



MARIA CLARA COSTA

DEVELOPED A TECHNOLOGY THAT WON AN HONORABLE MENTION AT THE TECH2MARKET AWARDS PROMOTED BY THE UNIVERSITY OF THE ALGARVE. CONGRATS!

Prof. Maria Clara Costa is an Assistant Professor at the Department of Chemistry and Pharmacy of the Faculty of Sciences and Technology of the University of the Algarve and a Principal Investigator at CCMAR (Environmental Technologies Team of the ECOREACH group).

Tell us more about your technology.

The technology consists of a process for recovering gold, in the form of nanoparticles, using an effluent from a biological process for the treatment of acid mine waters.

What is the potential of this technology?

The potential lies precisely in using a treated effluent to obtain metallic gold nanoparticles, which makes it an environmentally and economically attractive process.

What opportunities does this award bring?

It is a contribution to the implementation of processes that allow us to reuse and take advantage of secondary sources of metals (which is relevant to the sustainability of the planet's resources). For my research work, it is certainly an incentive and I hope that it will lead to new projects which allow an industrial application of this technology