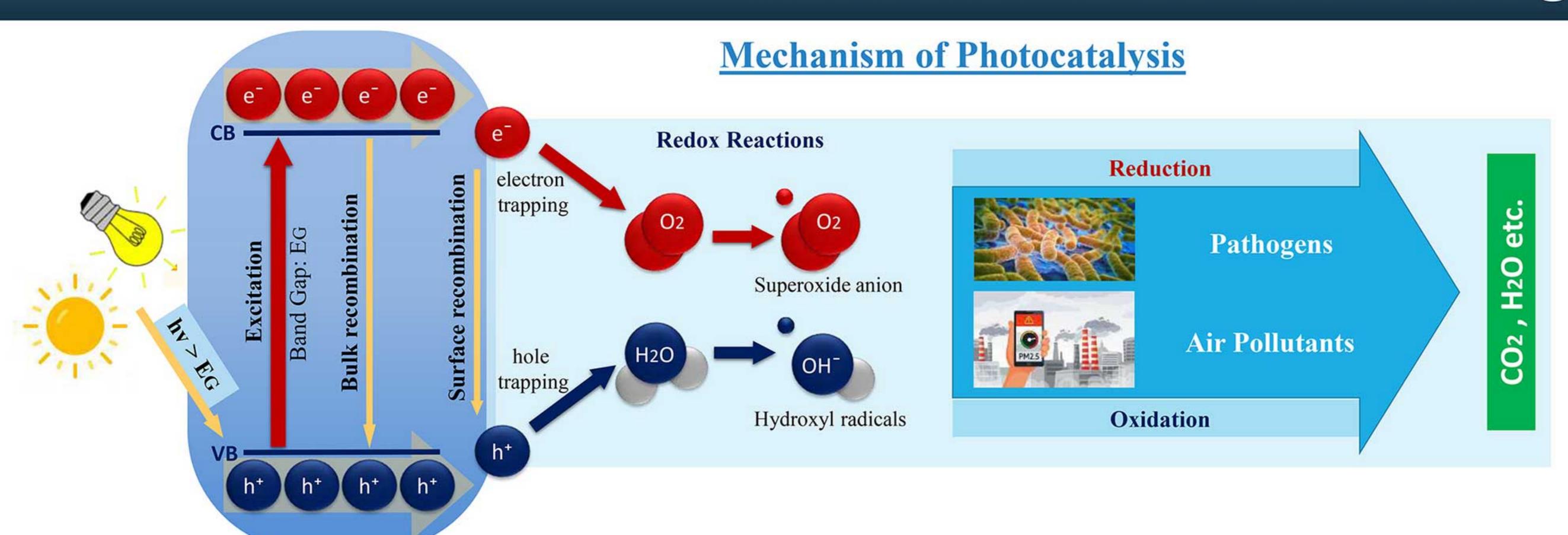
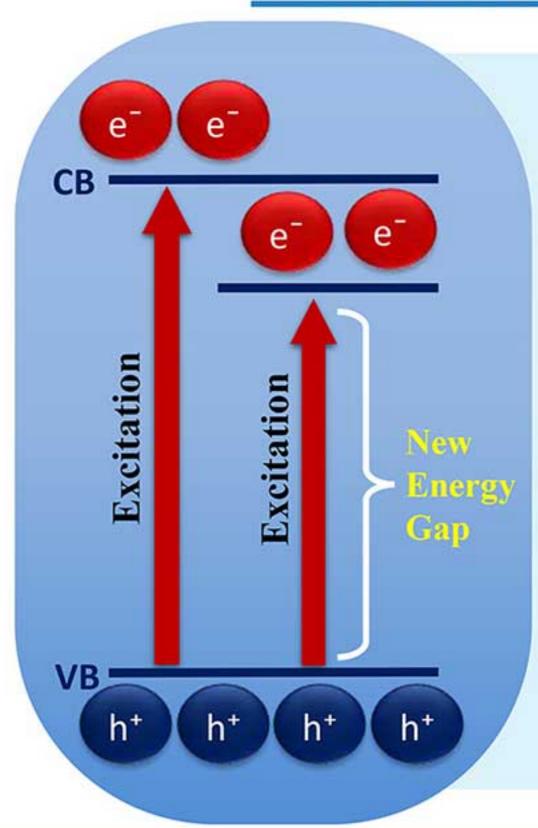
# Scientific basis of PCN technology



#### **PCN-Modified TiO2**



**Doping TiO2 introduces** additional energy levels, which lead to a decrease in the semiconductor's band gap.

Therefore, the photocatalytic mechanism can be activated with lower energy.

That is why PCN materials are activated by indoor artificial light and not only by higher-energy sunlight.

# Why are Photocatalytic Materials a necessity?















PCN-1

For outdoor applications



Products

**PCN-12** 

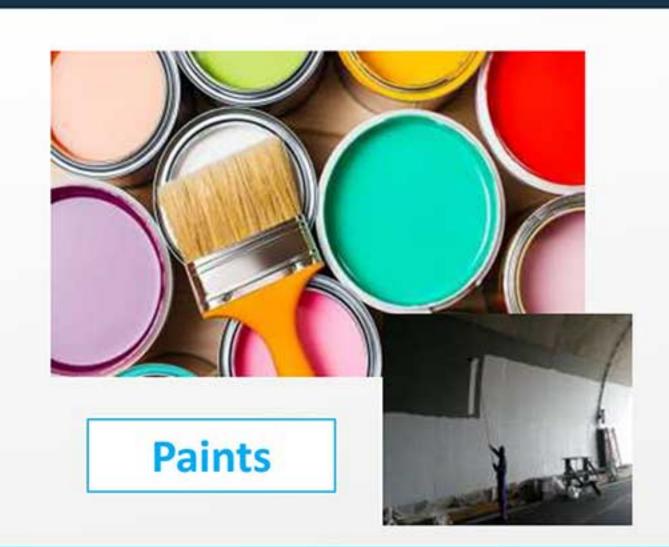
Powder

For indoor applications



For outdoor and indoor applications

### Available application fields



materials





