Tentative Outline

Special Issue for Current Medicinal Chemistry

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Natural Products against Microbial Pathogens

Aims & Scope:

Natural products (NP) are of great importance in the identification and development of antimicrobial agents. While the emergence of microbial pathogens resistant to antibiotics is of great concern. The lack of new antimicrobial agents approved into markets also pushes the academic and industrial researchers to discover and to develop new antimicrobial agents. Recent years have seen the great attempts to identify antitumor compounds from plant-derived compounds. Considering the diverse pharmacological activities of many NP, this issue is to provide the latest progress in activities and mechanisms of NP against common bacterial and fungal pathogens. The scopes will include, but will not be limited to the following: activities and mechanisms of antifungal, antibacterial and antiviral compounds from edible or medicinal plants, or from organisms in ocean, structure-activity relationship, optimization of NP or current drugs.

Topics to be covered (main bioactive component):

- antifungal,
- antibacterial,
- antiviral,
- optimization,
- structure-activity relationship
**Keywords:**

Antimicrobial, microbial biofilms, microbial pathogens, antibiotic resistance, virulence, optimization, structure-activity relationship.

**Schedule:** The final articles will be delivered by January 2019.