

**THE FACULTY OF GEOENGINEERING
ENVIRONMENTAL ENGINEERING
BIOTECHNOLOGY
BIOFILMS LABS**

LABS week 1 **March 23, 2023**

Screening biofilm formation abilities: microplate reader recordings and conclusions.

LABS week 2 **March 30, 2023**

Biofilm establishment on inert surfaces and identification of the high-risk surfaces (Microbiological testing).

LABS week 3 **April 6, 2023**

Microbiological testing results and conclusions. Microscopic imaging of biofilm structure and physiology.

Final (written) test from the biofilms course content.

LITERATURE

1. Edited by Piet Lens, Anthony P. Moran, Therese Mahony, Paul Stoodley and Vincent O'Flaherty, Biofilms in Medicine, Industry and Environmental Biotechnology: Characteristics, Analysis and Control, Wyd. IWA Publishing UK, R. 2003
2. Edited by Manuel Simoes, Anabela Borges and Lucia Chaves Simoes, Recent Trends in Biofilm Science and Technology, Wyd. Academic Press 2020 Elsevier Inc. UK, R. 2021

SUPPLEMENTARY LITERATURE

1. Various authors, Research and review articles, Based on own selection or supervisor advice. Elsevier, Wiley, etc.