148th OMICS Group Conference

Scientific Program

International Conference and Exhibition on

Pharmacognosy, Phytochemistry & Natural Products

October 21-23, 2013 Radisson Blu Plaza Hotel, Hyderabad, India



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OMICS Group Conferences

5716 Corsa Ave., Suite 110, Westlake Los Angeles, CA 91362-7354, USA

Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499

Email: *pharmacognosy2013@omicsgroup.us*

Day 1 October 21, 2013

08:00-09:30 Registrations

Azure 1

10:00-11:00 Opening Ceremony

Coffee Break 11:00-11:15

Keynote Forum

11:15-11:20 Introduction

11:20-11:40 **Chandrakant Kokate**
KLE University, India

11:40-12:00 **Alexander N. Orekhov**
Institute for Atherosclerosis Research, Russia

12:00-12:20 **Chandiswar Nath**
CSIR-Central Drug Research Institute, India

12:20-12:40 **Mohan Jain**
University of Helsinki, Finland

12:40-13:00 **Bhushan Patwardhan**
University of Pune, India

Lunch Break 13:00-14:15

Track 1: Evaluation and Identification of Phytoconstituents
Track 2: Analytical Techniques in Phytochemistry

Session Chair: Bhushan Patwardhan, University of Pune, India
Session Co-Chair: Luigi Silvestro, 3S-Pharmacological Consultation & Research GmbH, Germany

Session Introduction

14:15-14:30 Scanning electron microscopy of the leaf epidermis and pollen grains in the family Bignoniaceae juss. in Nigeria
G. E. Ugbabe, National Institute for Pharmaceutical Research and Development, Nigeria

14:30-14:45 A comparative study on the anti-diabetic activity of methanolic extracts of selected medicinal plants available in India
Tulliballi Shyam, Dr Samuel George Institute of Pharmaceutical sciences, India

14:45-15:00 Evaluation of inclusion complexes of α-amylase with hydroxypropyl ß- cyclodextrin
A. Swapna, Gokaraju Rangaraju College of Pharmacy, India

15:00-15:15 Role of biomarkers in development of drugs
M. Aruna, Telangana University, India

15:15-15:30 Identification and structure elucidation of cleomiscosins using spectroscopy
A. Sajeli Begum, Birla Institute of Technology and Science, India

Coffee Break 15:30-15:45

15:45-16:00 Dereplication and prioritizing drug extraction in natural product research through a green chemistry approach using microwave based technology: An attempt towards industrial scale up
Vivekananda Mandal, Guru Ghasidas Central University, India

16:00-16:15 Preparation and evaluation of inclusion complexes of papain with HP-ß-CD
A. Swapna, Gokaraju Rangaraju College of Pharmacy, India

16:15-16:30 Evaluation of natural saponins for its role in obesity
Payal Rahul Dande, SVKM's NMIMS, India

16:30-16:45 Application of ion mobility-mass spectrometry hyphenated to HPLC in urine studies of flavones metabolites: A real example on the caracterization of diosmine metabolites
Luigi Silvestro, 3S-Pharmacological Consultation & Research GmbH, Germany

16:45-17:00 Bioactivity directed HPTLC & GLC based phytochemical profiling of *Crotolaria juncia*
Sushil K. Singh, Indian Institute of Technology (BHU), India

17:00-17:15 A case for comparative clinical effectiveness research on botanical therapeutics
Rao S. Pippalla, Padmavathi College of Pharmacy, India

17:15-17:30 Standardization techniques involved in the estimation of soy isoflavones from *Glycine max* L. Merill
E. Sanmuga Priya, Anna University BIT Campus, India

Pannel Discussion 17:30-17:40

Azure 2

Track 4: Drugs from Natural Sources
Track 5: Toxicology Studies of Plant Products
Track 6: Ethnopharmacology

Session Chair: Chandrakant Kokate, KLE University, India
Session Co-Chair: Ciddi Veeresham, Kakatiya University, India

Session Introduction

14:15-14:30 Correlation between plasmatic flavonoids levels in humans related to dietary habitude and hexogenous administration
Simona Rizea Savu, 3S-Pharmacological Consultation & Research GmbH, Germany

