

5th IUPHAR WORLD CONFERENCE ON THE PHARMACOLOGY (WCP) OF NATURAL PRODUCTS 2019, INDIA

51st Annual Conference of Indian Pharmacological Society (IPS), 5th - 7th December, 2019, Hyderabad

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



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Scientific Program

Day -1 Thursday 5 th December 2019	
8.00am- 9.00am - Registration (Entrance of Auditorium)	
Auditorium (Conference flag off)	
09:30-10:00	<p>Col. Ramnath Chopra Oration Interaction of herbal products with prescribed medication. Prof. Ingolf Cascorbi, <i>IUPHAR President, University of Kiel, Germany.</i> Chair: Dr. 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.</p>
10:00-10:30	<p>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, <i>Institute of Materia Medica, Chinese Academy of Medical Sciences, China</i> 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.</p>
10:30-11:00	<p>Plenary lecture Serotonin: From bedside to bench Dr. Ashok D.B. Vaidya, <i>Research Director, Kasturba Health Society-Medical Research Centre, Mumbai, India</i> 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.</p>

11.00-11.20

Tea Break

11:20-11:50

Plenary lecture

Brain Circuits at risk from stress (hippocampus/amygdala) - Effects of Ayush

Prof. Sumantra Chatterji, NCBS, Bangalore, India.

Chair: Prof. Michael Spedding, Secretary General IUPHAR, France.



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	Co-Chair: Professor Cherry Wainwright, Robert Gordon University, Scotland, UK Rapporteur: Sindhu, JRF, ICMR-NIN, Hyderabad, India.				
11:50- 12:20	Integrative approaches for health and Innovative approaches to drug discovery - Prof. Bhushan Patwardhan, Vice Chairman, University Grants Commission, New Delhi, India. Chair: Dr. Bruno David, Director Phytochemistry & Biodiversity, Green Mission Pierre Fabre, France. Co-Chair: Prof. Valerie B. Schini-Kerth, Department of Pharmacy, University of Strasbourg, France. Rapporteur: Snigdha Krishna, ICMR-NIN, Hyderabad				
Day -1 Thursday 5th December 2019 TECHNICAL SESSION 1 - Health Effects of Natural products on Cardio metabolic Chair: Dr. Kamala Krishnaswamy, Director ICMR-NIN (former); Co-Chair: Prof. Yonghe Zhang , Peking University Health Science Center, China Rapporteur: Dr. Shobi Veleri, Scientist-E, ICMR-NIN, Hyderabad, India. Auditorium					
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.				
13:00 - 13:20	Dietary Supplement- An Anti Aging Dr. Keshava Deo, Exec. 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					
13.20-14.15 Lunch					

Sponsored by: NIPER Hyderabad

Day -1 Thursday 5th December 2019

Auditorium

Chair: Dr. Shashibala Singh, Director NIPER Hyderabad, India.

Co-Chair: Prof. Helen Ochuko Kwanashie, EC-IUPHAR, Dept of Pharmacology & Therapeutics, Sciences, Nigeria, West Africa

Rapporteur: Dr. Ahmed Ibrahim, Scientist F, ICMR-NIN, Hyderabad, India.

14:00-14:20	<p>Clinical evaluation of safety and efficacy of Natural products: Current Scenario and AYUSH initiatives Dr. N. Srikanth, Deputy Director General CCRAS, New Delhi, India.</p>
14:20-15:00	<p>Prof. G. Achari Oration (Plenary lecture) Bioactive discovery in complex natural mixtures, and food products. Dr. Denis Barron, Nestlé Institute of Health Sciences, Switzerland</p>
15:00-15:50	<p style="text-align: center;">Panel Discussion : Vigilance of Traditional/Herbal medicine safety Chair: Prof. Y.K. Gupta, President AIIMS Bhopal, India. Co-Chair: Prof. Ingolf Cascorbi, <i>IUPHAR President, University of Kiel, Germany.</i> Introduction Challenges and road map for safety assurance of herbal/traditional medicine Prof. Y.K. Gupta, President AIIMS Bhopal, India.</p> <p>Panelist:</p> <ul style="list-style-type: none"> • Dr P.N. Rao - Asian Institute of Gastroenterology, Hyderabad • 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	<p>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.</p>
16:10-16:30	<p>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.</p>
16:30-17:10	<p>Can traditional medicines deliver on their potential in Western countries? Prof. David Webb, University of Edinburgh, UK.</p>

17:10-17:30	Traditional Medicines and natural product development in India Dr. Nilima A Kshirsagar, National Chair Clinical Pharmacology, ICMR-NIRRH,, Mumbai, India.				
17:30-17:50	Nutritional and pharmacological applications of marine biomolecule Dr Suseela Mathew, Principal scientist, CIFT, Kerala				
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-Manjeeth 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	High Tea				
17.30-20.30	Entertainment and Dinner				

Day -2 Friday 6th December 2019

Auditorium

Friday 6th December 2019

TECHNICAL SESSION 3- Immuno Pharmacology of Natural Products

Chair: Prof. David Webb, University of Edinburgh, UK.

