

**Annotations of Doctoral Thesis Topics for Degree Course in
„Biomaterials and Biocomposites“
for the Academic Year 2017/2018**

Topic: Synthesis and processing of materials for bioapplications

Tutor: prof. Ing. Vladimír Sedlařík, Ph.D.

Consultant: Ing. Pavel Kucharczyk, Ph.D.

E-mail: sedlarik@cps.utb.cz

Annotation:

The PhD project is aimed at synthesis, characterization and processing of novel materials derived from biodegradable polyesters and/or conjugated polymers for medical and/or environmental applications. An involvement of the student into projects implemented at Centre of Polymer Systems is planned.

Requirements:

Knowledge of inorganic, macromolecular and analytical chemistry and physics at the university level. Knowledge of the English language and/or potential to improvement. Basic manual and laboratory work skills. Ability to work independently.