



Seminars 23/24

Unveiling the Amphiphilic Nature, Characteristics and Diverse Applications of Fungal Hydrophobins through Protein Engineering

AYDINLAR
SİTESİ

MEHMET ALİ AYD
ÜNİVERSİTESİ



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23.2.2023 Friday
14:00 KP315

This talk will explore the multifaceted world of fungal hydrophobins, emphasizing their amphiphilic nature and astounding diversity. Analyzing the role of hydrophobins in conidiospore dispersal and survival dynamics, we conduct a comprehensive comparative molecular dynamics analysis and a detailed physiochemical analysis of hydrophobins produced in *Pichia pastoris*. These amphiphilic molecules have a variety of versatile applications beyond unraveling their molecular complexity. From enhancing crop resilience to their potential in diverse biotechnological, health, and pharmaceutical contexts, hydrophobins offer practical solutions to contemporary problems.