# Special Issue

# Biological Evaluation of Drugs

### Message from the Guest Editor

The biological evaluation of drugs is important for the study of pharmacological activity, potency and toxicity. These methods are considered to be less precise, more time-consuming and more expensive. Biological evaluation is especially needed for crude drugs, i.e., any naturally occurring, unrefined substance derived from organic or inorganic sources. Bioassays should be as simple as possible, and attempts should be made to have access to a large number of different tests so that many biological properties can be screened. The bioassay methods are of three types: toxic, symptomatic and tissue or organ methods. Different animals are used in the toxic and symptomatic methods, and isolated organs or tissue are used in the third method. These assays are conducted by determining the amount of drug of known potency required to produce a definite effect on suitable test animals or organs under standard conditions. Toxicity studies aim to evaluate the safety of potential drug candidates. They are performed in suitable animal models and validated procedures are used in order to decide the lethal dose and effective dose.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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