



## Perspective biomaterials and medical technologies

Synthesis and properties evaluation of glass, ceramics, polymers and composites biomaterials. In vitro and in vivo tests of synthesised biomaterials

The optimisation of technological parameters of synthesis; mechanical properties dependence of the composition of materials

Investigation of the interface between the implant and biological tissue, biofunctionalisation of materials surfaces

Production of medical implants for maxillofacial surgery and its clinical studies

Development of optical and spectroscopical medical technologies for diagnostics and therapy of damaged biological systems



Synthetic porous hydroxyapatite for maxillofacial surgery

