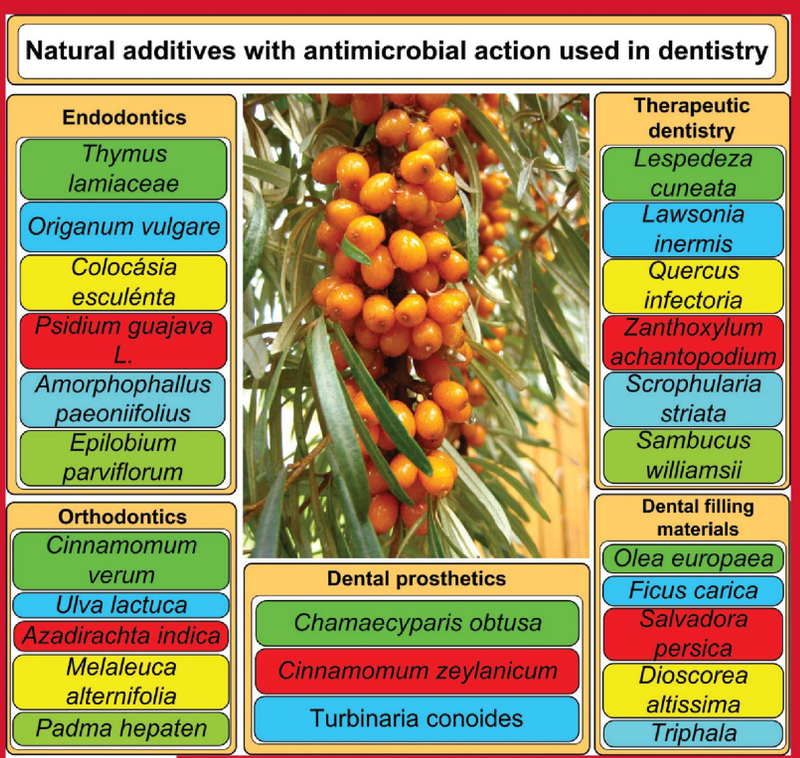
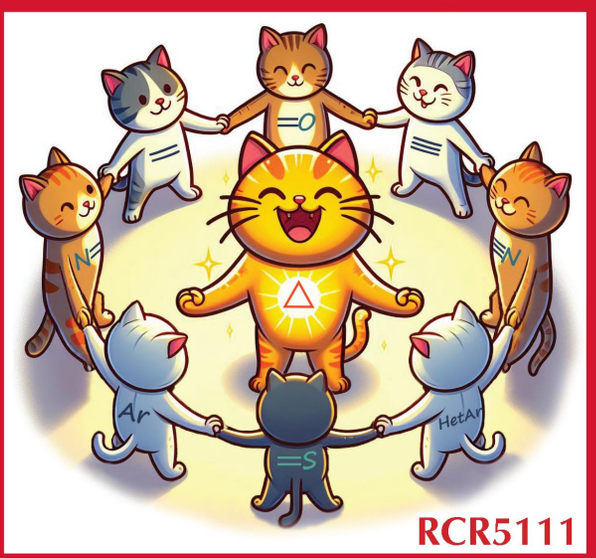
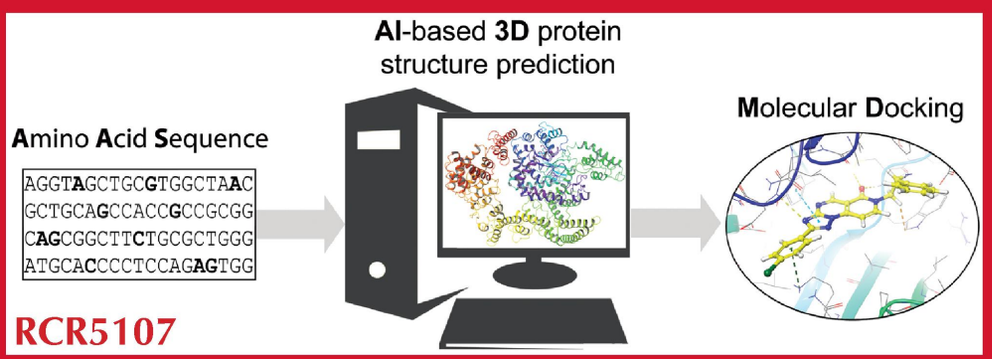
Russian Chemical Reviews

Успехи химии







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Содержание

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Contents

Cyclization reactions of cyclopropane derivatives with conjugated carbo- and heterosystems

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The strained structure of cyclopropanes serves as a kind of trigger for a variety of chemical transformations. Among others, processes involving conjugated unsaturated systems are of particular interest. The systems of unsaturated bonds are characterized by the possibility of flexibly varying their reactivity up to their full involvement in transformations. This review is the first to consider options for implementing the idea of combining the strain energy of cyclopropanes and the synthetic capacity of conjugated unsaturated systems within a single concept. A detailed analysis of processes involving activated cyclopropanes and numerous carbodiene and heterodiene systems is presented.
Bibliography — 289 references.