

Tentative Outline
Special Issue for Current Organic Chemistry
Guest Editor(s): Zhang Qi

**TITLE: Antibody design for synthetic and natural
compounds and their main applications for food and
environment safety**

Aims & Scope:

Food and environment safety has been becoming the issue concerned on by all over the world, not only governments and social organizations, but also more and more general people. Most of those contaminants are synthetic or natural organic compounds which are related to some kind of fetal diseases of human and animal. Also, rapid immunoassay technology for those contaminants is focused on both developed and developing countries. Herein we are endeavoring to summarize critical and updated knowledge for researchers to further explore specific antibodies against natural and synthesized contaminants and their important applications.

Subtopics:

1. Original of Antibody design for synthetic and natural compounds: fundamentals of haptens
2. Antibody developments and immunoassays for organophosphorus chemicals
3. Antibody developments and immunoassays for pyrethroid chemicals
4. Antibody developments and immunoassays for carbamate chemicals
5. Antibody developments and immunoassays for sulfanilamide chemicals
6. Antibody developments and immunoassays for Nitrofurans chemicals
7. Antibody developments and immunoassays for Organochlorine chemicals
8. Antibody developments and immunoassays for Polycyclic Aromatic Hydrocarbons
9. Antibody developments and immunoassays for mycotoxins
10. Antibody developments and immunoassays for hormones

Tentative submission deadline: 30/06/2016