

## **Annotation of Doctoral Thesis Topics for Degree Programme „Biomaterials and Biocomposites “**

**Topic:** Novel trends in polymer materials recycling technologies

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### **Annotation**

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The topic focuses on research of new procedures and technologies for recycling materials based on synthetic and natural polymers. Research attention will be devoted to issues including the identification of recyclates, research into parameters affecting the quality of recyclates and the influence of additives. Significant attention will be paid to research on the safety of the use of recyclates for end use. Part of the study will be the involvement of the student in solved projects with a close connection to practice.

During the course of study, the student will become familiar with modern processing and analytical techniques and gain foreign experience. The content of the course is designed in such a way that the student can easily find employment in the industrial and academic spheres in the Czech Republic and abroad after graduation. The specific assignment will be defined on the basis of currently solved projects and preliminary agreement with the supervisor.

#### **Requirements for a student:**

- Proactive approach to study and work.
- Willingness for professional and personal growth.
- University education in a field related to the topic of the dissertation.

#### **We offer:**

- Work in a top-class equipped workplace.
- Close connection with practice.
- The possibility of gaining experience abroad.
- Involvement in solved projects and appropriate financial evaluation.
- Scholarship.
- A fair and transparent approach.
- The possibility of developing creative potential in the field.