

**FACULTY OF CHEMISTRY AND CHEMICAL ENGINEERING  
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**AND**

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## **BOOK OF ABSTRACTS**

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**Vpliv iniciatorja in topila na porozno strukturo biozdružljivih polimerov**

**Influence of initiator and solvent on porous structure of biocompatible  
polymers**

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**Abstract:** Biocompatible poly (trimethylolpropane triacrylate) monolithic supports were prepared by polymerisation of the continuous phase of water in oil high internal phase emulsions. Different photoinitiators were used. The influence of initiators on porous structure was studied. The addition of solvents decreased the viscosity of prepared emulsions and typical polyHIPE structure was observed.

Morphology of monolithic materials was investigated by scanning electron microscopy. The pore distribution and BET surface area were determined by nitrogen gas adsorption method.

**Key words:** initiator, polyHIPE, biocompatibility, polymer.