Tentative Outline

Special Issue for Current Drug Metabolism

Guest Editor(s):
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Pharmacokinetic herb-drug interactions: emerging safety concerns

Aims & Scope:

Herbal supplements are easily accessible to people and the sale of herbal supplements in United States has been increasing for the last 16 years (American Botanical Council). Many people consume herbal supplements to reduce cost of health care and to boost the therapeutic effects of conventional drugs with the belief that natural equals safe. The increasing popularity of herb supplements consumption raised concerns from scientific researchers on herb-drug interactions. Co-administration of herbal supplents may influence absorption, distribution, metabolism and excretion of conventional drugs causing safety and efficacy concerns. The scope of the special issue is to include reviews on pharmacokinetic herb-drug interactions using in vitro, in silico, and in vivo studies.

Key words: (at least 6-8 keywords)
Pharmacokinetics, herb-drug interaction, natural products, enzymes, transporters, pharmacogenetics.

Subtopics: (Paper titles along with the Contributors complete name, affiliation and emails)

1. The role of liver, intestine, kidney, and other organs in pharmacokinetic herb-drug interactions.
2. The role of enzymes and transporters in pharmacokinetic herb-drug interaction.
4. Simulation and prediction of herb-drug interaction using mechanistic static and dynamic models.
5. Pharmacogenetics in pharmacokinetic herb-drug interactions.

Schedule:

Manuscript submission deadline: 04/30/2018
Peer Review Due: 5/30/2018
Revision Due: 6/30/2018
Notification of acceptance by the Guest Editor: 7/30/2018
Final manuscripts due: 8/30/2018
Final date of Submission of Special issue: 8/30/2018