Curriculum vitae: Santosh Narshima Prathap Moola

Research interests

My research focuses on determination of two phase geothermal fluids and investigation of scale formations In-situ and from active geothermal pipelines. Characterization techniques used for project are Scanning Electron Microscopy with X-ray microanalysis, X-ray diffraction technique, ICP-AES, ion- and gas-chromatography, Infrared Raman spectroscopy and Atomic absorption spectroscopy technique.

Education

2011-2012 Early stage researcher in the Chemistry, Department at University of Patras, Greece within the ΔMIN network .Research work focused on Kinetics of the Crystal Growth in the phosphate carbonate system.

2007-2010 Joint European Master Programme in Advanced Materials Science and Engineering at Luleå tekniska universitet, Lulea Sweden and Universitat Politècnica de Catalunya, Spain supported by Erasmus mundus double masters degree programme.Master Thesis on the Development and Evaluation of Titanium Content in Biodegradable glass of PLA-CaP for Bone Regeneration.

2006-2007, 2010-2011 M.Sc. student in Environmental Engineering at Luleå tekniska universitet, Lulea, Sweden.

2000-2005 Bachelor of Technology in Chemical Engineering at Osmania University, India.

Additional Skills

Technical: Material Characterization techniques such as Scanning Electron microscopy with X-ray microanalysis, X-ray diffraction technique, Differential Scanning Calorimetry, Differential Thermal Analysis, Induced coupled plasma atomic emission spectroscopy, Zeta Potential and Fluorescence Microscopy, Spectrophotometric Analysis, Atomic absorption spectroscopy technique and BET Analysis.

Geothermal modeling techniques like PHREEQC and Visual MINETQ

Languages: English (Fluent), Hindi, Telugu and Spanish.

Computer: Microsoft office, Origin.