

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

Topic: Biotechnological production of biologically active substances

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Annotation

The topic focuses on the research of biotechnological procedures for the production and isolation of bioactive substances for modifying the properties of polymer systems with use in medicine, cosmetics and packaging materials. The topic includes a significant proportion of experimental work in the microbiology laboratory. 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.