



**UNIVERSITÀ
DEGLI STUDI DI BARI
ALDO MORO**



DIPARTIMENTO DI
BIOSCIENZE, BIOTECNOLOGIE
E BIOFARMACEUTICA

*Una delle finalità della
Terza Missione Universitaria
è la valorizzazione economica della
conoscenza, ossia la trasformazione della
conoscenza prodotta dalla ricerca in
conoscenza utile a fini produttivi.*

VISITING PROFESSOR 2021

Enrico Marsili is Associate Professor at Department of Chemical and Materials Engineering, School of Engineering, Nazarbayev University, Kazakhstan.

Prof. Enrico Marsili will spend two months at the Department of Bioscience, Biotechnology and Biopharmaceutics as visiting professor hosted by Prof. Pisano Isabella and Prof. Marobbio Carlo. During his stay, Prof. Marsili will collaborate with research staff of the department, as well as offer a course to BSc and MSc students of Biotechnology Faculty.



PRESENTATION OF THE PLANNED RESEARCH AND EDUCATION ACTIVITIES.

Prof. Enrico Marsili

19 Febbraio 2021, ore 15,30

Piattaforma Teams

Codice Team: u9oho83

Research Interests: Microbial biofilms

- fundamental characterization and applications: bioelectrochemical sensors, bioelectrochemical processes, bioremediation, energy conversion, and biosynthetic nanomaterials.
- control of biofilms through nanoparticles, antimicrobials, and ultrasound for biomedical applications; Metal-microorganism interactions and microbially influenced corrosion.

Education activities: Introduction to Biofilm Science and Engineering

The course will be suitable for BSc, MSc and PhD students with prior knowledge of fundamental microbiology and chemistry. Course aims:

- knowledge transfer on Biofilm Science and Engineering (basic methods for biofilm control and mitigation; current biofilm characterization methods; principles of agent-based modelling applied to biofilms)
- describe the career as biofilm experts in modern Biochemical and Bioprocess industry

Per i dottorandi del Corso di Dottorato in "Genomica e Proteomica Funzionale e Applicata" e per gli studenti di biotecnologie dei corsi di laurea triennali del III anno e magistrali, la partecipazione al seminario conferirà un attestato per il riconoscimento di 0.25 CFU.

**Il Delegato del Direttore
per la Terza Missione**

Prof.ssa Isabella Pisano