

## Exploring the role of K as a promoter in the water-gas shift reaction and methanol synthesis

### Investigadores:

- Jose Javier Plata Ramos. [Universidad de Sevilla](http://www.us.es/) [1].

Idioma Sin definir

### Descripción:

Proyecto asignado a través de la [Red Española de Supercomputación](http://www.res.es/) [2].

The activity and selectivity of a heterogeneous catalyst can be substantially affected by the addition of a promoter. In this project, we aim to study the influence of K as a promoter for the WGS reaction and methanol synthesis in different Cu based catalyst. Our previous studies demonstrated that K plays an important role in water dissociation but it is unclear its influence in the whole catalytic cycle from a thermodynamic and kinetic points of view.

**URL del envío:** <http://www.cenits.es/proyectos/exploring-role-k-promoter-water-gas-shift-reaction-and-methanol-synthesis>

### Enlaces

[1] <https://www.us.es/>

[2] <https://www.res.es/>