14th World Congress on
Toxicology and Pharmacology
March 12-14, 2018  Singapore
## Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00-10:50</td>
<td><strong>Life with Down's syndrome is no more challenging, rather beautiful</strong></td>
<td>Swamy K B</td>
<td>Lincoln University College, Malaysia</td>
</tr>
<tr>
<td>10:50-11:30</td>
<td><strong>Microbial bioactive compound for food preservation with antioxidant</strong></td>
<td>Regina Mary R</td>
<td>Auxilium College, India</td>
</tr>
<tr>
<td>11:50-12:20</td>
<td><strong>A comprehensive method for the screening of drugs in severely decomposed human tissues by fast gas chromatography/tandem mass spectroscopy (Fast GC-MS/MS)</strong></td>
<td>Brian Waters</td>
<td>Fukuoka University, Japan</td>
</tr>
<tr>
<td>12:20-12:50</td>
<td><strong>Snake venom peptides: Potential therapeutic agents in thrombotic diseases</strong></td>
<td>Fabio de Oliveira</td>
<td>Federal University of Uberlandia, Brazil</td>
</tr>
<tr>
<td>12:50-13:20</td>
<td><strong>Ionizing radiation induces developmental abnormalities but not lethality of sea urchin embryos</strong></td>
<td>Mahmoud Ibrahim Shoulkamy</td>
<td>Minia University, Egypt</td>
</tr>
<tr>
<td>14:20-14:50</td>
<td><strong>In vivo characterization of the biochemical and histological changes induced by the stonefish (Synanceia verrucosa) venom in rats</strong></td>
<td>Ahmad M Khaili</td>
<td>Yarmouk University, Jordan</td>
</tr>
<tr>
<td>14:50-15:20</td>
<td><strong>Tissue distribution of Suvorexant in three postmortem cases</strong></td>
<td>Brian Waters</td>
<td>Fukuoka University, Japan</td>
</tr>
<tr>
<td>15:20-15:50</td>
<td><strong>Protective effects of vitamins on Diclofenac induced hepatotoxicity in adult male Wistar albino rats</strong></td>
<td>Sankaran P K</td>
<td>Saveetha Medical College and Hospital, India</td>
</tr>
</tbody>
</table>

### Session Chair: Regina Mary R, Auxilium College, India

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:50-12:20</td>
<td><strong>Brain free hemoglobin increase is different among anticoagulant classes</strong></td>
<td>Sergey V Brodsky</td>
<td>The Ohio State University, USA</td>
</tr>
<tr>
<td>12:20-12:50</td>
<td><strong>Spinacia oleracea in diet can help control obesity by its regulatory action on appetite</strong></td>
<td>Vandana Sanjeev Panda</td>
<td>Mumbai University, India</td>
</tr>
<tr>
<td>12:50-13:20</td>
<td><strong>Food functionalization and preservative activity of bioactive colorant prodigiosin</strong></td>
<td>Regina Mary R</td>
<td>Auxilium College, India</td>
</tr>
</tbody>
</table>

### Session Chair: Swamy K B, Lincoln University College, Malaysia

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:50</td>
<td><strong>Profiling of lipid mediators and fatty acids in metastatic breast cancer in mice</strong></td>
<td>Maria Walczak</td>
<td>Jagiellonian University Medical College, Poland</td>
</tr>
<tr>
<td>09:50-10:20</td>
<td><strong>Brain free hemoglobin increase is different among anticoagulant classes</strong></td>
<td>Sergey V Brodsky</td>
<td>The Ohio State University, USA</td>
</tr>
<tr>
<td>10:20-10:50</td>
<td><strong>Spinacia oleracea in diet can help control obesity by its regulatory action on appetite</strong></td>
<td>Vandana Sanjeev Panda</td>
<td>Mumbai University, India</td>
</tr>
<tr>
<td>10:50-11:20</td>
<td><strong>Food functionalization and preservative activity of bioactive colorant prodigiosin</strong></td>
<td>Regina Mary R</td>
<td>Auxilium College, India</td>
</tr>
</tbody>
</table>
Networking and Refreshments Break: 11:20-11:40 @ Seletar Foyer

