**Day -1: 5th December, 2019 (Thursday)**

**8.00am - 9.00am - Registration (At entrance of Auditorium)**

**Auditorium (Conference flag off)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 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. Shivaparakash, 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. |
| 12:20 - 12:40| **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.  
**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**

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<thead>
<tr>
<th>Venue</th>
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<th>Conference Hall (CH)</th>
<th>Tata CH</th>
<th>Animal Facility CH</th>
<th>Exhibition-Poster area</th>
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<tbody>
<tr>
<td></td>
<td>Presentation</td>
<td>Presentation – Traditional medicine: (1200-1212) (12)</td>
<td>(1201-2111)</td>
<td>(2201-2210)</td>
<td>WCP- Traditional Medicine – (1301-1345)</td>
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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 Kwa nasie, EC-IUPHAR Dept of Pharmacology & Therapeutics Sci., Nigeria, West Africa
Rapporteur: Dr. Ahmed Ibrahim, Scientist-F, ICMR-NIN, Hyderabad, India.

<table>
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<tr>
<th>Time</th>
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<tr>
<td>14:00 - 14:20</td>
<td>Clinical evaluation of safety and efficacy of Natural products: Current Scenario and AYUSH initiatives Dr. N. Srikanth, Deputy Director General, CCRAS, New Delhi, India.</td>
</tr>
<tr>
<td>14:20 - 15:00</td>
<td>Prof. G. Achari Oration (Plenary lecture) Bioactive discovery in complex natural mixtures, and food products Dr. Denis Barron, Nestlé Institute of Health Sciences, Switzerland.</td>
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</table>

**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.

<table>
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| 15:00 - 15:50 | **Panelists:**  

  - 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, IUPHAR, Chandigarh, India.  
  - Dr. B. Dinesh Kumar, Scientist-G, ICMR-NIN, Hyderabad, India. As a model for nutravigilance. |
| 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. Wenyia 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. |

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<tr>
<td>15:15 – 17:00</td>
<td>WCP - Health Effects (6) &amp; physical performance &amp; Osteoporosis (5): (1225-1236)</td>
<td>WCP-Oral presentation: Pharmacokinetics/analysis of NP (4)&amp; metabolomics/gut microbiota (5)(1236-1247)</td>
<td>IPS-Gufic prize presentation (2301-2309)</td>
<td>IPS-Manjeeth Singh (2401-2406)</td>
<td>IPS-Epidemiology/Vigilance (2701-2758)</td>
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<td>WCP-Health effects of NP (1401-1443)</td>
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<tbody>
<tr>
<td>17:30-18:00</td>
<td>Break</td>
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<tr>
<td>18:00-20:30</td>
<td>Entertainment and Dinner</td>
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</table>

**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.

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00 - 09:30</td>
<td>Immuno-pharmacology of Allergy and Cancer: Biologics and Natural Products Prof. Francesca Levi-Schaffer, The Hebrew University of Jerusalem, Israel.</td>
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<tr>
<td>09:30 - 09:50</td>
<td>Scouting of Herbal Remedies in India Dr. Vipin Kumar, Director &amp; Chief Innovation Officer, National Innovation Foundation, Ahmedabad, India.</td>
</tr>
<tr>
<td>09:50 – 10:15</td>
<td>Crystal Engineering solutions to improve Pharmacokinetic properties of Natural Products and Nutraceuticals Dr. K. Anil Kumar, CSO, Arma Immuno Ingredients Private Limited, Mumbai, India.</td>
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<tr>
<td>Time</td>
<td>Event</td>
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| 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                                                       |
| 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  | Ayurvedic Nutrition – An Epistemic Perspective on Ayurveda Nutrition for Healthy Living and graceful ageing  
Dr. Dinesh K.S., Professor and Head, Dept. of Kaumarabhritiya, Kottakkal Ayurveda College, Kerala, India. |
| 13:15-13:30  | Revitalizing the Efficacy of Natural Products using Nano formulation Technology  
Dr. Devraj Rambhau, Technical Director, Pulse Pharmaceuticals Pvt. Ltd., 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

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<tr>
<th>Time</th>
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</table>
| 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. |

**Parallel sessions**

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</table>
| 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) |
|                      |                                                                                                 | (-)                  | (-)                  | (-)                            | (-)                                                                                    |

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.  
**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.

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| 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-ICT, Hyderabad, India. |
| 16:15 – 16:30| Dietary inorganic nitrate and nitrite and their utility in cardiovascular therapeutics  
| 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.

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| 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

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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 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. Nagaiha, 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
IUPHAR

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