

RESEARCH

My research focuses on development and evaluation of a multi –branch sensor station to measure the concentration of carbon dioxide in water in the form of dissolved gas and also to measure various parameters such as pH, Redox potential, temperature, and concentrations of sulphide and calcium ions as an application in geothermal field.

EDUCATION

2011-2012 Research Associate, Department of Chemical Engineering in the University of Patra (Greece)

Research topic: Kinetics of the Crystal Growth in the Carbonate-Phosphate System

2010-2011 Research Assistant, Department of Environmental Chemistry in the University of Seville (Spain)

Research topic: Immobilization of chromium in geopolymers containing fly ash from coal and alumino-silicates.

2005-2011 Five years degree in Chemical Engineer specialized in Environmental Chemistry in the University of Seville (Spain).

2003-2005 High School in Seville

ADDITIONAL SKILLS

Technical: Geochemical modeling (PHREEQC, MINEQL)

Analytical and solid characterization instruments: atomic absorption spectrometer, UV spectrophotometer, XRD, SEM and BET.

Languages: Spanish (Native language), English, French and Italian (very advanced language skills).

Computer: Microsoft Office, Java, Visual Basics, HTML, PHP, Matlab, Origin.