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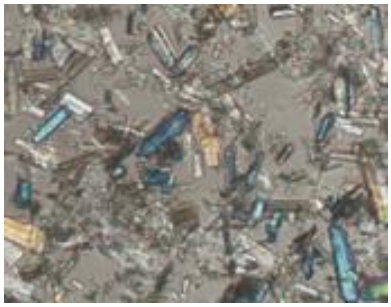
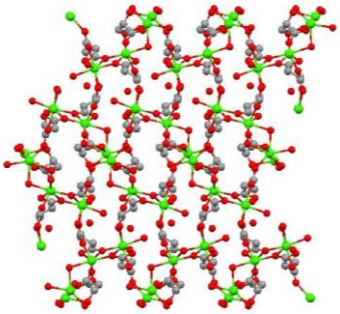
RESEARCH HIGHLIGHTS

1. Biocompatible Reticular Materials

Biocompatible Metal Organic Frameworks (MOFs) particularly of s-block MOFs are newly developed or modified as potential nano-carriers for targeted pulmonary therapeutic against lung cancer and the controlled release of pesticides and fertilizers for sustainable agriculture.





2. Digital Reticular Materials

Computational prediction and simulation of Metal Organic Frameworks (MOFs), Zeolitic Imidazolate Frameworks (ZIFs) and Covalent Organic Frameworks (COFs) for various chemical reactions, and pharmaceuticals and agricultural applications.