

THE CONTRIBUTION OF THE INORGANIC CHEMISTRY TO CO₂ CAPTURE

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The increased concentrations of CO₂ into the Earth's atmosphere is no new information, as is no novelty the fact that a large part of this problem is caused by anthropomorphic activity. The result of that is a complete imbalance of the air, ocean, soil chemistry leading to unexpected climate variations, flooding and drought episodes, death of marine life, melting of glaciers, to name but a few.

Chemistry has a role in alleviating these conditions, especially when solids are concerned. In this talk, the use of aluminosilicates as platforms for CO₂-adsorbing species is going to be explored with special emphasis on surface modifications and evaluation of the resulting adsorbents.