

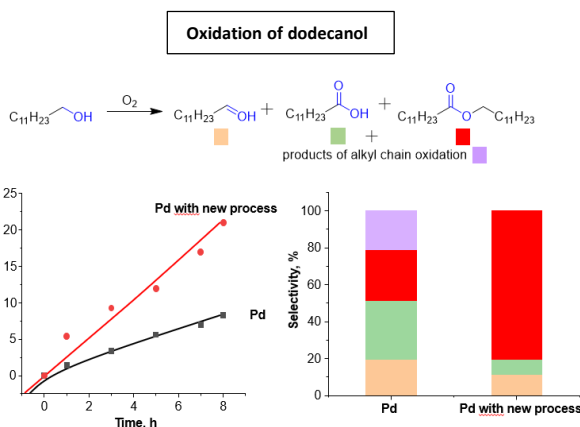
New technology for boosting heterogeneous catalytic reactions

Technology

Innovation

- New process for heterogeneous catalysis, involving a reacting medium that can boost the **Activity**, the **Selectivity** and the **Stability** of catalysts
- Experimental results with metal and zeolite catalysts
- Experimental results already obtained on different kind of organic reactions (oxidation, acylation, alkylation, dehydration, cracking...)

Example :



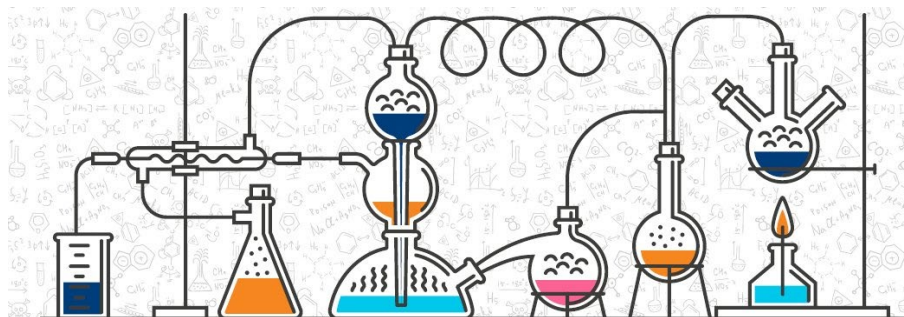
Strong increase of the activity and selectivity for wax esters

Benefits

- No organic solvent
- Possible process temperature below 200°C
- Possibility of using any kind of heterogeneous catalyst
- Easy separation of products from reacting medium

Applications

- To be tested on interesting organic reactions
- Potential improve of Selectivity and Yield of your organic reaction



Keywords

- Chemical process
- Heterogeneous catalysis



Intellectual Property

Patent application pending



Development Status

Public research

- Reaction parameters studies
- Yield, selectivity



Partnership

Co-investment
SATT NORD – industry
IP licence

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