

Tentative Outline
Special Issue for Current Organic Chemistry
Guest Editor(s): Dobromir Dimitrov Enchev

**TITLE: Progress in the Chemistry of Organophosphorus
Compounds**

Aims & Scope:

Organophosphorus compounds are important intermediates in organic synthesis and have been widely used as pharmaceutical, agricultural, and chemical agents. Recently phosphorus heterocycles have received considerable interest because of their unique biological activities as hydrolytic enzyme inhibitors and their anticancer effects, as well as because of their wide-ranging utilities as synthetic intermediates in organic syntheses. Consequently, much attention has been directed to the synthesis of these compounds. From a synthetic point of view, the chemistry of organophosphorus compounds is challenging and does not always follow the predicted routes.

Based on the wide scope of application of organophosphorus compounds, this special issue aimed to emphasize the attention to the recent achievements on this subject.

Subtopics:

- New Developments of the Kabachnik-Fields Reaction
- Application of the P-H Group Reactivity in Drug Conjugation, Advances in Chemistry of Unsaturated Phosphonates
- Recent Advancements in Synthesis and Applications of Mixed Sulfonamide-Phosphine Ligands
- Cytotoxic and Genotoxic Activities of Oxaphosphole Derivatives
- Chiral Hypervalent Phosphoranes

Approximate Schedule:

Manuscript Submission Deadline: 10/15/2015

Peer Review Due: 11/15/2015

Revision Due: Nov. 11/30/2015

Notification of Acceptance by the Guest Editor: 12/15/2015

Final Manuscript Due: 12/22/2015