14:30-14:45	**Induction of apoptosis in human lungs carcinoma (A-549) cell line by cytotoxic compounds of some Indian medicinal plants** **Mahapatra Anita**, National Institute of Pharmaceutical Education and Research, India
14:45-15:00	**Impact of quercetin, diallyl disulfide and nimbolide on the regulation of nuclear factor kappa B expression in prostate and breast cancer cell lines** **Arunakaran J**, University of Madras, India
15:00-15:15	**Problems and perspectives in identification of plant raw drugs in homoeopathy** **Suresh Baburaj**, Central Council for Research in Homoeopathy, India
15:15-15:30	**Cinnamaldehyde (a widely used food flavor): A double edged sword** **Sivakumar Gowder**, Qassim University, Kingdom of Saudi Arabia
15:30-15:45	**Plant products in the prevention of toxicity of anti-cancer drugs** **Suresh Attili**, Founder Director at MEDICIS labs and ClinSync, India
15:45-16:00	**Ethnomedicinal plants for evidence based health care from north-central western ghats of India** **Pramod H. J**, KLE University's College of Pharmacy, India
	Coffee Break 16:00-16:15
16:15-16:30	**Attenuation of diabetic nephropathy by natural products** **Yogesh A. Kulkarni**, SPP School of Pharmacy & Technology Management, India
16:30-16:45	**Screening of immunomodulatory activity of plant extracts** **G. K. Mallaiah**, Vaagdevi Pharmacy College, India
16:45-17:00	**Bioenhancers: Role in modifying drug bioavailability, metabolism and targeting** **Sandeep Arora**, Chitkara College of Pharmacy, India
17:00-17:15	**Standardisation of herbal drugs** **Rasika Bhalke**, University of Pune, India
	Pannel Discussion 17:15-17:25

Day 2 October 22, 2013

Azure 1

Track 3: Herbal Drugs and Formulations
Track 7: Phytochemistry and Phytoconstituents
Track 10: Crude Drugs and Plant Products

Session Chair: Chandrakant Kokate, KLE University, India
Session Co-Chair: G. E. Ugbabe, National Institute for Pharmaceutical Research and Development, Nigeria

	Session Introduction
10:00-10:15	**Pharmacognostic standardisation of *Juniperus virginiana* Linn. in homoeopathic parlance** **P. Padma Rao**, Central Council for Research in Homoeopathy, India
10:15-10:30	**Effect of the water extract of dried flowers of *Aegle marmelos* on fasting serum glucose concentrations and glucose tolerance of healthy volunteers** **Krishanthi Peshala**, University of Sri Jayewardenepura, Sri Lanka
10:30-10:45	**Evaluation of anti-pyretic effect of Sudarshana syrup on wistar rats** **W. A. S. Saroja Weerakoon**, University of Colombo, Sri Lanka
10:45-11:00	**LC-MS/MS based dereplication tool in identification of plant secondary metabolite** **Rabi Sankar Bhatta**, CSIR-Central Drug Research Institute, India
11:00-11:15	**Pharmacognostic and physico-chemical studies on seed of Datura ferox Linn** **P. Subramanian**, Central Council for Research in Homoepathy, India
11:15-11:30	**Standardization of Unani formulation with reference to Jawarish-e-Ood Kibreet** **Shamsul Arfin**, Central Council for Research in Unani Medicine, India
	Coffee Break 11:30-11:45
11:45-12:00	**Pharmacopoeial and microbial studies of Jawarish-E-Qaiser-A unani formulation** **Rampratap Meena**, Central Council for Research in Unani Medicine, India
12:00-12:15	**Preparation and *in vitro/in vivo* evaluation of controlled release gliclazide pellets using gum Kondagogu (*Cochlospermum gossypium* DC) as a hydrophilic matrix** **Kavitha Jayapal Reddy**, Jawaharlal Nehru Technological University, India
12:15-12:30	**Design and development of a polyherbal chewable tablet for anxiety** **D. Chamundeeswari**, Sri Ramachandra University, India
12:30-12:45	**Formulation characterization & evaluation of nanocarriers for topical delivery of colchicine** **Arvind Sharma**, Chitkara College of Pharmacy, India
12:45-13:00	**Chemical composition of the essential oil from the leaves of *Endostemon obtusifolius* (E.Mey. ex Benth.) N.E.Br.** **C. T. Sadashiva**, University of KwaZulu-Natal, South Africa
13:00-13:15	**Phytochemical and biological studies on *Anatolian Verbascum* L. species** **I. Irem Tatli Cankaya**, Hacettepe University, Turkey
	Lunch Break 13:15-14:30
14:30-14:45	**Phytochemistry and phytoconstituents of herbal drugs and formulations** **Papiya Bigoniya**, Radharaman College of Pharmacy, India
14:45-15:00	**Phytochemical analysis of sea buckthorn extracts and quantification of flavonoids by HPTLC** **Priyanka Sharma**, Defence Institute of Physiology and Allied Sciences, India
15:00-15:15	**Anthocyanin - A potential antiviral drug** **Shailima Vardhini**, St. Mary's College, India
15:15-15:30	**Synthesis of novel planar quinazolinones as possible DNA intercalating agents** **M. Sucheta**, University College of Science, Osmania University, India
15:30-15:45	**The docking studies of synthesised compound with potential PPAR-γ agonist activity** **Mohini A. Phanse**, Modern College of Pharmacy, India
15:45-16:00	**Preparation and evaluation of self nanoemulsifying drug delivery system of Itraconazole** **Trapti Saxena**, Gokaraju Rangaraju College of Pharmacy, India
	Coffee Break 16:00-16:15

