

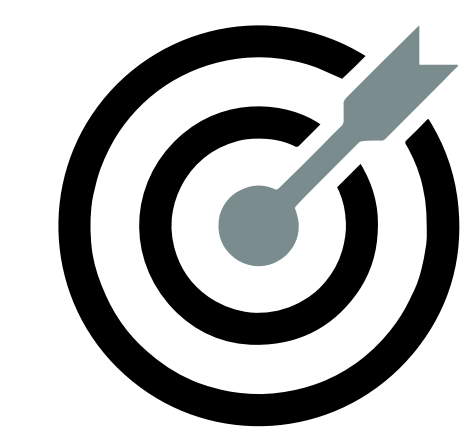


Nanomaterials for environmental remediation and sensing

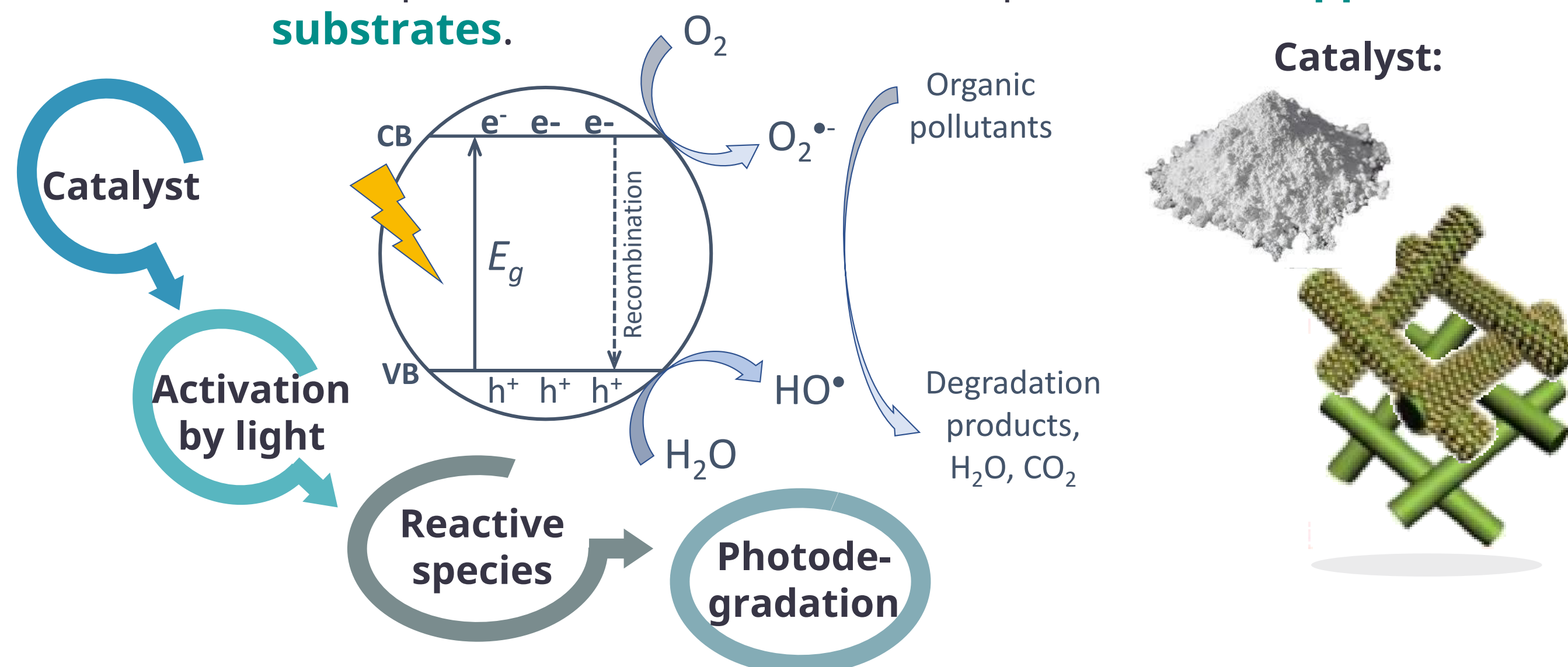
