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Title: Hydrodeoxygenation of triglycerides over reduced mesostructured Ni/ γ -alumina catalysts prepared via one-pot sol-gel route for green diesel production

Authors: Arsia Afshar Taromi, Serge Kaliaguine

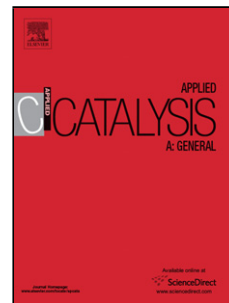
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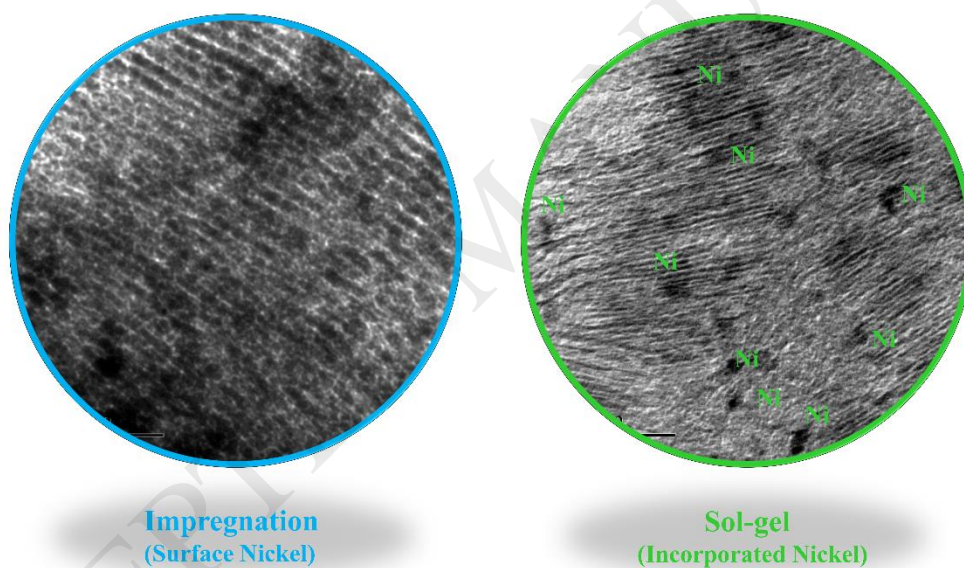
Arsia Afshar Taromi¹, Serge Kaliaguine*¹

¹ Chemical Engineering Department, Laval University, Quebec, Canada G1V 0A6

^{1*} Serge.Kaliaguine@gch.ulaval.ca

¹ Arsia.afshar-taromi.1@ulaval.ca

Graphical abstract



Highlights

- Non-sulfided mesoporous metal catalysts were used for green diesel production.
- Comparison of impregnated and sol-gel techniques for catalysts preparation.
- Sol-gel technique resulted in more stable catalytic properties than impregnation technique.

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