



UNIWERSYTET  
MIKOŁAJA KOPERNIKA  
W TORUNIU  
Wydział Chemii

# Wydział Chemii Uniwersytetu Mikołaja Kopernika w Toruniu

Zaprasza na

## Seminarium wydziałowe

pod tytułem:

**DESIGN AND SYNTHESIS OF ELASTIN-MIMIC  
SEQUENCES OF POLYPEPTIDES: THERAPEUTIC  
APPLICATIONS OF THEIR BLENDS WITH  
COMMERCIALY AVAILABLE POLYMERS**

które wygłosi

**Prof. Mahesh Basavaraju**

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**25.10.24 (piątek) o godzinie 10:00**

**w Bibliotece Wydziału Chemii**



## Abstract

Polymer blends are promising materials that are revolutionizing tissue engineering due to their ability to imitate the extracellular matrix and promote cell proliferation and differentiation. They find applications in both medical and non-medical domains. In this context, (a) the synthesis of elastin-like polypentapeptide, (b) their miscibility characteristics with commercially available polymers, and (c) their thermal characteristics are discussed. Furthermore, an effort is made to discuss the applications of these novel blends in wound healing. The results advocate for the promising applications of these novel materials in biomedical fields