Co Chair: Dr. Prakash V Diwan, Director NIPER (Former) Rapporteur:
Dr. Shobi Veleri. Scientist-E, ICMR-NIN, Hyderabad, India Auditorium

09:00-09:30	Immuno-pharmacology of Allergy and Cancer: Biologics and Natural Products. Prof. Francesca Levi-Schaffer, <i>The Hebrew University of Jerusalem, Israel.</i>
09:30-09:50	New pharmacological activity of Chinese herbal medicine: the treatment of podocyte injury in metabolic syndrome by regulating immunometabolism. Dr. Lingdong Kong, <i>Nanjing University, China.</i>
09:50 - 10:15	Scouting of Herbal Remedies In India Dr. Vipin Kumar, <i>Director & Chief Innovation Officer, National Innovation Foundation, Ahmedabad, India.</i>
10:15-10:30	Crystal Engineering solutions to improve Pharmacokinetic properties of Natural Products and Nutraceuticals, Dr. K. Anil Kumar, <i>CSO, ArnalImmuno Ingredients Private Limited, Mumbai, India.</i>
10:30-12:30	Inauguration and Prof. 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.
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 compodium of herbal preparations. Dr. Neeraj Tandon, Scientist 'G' & HEAD, Publication & Information (P&I), Division, ICMR-HQ, New Delhi, India
13:00-13:15	Ayurnutrition - An Epistemic Perspective on Ayurveda Nutrition for Healthy living and graceful ageing Dr. Dinesh KS, <i>Kottakkal Ayurveda College, Kerala, India.</i>
13:15-14:00	Lunch

14:00-14:30

Plenary Lecture:
Pre & ProBiotic, microbiota in therapeutics
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 -E. ICMR-NIN*, Hyderabad, India.

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) & WCP- Immunopharmacology (15), PK/analysis(16), marine(6), metabolomics/gut microbiota (2), physical performance (2) (1501-1542)

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

Auditorium

Friday 6th December 2019

TECHNICAL SESSION 4 - Metabolomics And Analysis Of Natural Products

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, <i>Bioactive Natural Product Unit, University of Geneva, Switzerland.</i>
14:45-15:05	Is Conventional toxicity studies necessary for botanicals known traditional knowledge - Case studies : Dr. D B Anantha Narayana, <i>CSO, Ayurvedye Trust, Bangalore, India.</i>
15.05-15.25	Natural Products and diabetic complications. 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.
	Chair: Dr. D S Arya, Department of Pharmacology, AIIMS, New Delhi, India. 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. Xiaoliang 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 Institute, London (BPS)
16.30-17.00	Tea

	<p>Chair : Prof. Guanhua Du, <i>Institute of Materia Medica, Chinese Academy of Medical Sciences, China</i> Co-chair :Dr, RajeevTaliyan, BITS Pilani, Rajasthan, India. Rapporteur : Dr. C. Suresh, Scientist -E, ICMR-NIN, Hyderabad, India.</p>
17:00-17:40	<p>Lalitha Kameshwaran Oration (Keynote Lecture) Present and future of natural product in Pharma companies Dr. Bruno David, Director Phytochemistry & Biodiversity, <i>Green Mission Pierre Fabre, France.</i></p>
17:00-17:15	<p>Metabolite Analysis of Some Selected Plants used in Traditional Medicines Prof. Indra Pal Singh, Department of Natural Product, NIPER, Mohali, India.</p>
17:15-17:30	<p>Potential of Molecules from the Natural Products for the Treatment of Diabetic Neuropathy, Prof. Shyam S. Sharma, Department of Pharmacology, <i>NIPER Mohali, India.</i></p>
17:30-19:00	<p>General Body Meeting - Indian Pharmacological Society</p>
Dinner	

Day -3 Saturday 7th December 2019

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, AllMS, New Delhi, India.

Auditorium

8:30-9:00	The marine pharmaceutical pipeline in 2019 (Tele-Presentation: Skype) Prof. Alejandro MS 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	Scientific validation of Ayurvedic Anti-ageing Herbs Prof. K. Nishteswar, Ex Professor & Head, Department of Dravyaguna, Gujarat Ayurved University Jamnagar, Gujarat, India
10:00-10:40	Dhalla Oration Potential of natural products to target senescent endothelial cells to improve vascular function Prof. Valerie B. Schini-Kerth, Department of Pharmacy, University of Strasbourg, France. Chair: Prof. Ingolf Cascorbi, IUPHAR President, University of Kiel, Germany. Co-Chair: Dr. K. Laxmiah, Scientist-G, HOD Field Division, ICMR-NIN, Hyderabad, India Rapporteur: Dr. N. Arlappa, Scientist -F, ICMR-NIN, Hyderabad, India.
10:40-11:00	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.
11:00-11:20	Tea Break

TECHNICAL SESSION 6 - Biosynthesis verses 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.

10:45-11:00	Low molecular weight fucoidan protects kidney from injury induced by renal ischemia-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. Lin Li, Xuanwu Hospital Capital Medical University, China
11:30-11:45	Tea Break
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. KP Mishra- <i>Scientist-E, DRDO</i>
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, Scotland, UK.
	Dr. Tanja Grkovic, Frederick National Laboratory for Cancer Research, NIH, USA Prof. David Adelson, University of Adelaide, Australia.

13:10-13:30	<p>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.</p>
13:30-14:00	Valedictory
	IUPHAR

*** The Scientific Program will be conducted as scheduled except for minor changes**