AUTHOR: Virgínia Ferreira

R&D UNIT: CQE/FCUL-Chem4Env

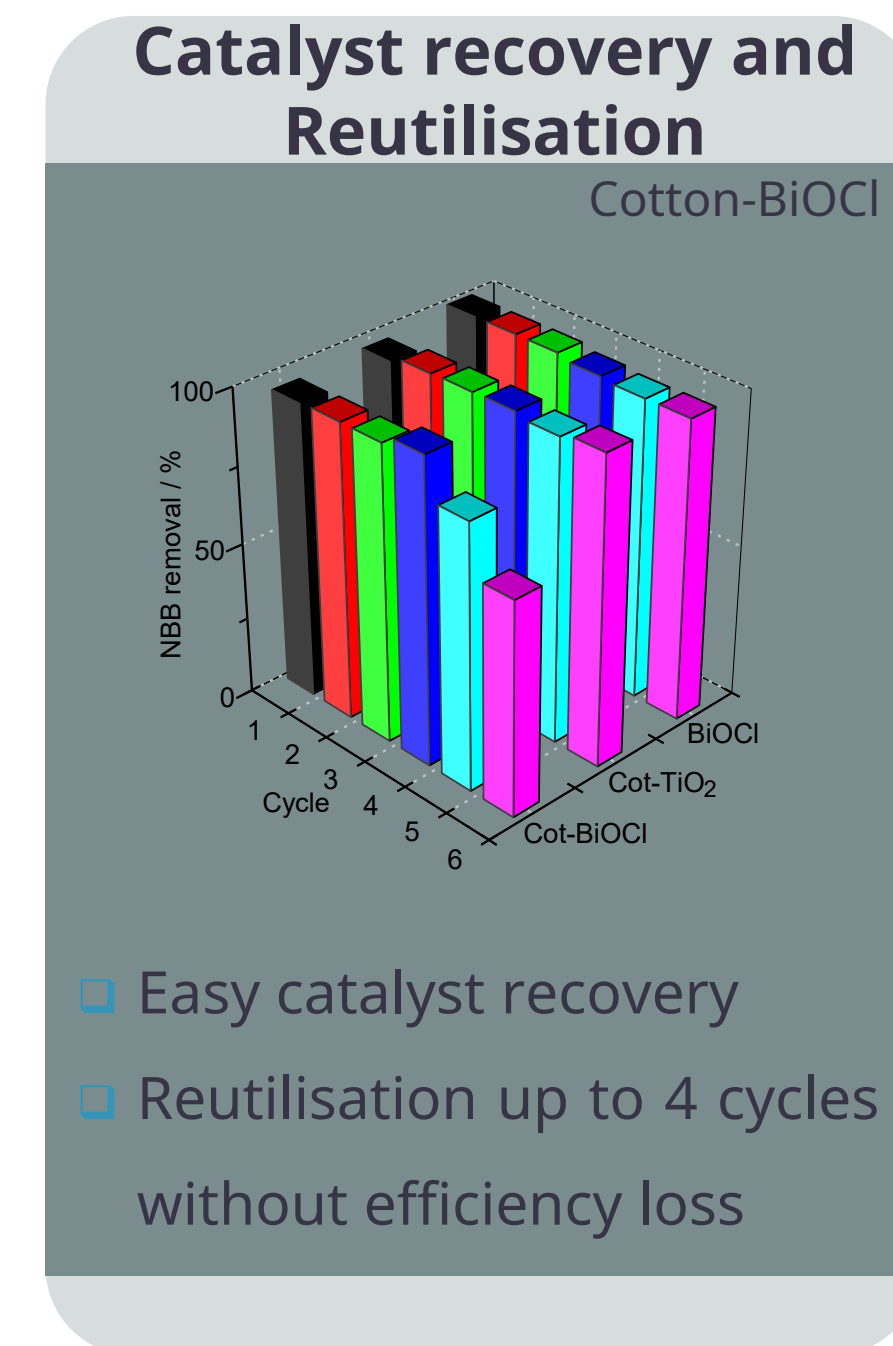
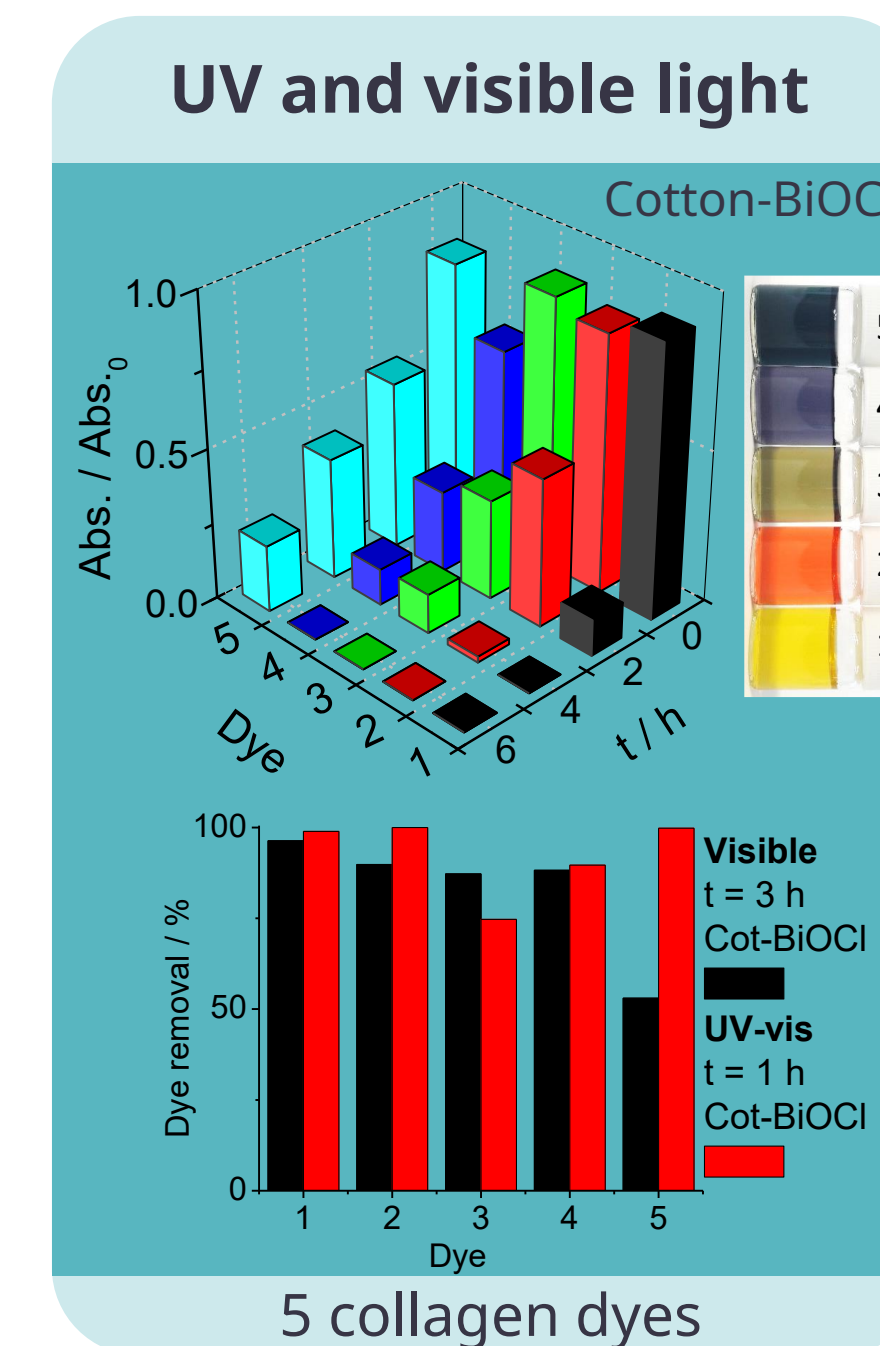
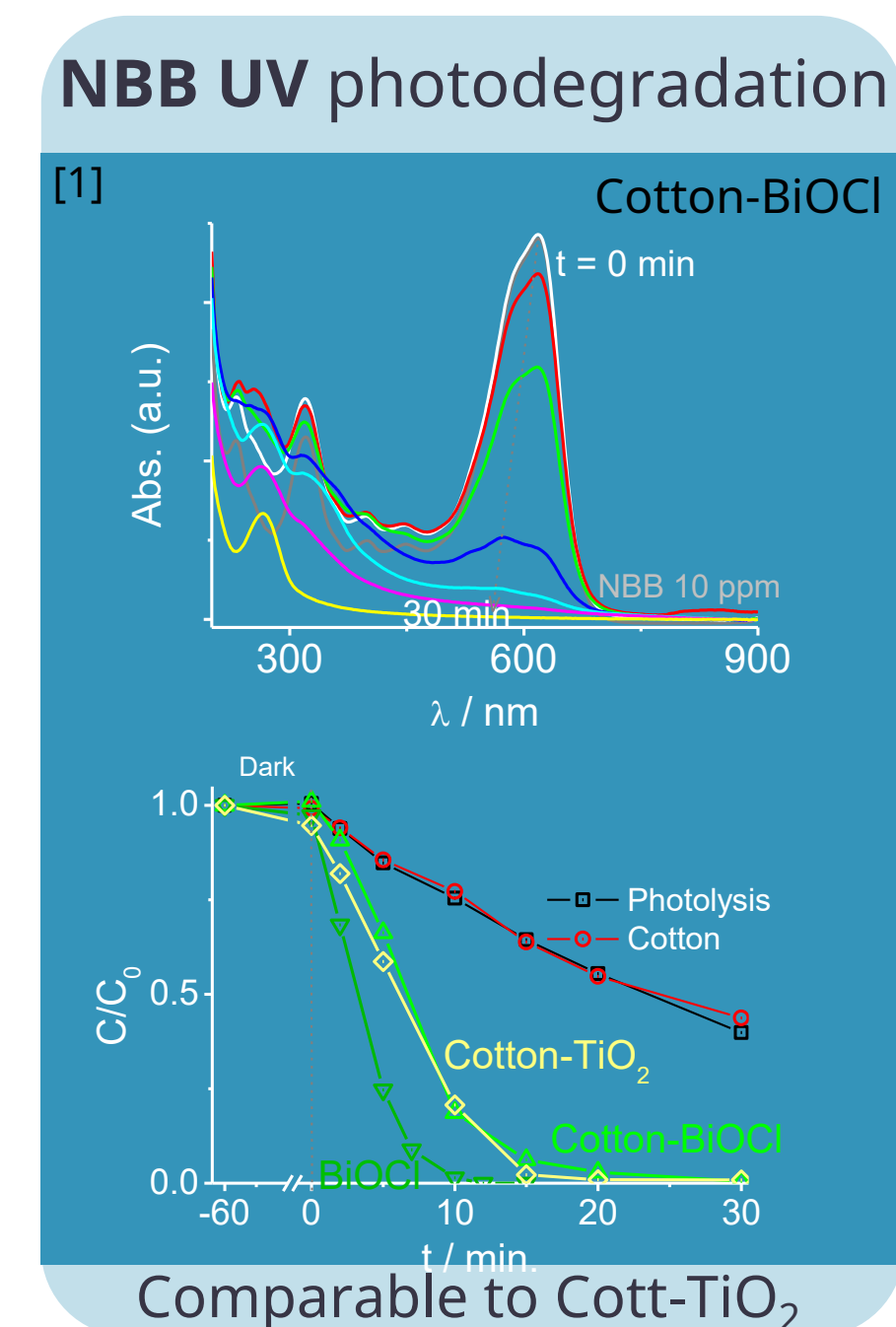
