

# Research at the Zucker lab

## ד"ר אינס צוקר

ניווט מהיר: מחקר | השכלה | מינויים אקדמיים | פרסים ומלגות

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אתר המעבדה 🌐

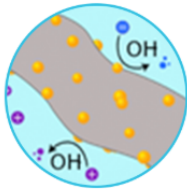
משרד: וולפסון הנדסה, 305 📍



# Research at the Zucker lab

Our three main research programs

## Environmental Nanotechnology



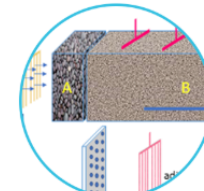
### Nanomaterials for water treatment

Development of advanced water-treatment technologies which leverage the reactive and tunable properties of nanomaterials for selectivity toward priority pollutants, cost-efficiency and sustainability



### Nanotoxicity

Using model phospholipid bilayer membranes, we fundamentally study interactions of living cells and emerging nanomaterials of different chemical composition, orientation, and morphology



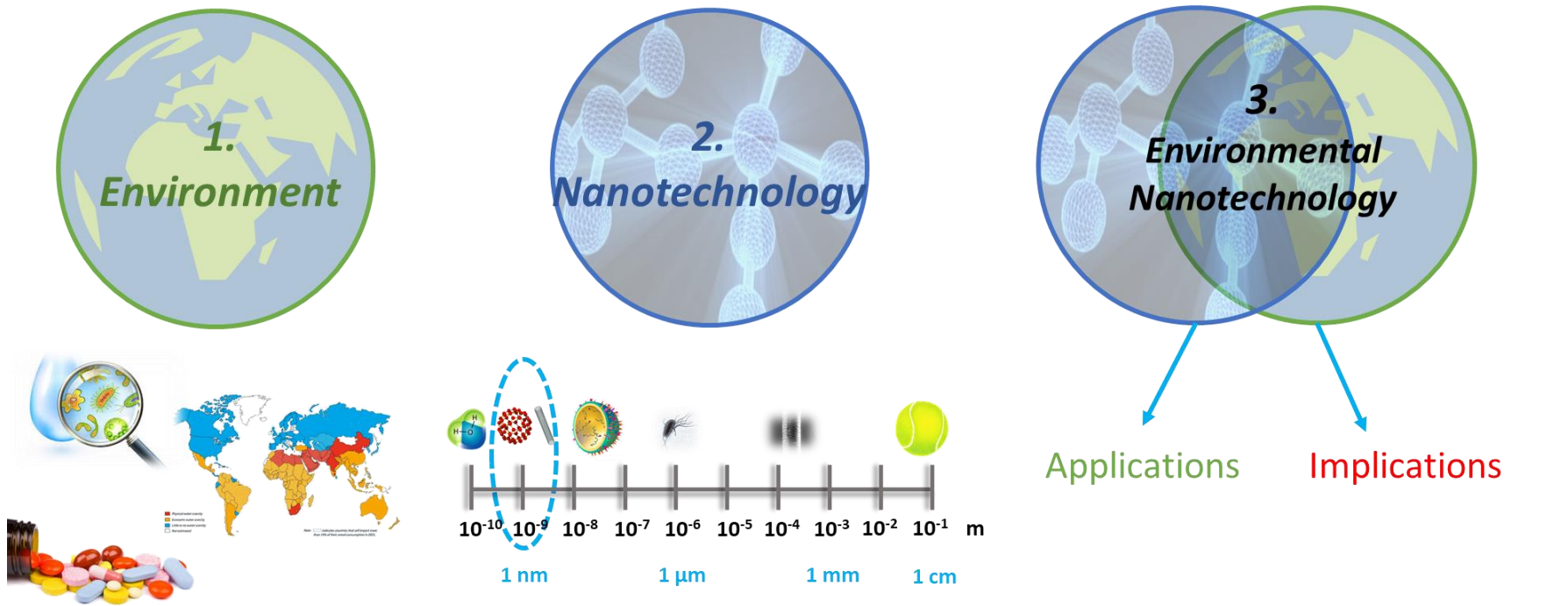
### Advanced Oxidation

Practical oxidation technologies for organic contaminant removal from wastewater and groundwater



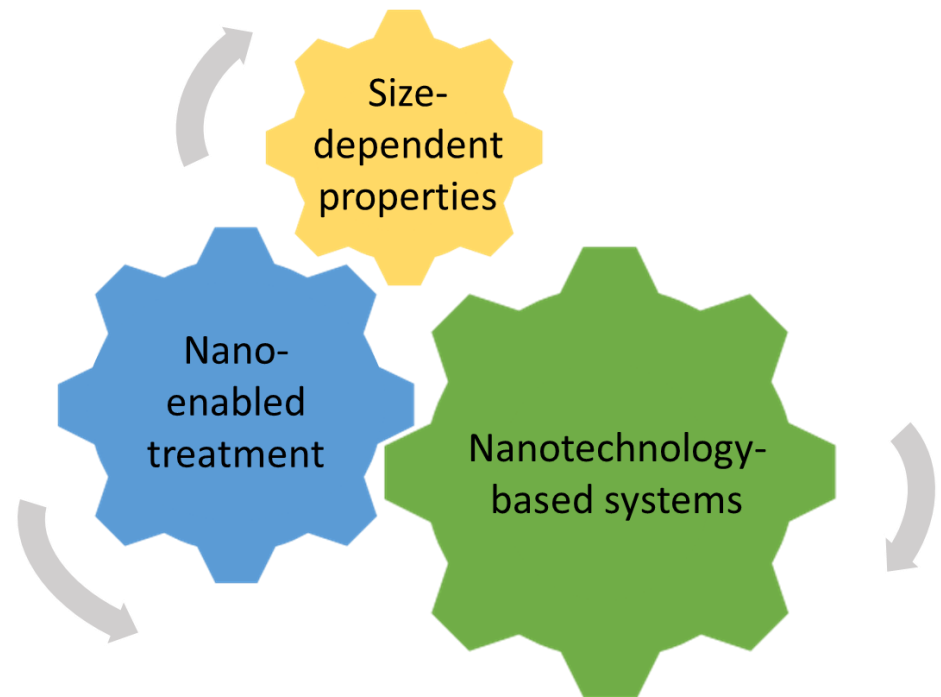
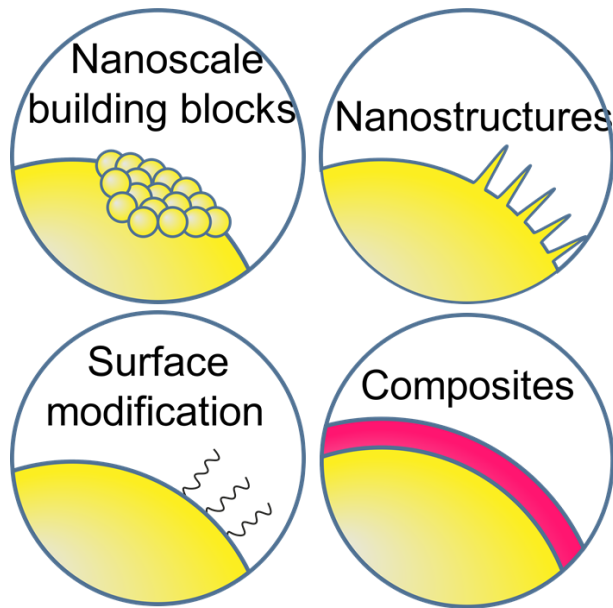
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What is Environmental Nanotechnology?



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- Addressing Water Challenges Through Nanotechnology



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- Environmental Costs of Using Nanotechnology

