

Tentative Outline

Thematic Issue for **THE NATURAL PRODUCTS JOURNAL**

Guest Editor: Dinkar Sahal

Unearthing New Antibiotics & Antimalarials

Aims & Scope

Today there is both urgency and opportunity to engage with strategies that explore new antibiotics and new antimalarials. Rampant resistance against till yesterday effective antibiotics and antimalarials is the cause for urgency while the advent of High through put screens for drugs and drug targets, innovative chromatographic platforms, evolving concepts to understand the enigma of druggability, fathoming biology with quantitative “omic” tools and the ability to engineer and reboot organisms through synthetic biology are the opportunities. Imaginative cross fertilization of data on an information technology platform could allow us to predict that unknown, uncultivable organisms in deep sea have the genetic make up to provide us a wide spectrum of drugs. This special issue aims to bring together investigative research articles, reviews and debates in all areas of antibiotic and antimalarial drug discovery.

Key words:

High through put screens, Activity guided chromatographic purification, metagenomics as repository of drugs, finding chemical structures and confirming through laboratory synthesis, Strategies to identify and shoot at drug targets

Subtopics:

Exploring the myth and reality of folk medicine

Observing Nature in search of new drugs

Value addition to Nature’s drug like molecules

eDNA to drugs

Identifying chemosensitizers to overcome resistance against existing drugs

Aiming drugs to their targets

Synergy in drug action & delivering synergy combinations to target cells

Holistic view of antibiotic and antimalarial drugs

Milieu which fosters discovery of antibiotic and antimalarial drugs

Schedule:

Manuscript Submission Deadline: 30 December 2013

Peer Review Due: 30 January 2014

Revision Due: 15 February 2014

Notification of acceptance by guest editor: 1 March 2014

Final manuscripts due: 16 March 2014