CONTACT: vcferreira@fc.ul.pt



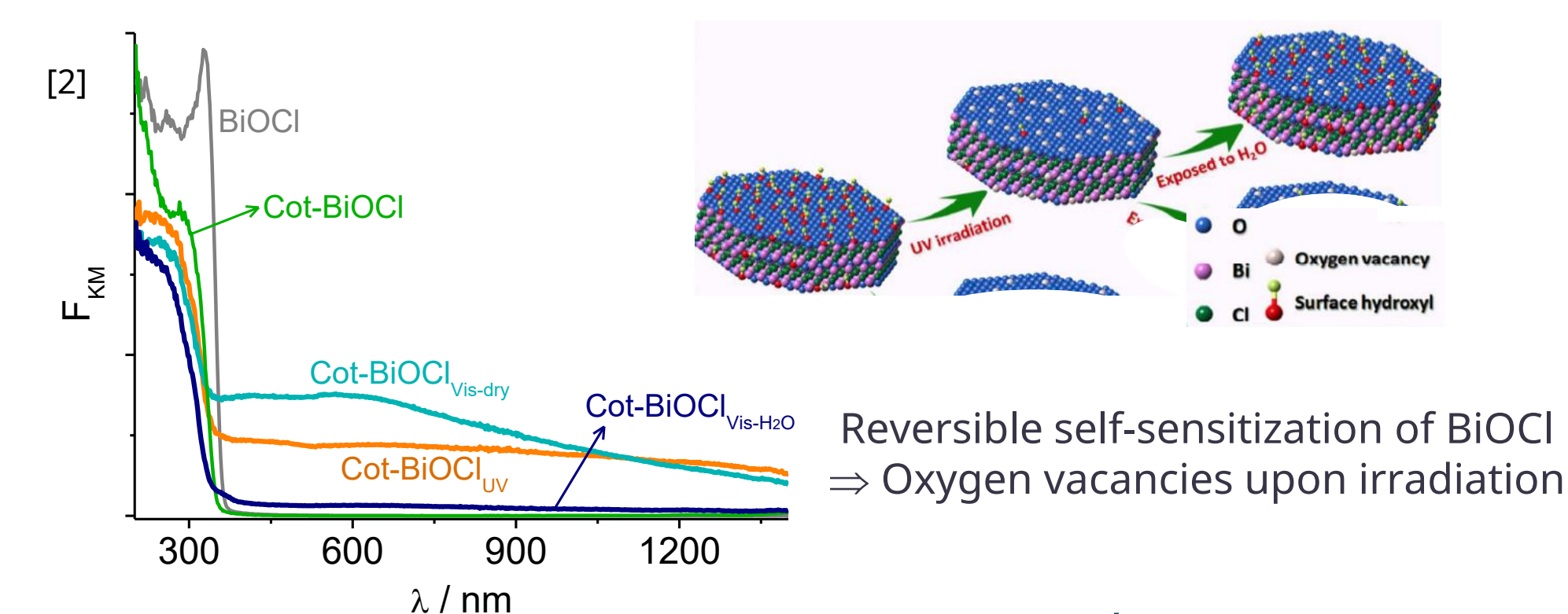
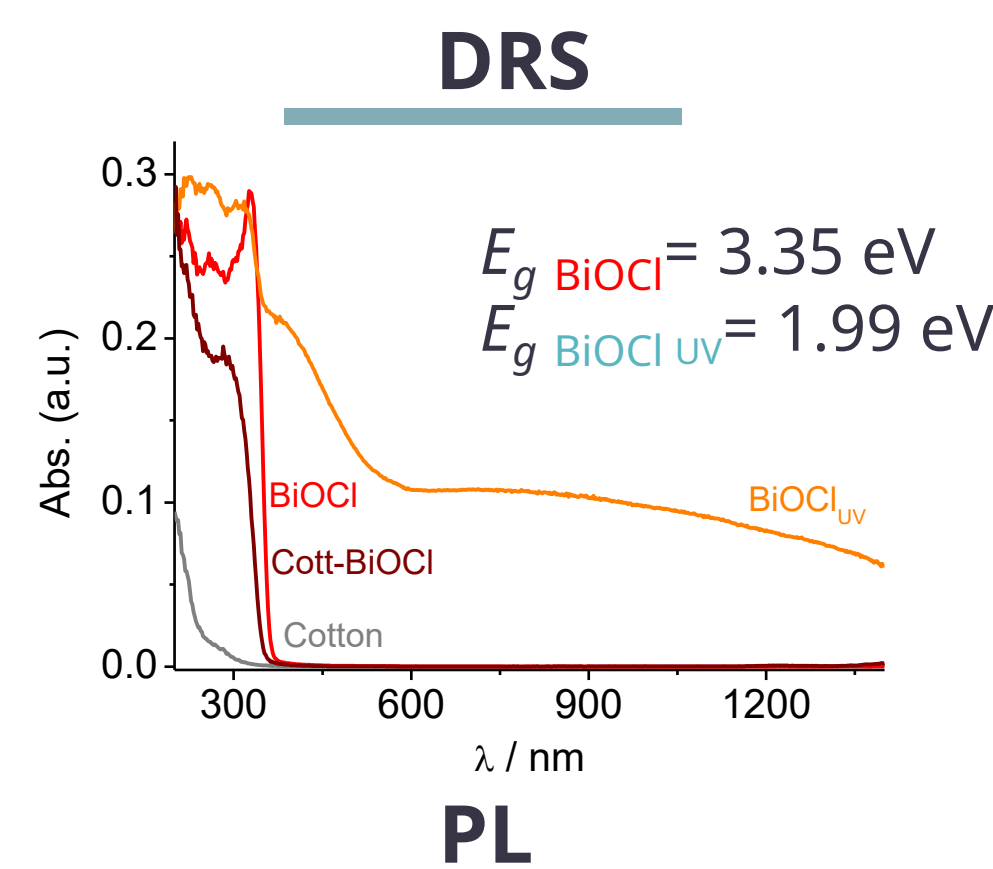
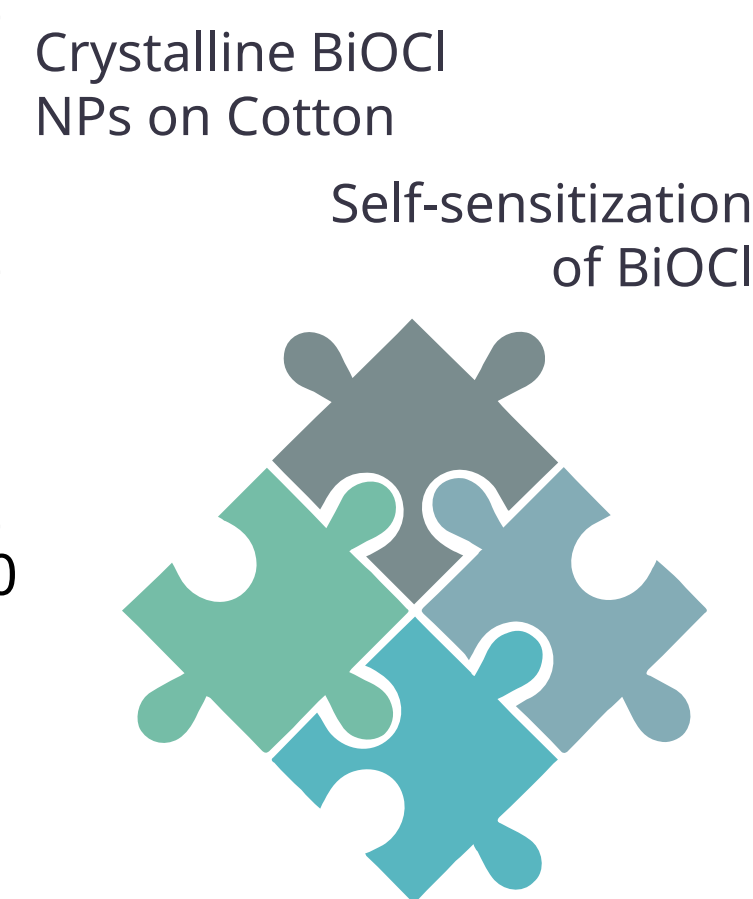