16:15-16:30 **Antiproliferative potential of *Cuscuta reflexa* Roxb.**
Madhulika Bhagat, University of Jammu, India

16:30-16:45 **Phytochemical screening and cytotoxicity activity of crude extracts from *Pleurostylia capensis* (Celastracea)**
Shirley Keolebogile Caroline, Tshwane University of Technology, South Africa

16:45-17:00 **Quality control aspects of Eladi Churanam**
R. Shakila Sivanantham, Siddha Central Research Institute, India

Pannel Discussion 17:00-17:10

Azure 2

10:00-11:00 Poster No. 101-120

Coffee Break 11:00-11:15

11:30-12:30 Poster No. 121-140

Lunch Break 12:30-13:30

13:30-14:30 Poster No. 141-160
14:30-15:30 Poster No. 160-180

Coffee Break 15:30-15:45

Day 3 October 23, 2013

Azure 1

Track 8: Industrial Pharmacognosy
Track 9: Natural Products of Medicinal Interest

Session Chair: Rao S. Pippalla, Padmavathi College of Pharmacy, India
Session Co-Chair: Sivakumar Gowder, Qassim University, Kingdom of Saudi Arabia

Session Introduction

09:30-09:45 ***In silico* docking studies of bioactive natural plant products as putative DHFR antagonists**
Anuj Sharma, Indian Institute of Technology Roorkee, India

09:45-10:00 **Beetroot (*Beta vulgaris*) herbal alternative to synthetic acid base indicator use in titrimetric analysis**
Priyatama Powar, Padmashree Dr. D. Y. Patil College of Pharmacy, India

10:00-10:15 **Natural polymers-Current outcomes**
Vishnu Datta M, JSS University, India

10:15-10:30 **Synthesis of novel isoxazolobenzimidazoles as potent antiproliferative drugs**
Anwita Mudiraj, Osmania University, India

Coffee Break 10:30-10:45

10:45-11:00 **Microwave assisted extraction, isolation and characterization of secondary metabolite from *Eulophia Ochreata* Lindl.**
Akshada A. Koparde, Rajarambapu College of Pharmacy, India

11:00-11:15 **Anti-inflammatory activities and the safety of curcuminoid from *Curcuma domestica* Val. rhizome extract compared to diclofenac sodium for the treatment of osteoarthritis**
Nyoman Kertia, Gadjah Mada University, India

11:15-11:30 **Vegetables juice: New generation therapeutics for hyperglycemia and oxidative stress**
Ashok K. Tiwari, CSIR-Indian Institute of Chemical Technology, India

11:30-11:45 **Antiobesity efficacy and lipid lowering efficacies of piperine & pellitorine: A study on high fat diet induced obese Sprague Dawley rats**
P. Brahma Naidu, Sri Venkateswara University, India

11:45-12:00 **Role of curcumin in amelioration of hypobaric hypoxia induced skeletal muscle atrophy: *In vitro* and *in vivo* studies**
Geetha Suryakumar, Defence Institute of Physiology and Allied Sciences, India

12:00-12:15 **Determination of phenolic compounds in *Pinus eldarica* by HPLC**
Mahsa Sadeghi Afjeh, Tehran University of Medical Sciences, Iran

12:15-12:30 **Apoptosis in the human laryngeal carcinoma (Hep-2) cell line by *Bulbine natalensis* and *B. frutescens* fractions**
Lalini Reddy, Durban University of Technology, South Africa

Lunch Break 12:30-13:45

13:45-14:00 **Apoptotic mechanism of a synthetic triterpenoid cyano enone of methyl boswellate in cancer cell lines**
Palaniyandi Ravanan, VIT University, India

14:00-14:15 **Evaluation of antioxidant activity of extracts from four different agro-food byproducts**
Vadivel Vellingiri, Università Cattolica del Sacro Cuore, Via Emilia Parmense, Italy

14:15-14:30 **Studies on comparative nootropic activity of green tea and a marketed polyherbal formulation**
Sharadha Srikanth, C. M. R. College of Pharmacy, India

