

FOTOCATGRAF

An Advanced Technology
for a Safe and Sustainable Water Supply



FOTOCATGRAF – Graphene-based semiconductor photocatalysis for a safe and sustainable water supply: an advanced technology for emerging pollutants removal - UTAP-ICDT/CTM-NAN/0025/2014

Design and produce a new generation of high-performance graphene-based multicomponent solar photocatalysts for the removal of emerging pollutants – pharmaceuticals – from the wastewater treatment stations of Portugal centre region, monitored by Águas do Centro Litoral- Portugal - AdP - Águas de Portugal.

REQUIMTE/LAQV-UP

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- Luis Torgo
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AdCL

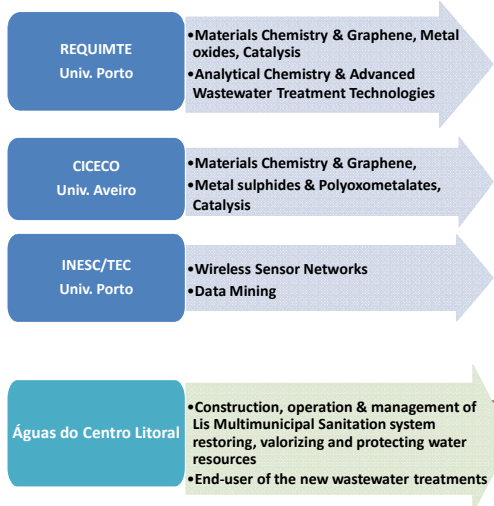
- Sandra Jorge
- Gabriel Silva

UT Austin

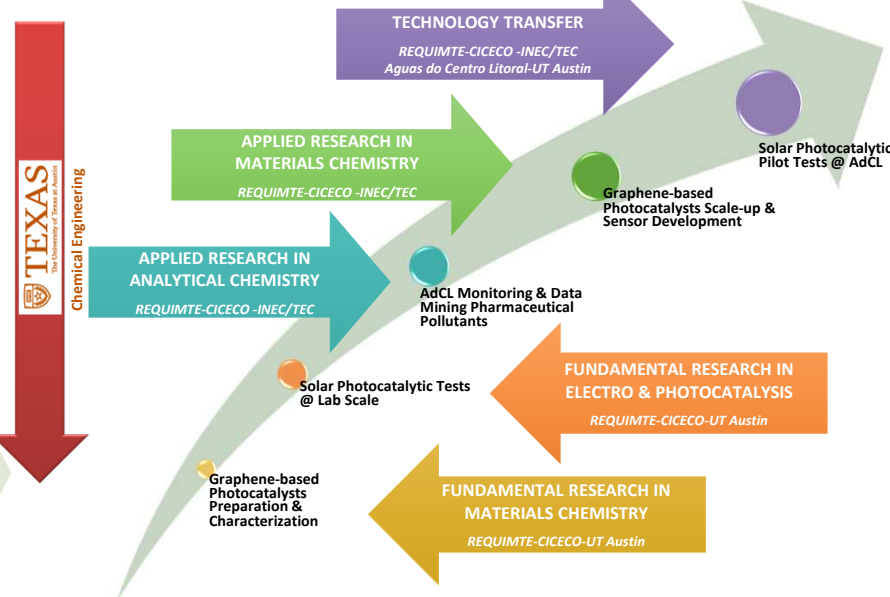
- Brian A. Korgel

TEAM

Consortium Portugal & UT Austin

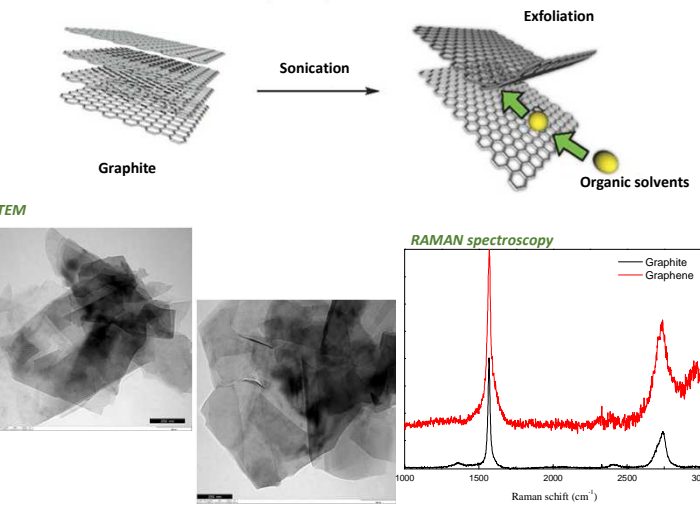


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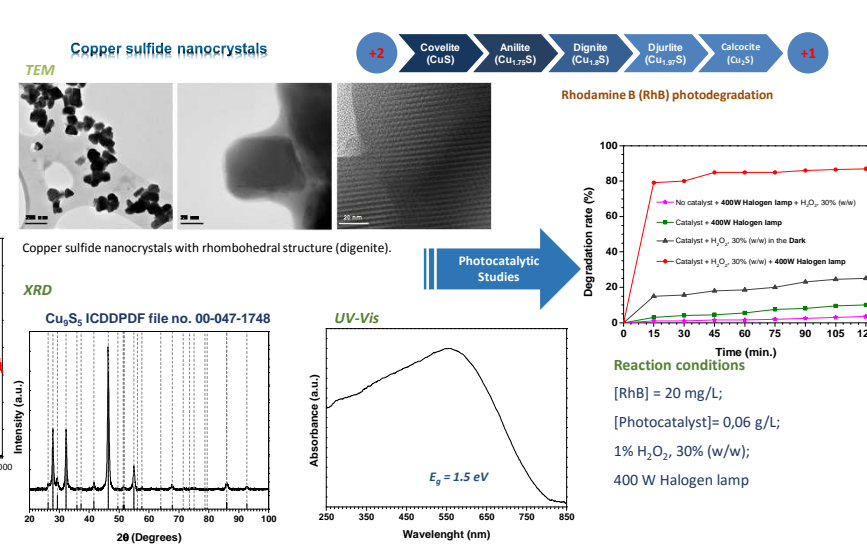


OUTCOMES

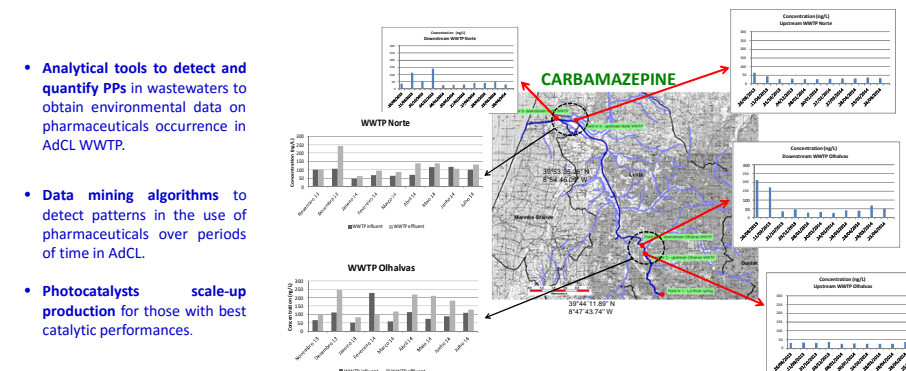
Graphene production



Synthesis of Copper Sulfide Semiconductor Nanoparticles



Impact of urban wastewaters to the load of pharmaceuticals into surface waters



Development of wireless electrochemical sensor prototype