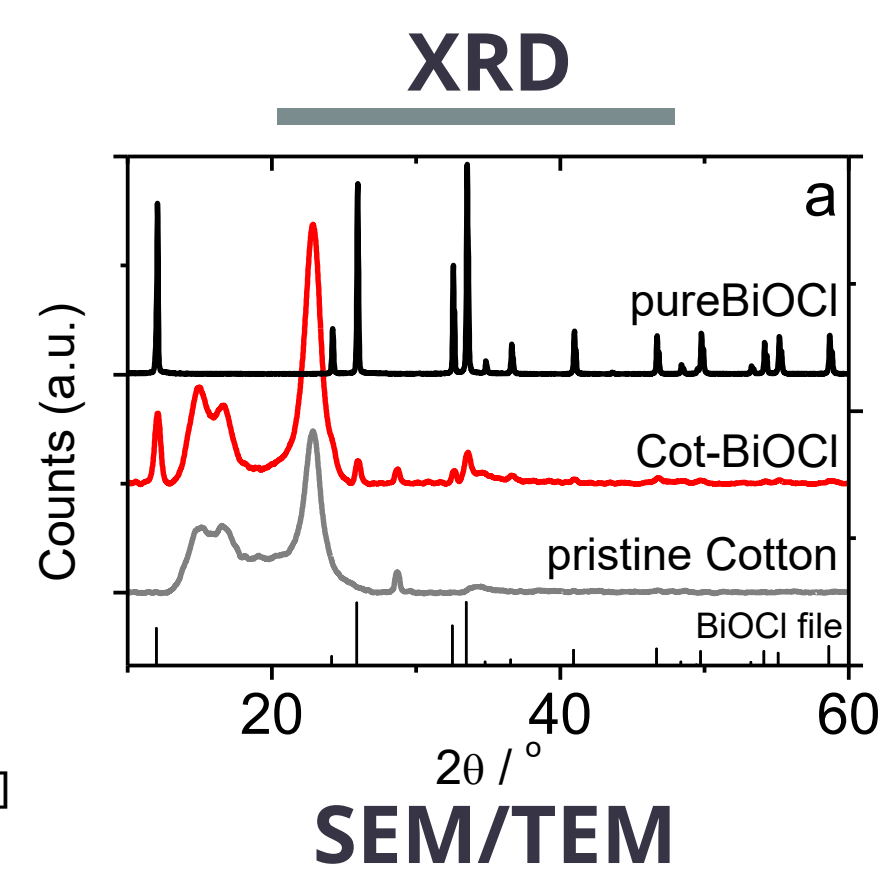
- The use of semiconducting nanomaterials as **photocatalysts** has impact on pollutants removal methodologies