Special Session

11:40-12:40
Title: Nations can slash down the “infant mortality rate” (IMR) to a great extent if they implement proper health care system policies for ante-natal/prenatal and postnatal care for the rural/village level beneficiaries too
Swamy K B, Lincoln University College, Malaysia

Young Researchers Forum

12:40-13:00
Title: Toxicology of repeated iodine thyroid blocking on adult’s thyroid function and on the progeny’s brain development
Lebsir Dalila, Institute of Radioprotection and Nuclear Safety, France
Title: Superoxide mediated apoptosis in cell organelles by photosensitized 1,2,3,4-dibenzanthracene in HaCaT cells at ambient UV-B and natural sunlight
Ajeet Kumar Srivastav, Indian Institute of Toxicology Research, India

Lunch Break: 13:20-14:20 @ Atrium Restaurant

14:20-14:40
Title: Patterns of poisoning and their outcomes in patients admitted to emergency wards of a tertiary care hospital
Devi Revathi Ganni, MS Ramaiah University of Applied Sciences, India

14:40-15:00
Title: Profile of acute poisoning in patients admitted to emergency wards of a tertiary care hospital
Sathvika Reddy, MS Ramaiah University of Applied Sciences, India

15:00-15:20
Title: Localization of connexin 36 and calcitonin gene related peptide as a determinant of neuropathic pain in the trigeminal ganglion
Mahalakshmi K, Saveetha Medical College and Hospital, India

15:20-15:40
Title: Localization of glial fibrillary acidic protein in rat migraine model Wistar rats
Bryan Joel Devaraj, Saveetha Medical College and Hospital, India

15:40-16:00
Title: The foe that extends a helping hand: Oncolytic virotherapy, present and future prospective
Anish S Bharatwaj, Saveetha Medical College, India

Networking and Refreshments Break: 16:20-16:40 @ Seletar Foyer

Poster Presentations @ 16:40-18:00

Poster Judge: Swamy K B, Lincoln University College, Malaysia

TOX-001
Title: Roles of ATP7B gene to maintain the copper-transporting ATPase in a HepG2 cell line against excess copper toxicity
Shikha Agnihotry, Sam Higginbottom University of Agriculture, Technology and Sciences, India

TOX-002
Title: Circulation of zinc and cadmium in the sea and land environment of west Japan
Yumiko Nitta, Hiroshima Shudo University, Japan

TOX-003
Title: The antioxidant effect of resveratrol in cisplatin induced oxidative stress
Florin Muselin, Banat’s University of Agricultural Sciences and Veterinary Medicine, Romania

TOX-004
Title: The anti-proliferative activity of Coriandrum sativum alcoholic extract on HCT-116 and MCF-7 cell lines
Eugenia Dumitrescu, Banat’s University of Agricultural Sciences and Veterinary Medicine, Romania

TOX-005
Title: The evaluation of hypoglycemic effects of some plants extract on induced diabetes in mice
Alexandru Octavian Doma, Banat’s University of Agricultural Sciences and Veterinary Medicine, Romania

TOX-006
Title: Evaluation of oxidative stress effect for in vitro matured cow oocytes through gene expression quantification
Camelia Tulcan, Banat’s University of Agricultural Sciences and Veterinary Medicine, Romania

TOX-007
Title: Treatment of cigarette smoke condensate accelerates nonalcoholic steatohepatitis in vitro
Zixiong Zhou, Chonbuk National University, South Korea

TOX-008
Title: Cigarette smoke exacerbates Acetaminophen-induced liver injury by modulating oxidative stress and inflammation via JNK signal pathway in mice
Jing Zhao, Chonbuk National University, South Korea

TOX-009
Title: Development of a screening kit for detecting synthetic cathinones
Yuki Mukai, University of Tsukuba, Japan

TOX-010
Title: Effect of honey on rate of healing of socket after tooth extraction in rabbits
Deependra Prasad Sarraf, B P Koirala Institute of Health Sciences, Nepal

