



# UNIVERSITÀ DEGLI STUDI DI MILANO

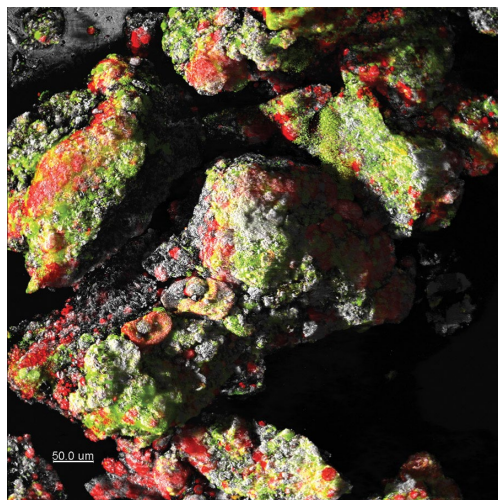
## Corso di Dottorato in Scienze della Terra



**23-25<sup>th</sup> January 2023 - Short course (3 cfu, 15 hours) – Teaching room to be defined**  
**Dipartimento di Scienze della Terra “A. Desio”, via Mangiagalli 34, Milano**

### Geomicrobiology of natural and built environments

by Federica Villa



#### PROGRAM

- Biofilm lifestyle on rocks and outdoor stone monuments.
- Impacts of biofilm formation on lithic substrata under a changing environment.
- Biodeterioration and bioprotection of stone heritage.
- Methods and challenges in lab-scale reproduction of biofilms at the stone/air interface.
- Cutting-edge techniques to study biofilm components, structure, phenotype and activity.



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