14:30-14:45 **New bioactive molecules from Indian medicinal plants for pharmaceutical and insecticidal applications**
Katragadda Suresh Babu, Indian Institute of Chemical Technology, India

14:45-15:00 **Wound healing activity of *Mimusops elengi* leaves**
Swapna Reddy, Gokaraju Rangaraju College of Pharmacy, India

15:00-15:15 **Bioactive natural products from Western Ghats**
Swati P. Joshi, CSIR-National Chemical Laboratory, India

15:15-15:30 **Evaluation of anti-inflammatory activity of leaves of *Hymenodictyon excelsum* Wall.**
Uma Chandur, Andhra University, India

15:30-15:45 **Antioxidant and antimicrobial property of mango (Mangifera indica L.) ripe peel**
Kalpna D. Rakholiya, Saurashtra University, India

Coffee Break 15:45-16:00

16:00-16:15 **Bioactive plants from northeastern of Brazil as a new resource to world pharmaceutical, cosmetic and food industries**
Claudia Sampaio de Andrade Lima, Federal University of Pernambuco, Brazil

16:15-16:30 **Endogenous Lebanese plants treating diabetes and related complications**
Karim M. Raafat, Beirut Arab University, Lebanon

16:30-16:45 **Workplace awareness and occupational health problems in pharma industry**
Bakhtiar Choudhary, Senior cunsultent, Sports Medicine, Ergonomics and Obesity, India

16:45-17:00 **Natural products of medicinal interest**
N. Santaiah, SBVR Degree College, India

Pannel Discussion 17:00-17:10

Azure 2

Track 11: Herbal System of Medicine
Track 12: Plant Biotechnology and Tissue Culture

Session Chair: Alexander N. Orekhov, Institute for Atherosclerosis Research, Russia
Session Co-Chair: Mohan Jain, University of Helsinki, Finland

Session Introduction

09:30-09:45	**Herb - Modern drug interactions** **Ciddi Veeresham,** Kakatiya University, India
09:45-10:00	**Standardisation and development of a polyherbal cough formulation** **Deepa Verma,** Mithibai College, India
10:00-10:15	**Toxicokinetics and tissue distribution studies of mercury in ayurvedic preparation - Shila Sindhur** **Challa S. Reddy,** Vaagdevi College of Pharmacy, India
10:15-10:30	**Individual and synergistic effects of *Aegle marmelos* and *Cressa cretica* against *Staphylococcus aureus*** **Meenakshi Vaidya,** Mithibai College, India
10:30-10:45	**Phase I and Phase II metabolism studies of Kutkin (isolated from *Picrorrhiza kurroa rhizomes*) using rat liver microsomes and hepatocytes** **Sheetal Anandjiwala,** National Institute of Pharmaceutical Education and Research (NIPER), India

Coffee Break 10:45-11:00

11:00-11:15	**Pharmacognostic and pharmacological potency of *Psidium guajava* L.** **Mital J. Kaneria,** Saurashtra University, India
11:15-11:30	**Comparison of the hypoglycaemic effect of aqueous extracts of natural plant and calli of *Munronia pinnata* in alloxan induced diabetic Wistar rats** **Swarna D. Hapuarachchi,** University of Colombo, Sri Lanka
11:30-11:45	**Molecular pharming: The new frontier for biopharmaceutical production** **Dinesh K. Yadav,** Amity University, India
11:45-12:00	**Production of phytopharmaceuticals from tissue cultures of medicinal plants** **Ciddi Veeresham,** Kakatiya University, India
12:00-12:15	**Natural products of medicinal interest** **M. Subba Reddy,** SBVR Degree College, India

Pannel Discussion 12:15-12:25

Award Ceremony



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OMICS Group Conferences
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2nd International Conference and Exhibition on
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OMICS Group Inc.
2360 Corporate Circle, Suite 400
Henderson, NV 89074-7722, USA
Ph: +1-888-843-8169
Fax: +1-650-618-1417
omicsonline@omicsonline.com

OMICS Publishing Group
5716 Corsa Ave., Suite 110, Westlake
Los Angeles, CA 91362-7354, USA
Ph: +1-650-268-9744
Fax: +1-650-618-1414
omicsonline@omicsonline.org

OMICS Group
SEZ Unit, Building No. 20, 9th Floor
APIIC Layout, HITEC City
Hyderabad-500081, AP, INDIA
Ph: 040-40131823, 040-47482222
omicsgroup@omicsgroup.org

Toll free
USA & Canada: 1-800-216-6499
Australia: 1-800-651-097
Europe: 0805-080048