induced by renal ischemi reperfusion and by albumin overload Prof. Baoxue Yang , Peking University Health Science Center, China.
11:00 - 11:15	Road map to Globalization of Traditional Indian Medicine (Ayush): Identification and standardization chemical biomarkers in herbal Drugs- Dr. K. Nagaiah , Chief Scientist and Head, Centre of Natural Products & Traditional Knowledge, CSIR-IICT, Hyderabad, India.
11:15 - 11:30	Cornel iridoid glycoside inhibits tau hyperphosphorylation and aggregation in a mouse model of tauopathy through increasing activity of PP2A Prof. Lin Li , Xuanwu Hospital Capital Medical Univ, China.
11.30 - 11.45	Nutritional and pharmacological applications of marine biomolecule Dr. Suseela Mathew , Principal Scientist, CIFT, Kerala, India.
11:45 - 12:05	The establishment of Alzheimer's disease model and drug screening based on human iPSC- derived microglia Dr. Ning Jiang , Beijing Institute of Pharmacology and Toxicology, China.
12:05 - 12:20	Natural Products as Potential Source of Antiviral Drug Development Dr. K.P. Mishra - Scientist-E, DRDO, New Delhi, India.
12:20 - 12:35	Macrocycles are great cycles: Opportunities of natural macrocycles from Indian Mangrove Flora in Drug Discovery Dr. P. Mangala Gowri , Principal Scientist, CSIR-IICT Hyderabad, India.
12:35 - 13:10	Natural products libraries: database and screening, current status Prof. Cherry L Wainwright , Director Cardio-metabolic Health Research, The Robert Gordon University, UK.
	Dr. Tanja Grkovic , Frederick National Laboratory for Cancer Research, NIH, USA.
	Prof. David Adelson , University of Adelaide, Australia.
13:10 - 13:30	Metabolomics, Imino-sugars and lipids open new dimensions in neuro-degeneration and motor neuron disease Prof. Michael Spedding , Secretary General IUPHAR; President, Spedding Research Solutions SAS, France.
13:30 - 14:00	Valedictory
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* The Scientific Program will be conducted as scheduled except for minor change