



Design and Synthesis of Bioactive Compounds

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Message from the Guest Editor

Dear Colleagues,

Many drugs available today were discovered by chance. Drug design is aiming to invent and develop novel biologically-active molecules (leads) for targets (e.g., enzyme, receptor, cell, tissues, etc.) in therapeutic areas. For developing such potential leads all known theoretical and experimental knowledge of the physiological targets is applied. Most commonly, these targets are enzymes and thus enzyme inhibitors account for many of the drugs on today's market and cover many different therapeutic areas. This issue will cover all remaining techniques of drug design, including: rationale search for novel scaffold, computer-aided design, use of multicomponent chemistry, structural analogy approach, structural and topographical mimetics, multitarget drug design including drug repurposing, natural product-based drugs, etc.

Prof. Dr. Paweł Kafarski
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Message from the Editor-in-Chief

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