

Tentative Outline
Special Issue for Current Organic Chemistry
Guest Editor(s): Lei Cheng and Xuedong Zhou
TITLE: Dental Caries and Organics

Aims & Scope:

The thematic issue is a collection of reviews concerned with the latest research achievements in dental caries related organics. It is focused on (1) the relationship between organic molecules, organic matter and the etiology, pathology of dental caries and its affecting factors, (2) the influence of dental materials, antibiotics, small molecule, natural products on caries treatment, prevention and control. It also provides an opportunity for audience to understand the current developments in the fields of oral diseases correlated organic molecules, organic matters, dental materials, etc. With emphasis on diversity and comprehensiveness of the thematic issue, the review articles will provide a concise and synthesized overview of latest research in rapidly progressing or emerging areas including not only basic research but also clinical application study.

Subtopics:

- Dental restorative materials and dental caries: state-of-the-art
- Biosynthesis and regulation of surface structures in *P. gingivalis*
- Organics in dental plaque biofilms
- The main application of antibiotics in dental caries
- Nicotine and oral bacteria
- Antibacterial dental materials and dental caries
- Biomineralization of dental caries
- Aging research of dental materials
- Small molecule inhibitor for bacterial biofilms
- Natural products and dental caries prevention

Approximate Schedule:

- Manuscript Submission Deadline: 08/31/15
- Peer Review Due: 10/31/15
- Revision Due: 12/31/16
- Notification of Acceptance by the Guest Editor: 02/28/16
- Final Manuscript Due: 04/15/16