TOX-011
Title: Korean red ginseng increased the immune cell activity of splenocyte in vitro and in vivo
Jong-Hoon Kim, Chonbuk National University, South Korea
TOX-012  
**Title:** Influence of immune modulation by tumor cell-derived soluble compound  
Mohammad Amjad Hossain, Chonbuk National University, South Korea

TOX-013  
**Title:** Nicotine attenuates concanavalin A–induced hepatic injury by regulating Kupffer cells in mice  
Jing Qi, Chonbuk National University, South Korea

TOX-014  
**Title:** Nanofiber sheets using small intestinal sub-mucosa for skin wound healing  
Minju Kim, Ajou University, South Korea

TOX-015  
**Title:** Hyaluronic acid hydrogel as drug carrier for rheumatoid arthritis treatment  
Jiyoung Seo, Ajou University, South Korea

TOX-016  
**Title:** Anti-photoaging effects of ammonium glycyrrhizate in UVB-irradiated HaCaT keratinocytes and UVA-irradiated human dermal fibroblasts  
Byung-Mu Lee, Sunkyunkwan University, South Korea

TOX-017  
**Title:** The consumption of psychopharmacs, a problem of pharmaceutical care  
Zangroniz Calvo Bertha, BioCubaFarma, Cuba

TOX-018  
**Title:** Bridging the MOA and the POC for clinical application: A case study  
Hanayuki Okura, National Institutes of Biomedical Innovation, Health and Nutrition, Japan

TOX-019  
**Title:** AFLATOX: A biotechnological approach for the development of new antifungal compounds to protect the environment and the human health  
Annamaria Buschini, University of Parma, Italy

TOX-020  
**Title:** Active QSAR modeling for environmental toxicity prediction by partial least squares  
Yoshimasa Takahashi, Toyohashi University of Technology, Japan

---

**Panel Discussion**

**Day 3  March 14, 2018**

**Selectar Room 3, Level 3**

**Keynote Forum**

**09:00-09:30**  
**Title:** Inspiration from nature: Far-reaching impact of toxin research  
R Manjunatha Kini, National University of Singapore, Singapore

**Sessions:** Pharmacology | Applied Pharmacology | Medicine Development and Safety Testing

**Session Chair:** Vandana Panda, Mumbai University, India

**Young Researchers Forum**

**09:30-09:50**  
**Title:** A rare case Modafinil dependence – A case report  
Soma Sri Harsha, Saveetha Medical College and Hospital, India

**09:50-10:10**  
**Title:** Fertility effect of Cycas circinalis L extract on male Wister rats  
Krithika M, Saveetha Medical College and Hospital, India

**10:10-10:30**  
**Title:** Administration of vitamin E increases BDNF and NGF in chronic stress induced rats  
Ozair Hassan, Saveetha Medical College and Hospital, India

**10:30-10:50**  
**Title:** All is not well: Irrational nutraceutical zinc preparations in Indian scenario, a systemic analysis  
Rithu Baskaran, Saveetha Medical College and Hospital, India

**10:50-11:10**  
**Title:** Changing trends of clinical trials in India  
Karthikeyan Swaminathan, Saveetha Medical College, India

**Networking and Refreshments Break:** 11:10-11:30 @ Seletar Foyer

**11:30-11:50**  
**Title:** Case study - A unique case of Flunarizine induced extrapyramidal syndrome and depression  
Abirami Raghunath, Saveetha Medical College and Hospital, India

**11:50-12:10**  
**Title:** Analysis of chemicals present in the seeds of Mucuna pruriens by gas chromatography mass spectrometry  
Joseph Swithin Fernando, Saveetha Medical College, India

**12:10-12:30**  
**Title:** Hepatoprotective effect of Phyllanthus niruri against the Paracetamol induced liver toxicity in albino rat  
Akshath S U, Saveetha Medical College and Hospital, India

**12:30-12:50**  
**Title:** Drug development: Ethics versus efficacy  
Kumaresh Pandian, Saveetha Medical College, India

**12:50-13:10**  
**Title:** Synthetic bacteriophages as nanoparticles for intravenous administration of targeted gene therapy for cancer  
Keith Potent, Monash University, Australia

**Lunch Break:** 13:10-14:10 @ Atrium Restaurant

**Awards & Closing Ceremony**