

Employment

Escuela Nacional de Ciencias Biológicas (ENCB)

Mexico

1 Mar 2018 → present

Research interests

Procesos catalíticos aplicados a la producción de hidrógeno, biodiésel, y diésel con ultrabajo contenido de azufre. Además, me he enfocado en el proceso de adsorción como etapa previa para la producción de diésel con bajo contenido de azufre

Research outputs

Effect of thermo-alkali treatment on the morphological and electrochemical properties of biopolymer electrolytes based on corn starch–Al(OH)₃

García Martínez, J. C., 3 Jun 2021, In: Polymer Bulletin. 6, 1, p. 1 20 p., 1.

Optimal conditions determination for hydrodeoxygenation of free fatty acids to obtain green diesel

Durán-Pérez, F. J., Zamora, G. E., Medina Mendoza, A. K., González-Brambila, M. M., Tapia, C., Colín-Luna, J. A. & García Martínez, J. C., Apr 2021, In: Canadian Journal of Chemical Engineering. 99, 4, p. 947-958 12 p.

Atrazine biodegradation in soil by *Aspergillus niger*

Herrera-Gallardo, B. E., Guzmán-Gil, R., Colín-Luna, J. A., García-Martínez, J. C., León-Santiesteban, H. H., González-Brambila, O. M. & González-Brambila, M. M., 2020, (Accepted/In press) In: Canadian Journal of Chemical Engineering.

The influence of Al₂O₃ content on Al₂O₃-ZrO₂ composite-textural structural and morphological studies

Chavez-Esquivel, G., Garcia-Martinez, J. C., De Los Reyes, J. A., Suárez-Toriello, V. A., Vera-Ramirez, M. A. & Huerta, L., 7 Aug 2019, In: Materials Research Express. 6, 10, 105201.

The influence of Al₂O₃ content on Al₂O₃-ZrO₂ composite-textural structural and morphological studies

Chavez-Esquivel, G., Garcia-Martinez, J. C., De Los Reyes, J. A., Suárez-Toriello, V. A., Vera-Ramirez, M. A. & Huerta, L., 7 Aug 2019, In: Materials Research Express. 6, 10, 105201.

A Kinetic Model of Photocatalytic Hydrogen Production Employing a Hole Scavenger

Durán-Pérez, J. F., García-Martínez, J. C., Medina-Mendoza, A. K., Puebla-Núñez, H., González-Brambila, M. M. & Colín-Luna, J. A., 1 Apr 2019, In: Chemical Engineering and Technology. p. 874-881 785 p.

Simultaneous adsorption of quinoline and dibenzothiophene over Ni-based mesoporous materials at different Si/Al ratio

Alvarado-Perea, L., Colín-Luna, J. A., López-Gaona, A., Wolff, T., Pacheco-Sosa, J. G. & García-Martínez, J. C., 1 Jan 2019, In: Catalysis Today. 353, p. 63-72 10 p.

Zn supported on Zr modified mesoporous SBA-15 as sorbents of pollutant precursors contained in fossil fuels: Si/Zr ratio effect

Colín-Luna, J. A., Zamora-Rodea, G. E., Medina-Mendoza, A. K., Alvarado-Perea, L., Angeles-Chávez, C., Escobar, J., Pacheco-Sosa, J. G. & García Martínez, J. C., 1 Jan 2019, (Accepted/In press) In: Catalysis Today. 353, p. 63-72 10 p.

Zn supported on Zr modified mesoporous SBA-15 as sorbents of pollutant precursors contained in fossil fuels: Si/Zr ratio effect

Colín-Luna, J. A., Zamora-Rodea, G. E., Medina-Mendoza, A. K., Alvarado-Perea, L., Angeles-Chávez, C., Escobar, J., Pacheco-Sosa, J. G. & García Martínez, J. C., 1 Jan 2019, In: Catalysis Today. 353, p. 63-72 10 p.

Effect of Ni on MCM-41 in the Adsorption of Nitrogen and Sulfur Compounds to Obtain Ultra-Low-Sulfur Diesel

García-Martínez, J. C., González-Urbe, H. A., González-Brambila, M. M., del Río, N. G. F., López-Gaona, A., Alvarado-Perea, L. & Colín-Luna, J. A., 1 Oct 2018, In: Topics in Catalysis. p. 1721-1733 1547 p.

Biodiesel production using immobilized lipase supported on a zirconium-pillared clay. Effect of the immobilization method
Colín-Luna, J. A., Zamora-Rodea, E. G., González-Brambila, M. M., Barrera-Calva, E., Rosas-Cedillo, R., Medina-Mendoza, A. K. & García-Martínez, J. C., 17 Jul 2018, In: International Journal of Chemical Reactor Engineering.

Nitrogen Adsorption Compounds in the Presence of Dibenzothiophene on Mesoporous Materials for Obtaining Ultra-Low-Sulfur Diesel

García-Martínez, J. C., Medina, C. R. T., González-Brambila, M. M., Medina-Mendoza, A. K. & Colín-Luna, J. A., 19 Jun 2018, In: International Journal of Chemical Reactor Engineering.

Selective adsorption of nitrogen compounds using silica-based mesoporous materials as a pretreatment for deep hydrodesulfurization

García-Martínez, J. C., González Uribe, H. A., González-Brambila, M. M., Colín-Luna, J. A., Escobedo-García, Y. E., López-Gaona, A. & Alvarado-Perea, L., 1 May 2018, In: Catalysis Today. p. 40-48 35 p.

Hydrodesulfurization of dibenzothiophene in a micro trickle bed catalytic reactor under operating conditions from reactive distillation

García-Martínez, J. C., Dutta, A., Chávez, G., De Los Reyes, J. A. & Castillo-Araiza, C. O., 1 Jun 2016, In: International Journal of Chemical Reactor Engineering. p. 769-783 690 p.

Role of Pt-Pd/ γ -Al₂O₃ on the HDS of 4,6-DMBT: Kinetic modeling & contribution analysis

Castillo-Araiza, C. O., Chávez, G., Dutta, A., De Los Reyes, J. A., Nuñez, S. & García-Martínez, J. C., 1 Jan 2015, In: Fuel Processing Technology. p. 164-172 146 p.

Kinetics of HDS and of the inhibitory effect of quinoline on HDS of 4,6-DMDBT over a Ni-Mo-P/Al₂O₃ catalyst: Part I

García-Martínez, J. C., Castillo-Araiza, C. O., De los Reyes Heredia, J. A., Trejo, E. & Montesinos, A., 1 Nov 2012, In: Chemical Engineering Journal. p. 53-62 46 p.

Julio César García Martínez

Escuela Nacional de Ciencias Biológicas (ENCB)

Postal address:

Mexico

Email: jcgarciam@ipn.mx



Dr. Julio César García Martínez