L8: Surfaces, Overlayers, and Multilayer Structures for Multifunctionality: from Catalysts to OLEDs to Bioactive Films

- . Surfaces
- · Periodic and Cluster Models
- Overlayers
- . Multilayers
- . Multifunctionality
- . Catalysts
- OLEDs
- Bioactive Films











































## Biomaterials are all about Wet Surfaces

Hydroxyapatite (HAP) is the <u>hydrogen atom</u> of bone and tooth. It is a 'Green Catalyst' for oxidative reactions, and a component of composite (e.g., TiHAP) photoactive materials used to remove organic and bioactive airborne particles



