and therefore on the nowadays critical issue of environmental remediation.
- Those materials can be prepared in a wide range of shape and sizes, pristine or modified and as powders or **supported on substrates**.



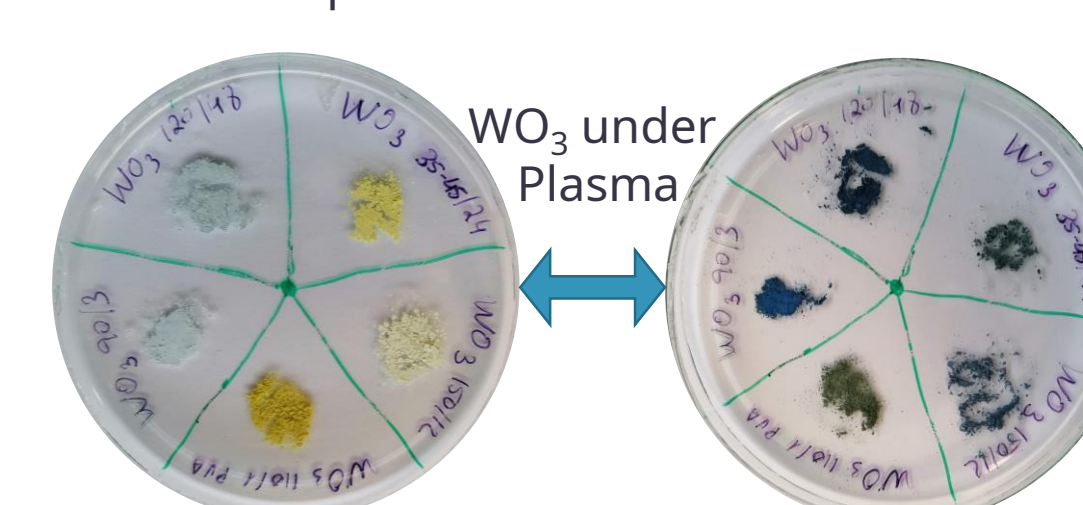
Photocatalytic degradation of organic pollutants



- Some semiconductor NPs display interesting **photochromic properties** enabling its use for sensing purposes.



Other examples:



Radiation sensing

