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# *Scientific Program*

14<sup>th</sup> World Congress on

# Toxicology and Pharmacology

March 12-14, 2018 Singapore



**Hosting Organization: Conference Series LLC**

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## Day 1 March 12, 2018

09:00-09:30 Registrations

Seletar Room 3, Level 3

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09:30-10:00

# Opening Ceremony

## Keynote Forum

10:00-10:50 **Title: Life with Down's syndrome is no more challenging, rather beautiful**

**Swamy K B**, Lincoln University College, Malaysia

10:50-11:30 **Title: Microbial bioactive compound for food preservation with antioxidant**

**Regina Mary R**, Auxilium College, India

## Group Photo

Networking and Refreshments Break: 11:30-11:50 @ Seletar Foyer

Sessions: Toxicology | Toxicology and Risk Assessment | Experimental and Toxicologic Pathology | Forensic Toxicology | Analytical Toxicology | Pharmacological Testing

Session Introduction

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

11:50-12:20 **Title: A comprehensive method for the screening of drugs in severely decomposed human tissues by fast gas chromatography/tandem mass spectroscopy (Fast GC-MS/MS)**

**Brian Waters**, Fukuoka University, Japan

12:20-12:50 **Title: Snake venom peptides: Potential therapeutic agents in thrombotic diseases**

**Fabio de Oliveira**, Federal University of Uberlandia, Brazil

12:50-13:20 **Title: Ionizing radiation induces developmental abnormalities but not lethality of sea urchin embryos**

**Mahmoud Ibrahim Shoukamy**, Minia University, Egypt

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

14:20-14:50 **Title: In vivo characterization of the biochemical and histological changes induced by the stonefish (*Synanceia verrucosa*) venom in rats**

**Ahmad M Khalil**, Yarmouk University, Jordan

14:50-15:20 **Title: Tissue distribution of Suvorexant in three postmortem cases**

**Brian Waters**, Fukuoka University, Japan

15:20-15:50 **Title: Protective effects of vitamins on Diclofenac induced hepatotoxicity in adult male Wistar albino rats**

**Sankaran P K**, Saveetha Medical College and Hospital, India

Networking and Refreshments Break: 15:50-16:10 @ Seletar Foyer

16:10-16:40 **Title: A study on exploring the toxicity of alcohol in the oral mucosa of alcoholics**

**Karthikeyan G**, Saveetha Medical College and Hospital, India

16:40-17:10 **Title: Chemo-preventive potential of *Ficus deltoidea* on oral cancer cells in vivo**

**Aied Mohammed Alabsi**, University of Malaya, Malaysia

17:10-17:40 **Title: Using protein crystallography to disarm bacterial pathogens**

**Jason Paxman**, La Trobe Institute for Molecular Science, Australia

## Panel Discussion

## Day 2 March 13, 2018

Seletar Room 3, Level 3

## Keynote Forum

09:00-09:50 **Title: Profiling of lipid mediators and fatty acids in metastatic breast cancer in mice**

**Maria Walczak**, Jagiellonian University Medical College, Poland

Sessions: Food Safety and Environmental Toxicology | Forensic Toxicology | Applied Pharmacology | Environmental Pharmacology | Toxicology Applications | Toxicology and Risk Assessment

Session Introduction

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

09:50-10:20 **Title: Brain free hemoglobin increase is different among anticoagulant classes**

**Sergey V Brodsky**, The Ohio State University, USA

10:20-10:50 **Title: *Spinacia oleracea* in diet can help control obesity by its regulatory action on appetite**

**Vandana Sanjeev Panda**, Mumbai University, India

10:50-11:20 **Title: Food functionalization and preservative activity of bioactive colorant prodigiosin**

**Regina Mary R**, Auxilium College, India

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

13:00-13:20 **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: Intravenous iron sucrose and oral iron therapy in iron deficiency anemia during pregnancy: A comparative study in Indian population**

Siva V K, Saveetha Medical College, India

16:00-16:20 **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

Seletar 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 Introduction

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