

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

**Topic:** Bioactive packaging

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

**Consultant:** Ing. Petr Stloukal, Ph.D.

**E-mail:** sedlarik@cps.utb.cz

**Annotation:**

The PhD project is aimed at development of novel types biodegradable and/or antimicrobial food packaging. This multidisciplinary topic connects fields of material engineering, chemistry, physics and biology. An involvement of the student into an implementation of projects with close connection to practice is planned.

**Requirements:**

Knowledge of inorganic and organic 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.