

MARTHA E. JIMENEZ-CASTANEDA

Postdoctoral Researcher
Earth, Atmospheric & Planetary Sciences
Purdue University
mejimene@purdue.edu

a. Professional Preparation

Tecnológico de Oaxaca	Chemical Engineering	B.ChE.	2006
Instituto Politécnico Nacional	Environ. Geophysics	M.Sc.	2009
The University of Manchester	Environ. Geochemistry	Ph.D.	2014

b. Appointments

- 2019 – Postdoctoral Researcher, Earth, Atmospheric & Planetary Sciences, Purdue University.
2018 – Lecturer, Sustainability, Instituto Politécnico Nacional.
2017 – Assistant Researcher, Electrical Engineering, Centre for Research and Advanced Studies of the National Polytechnic Institute.
2016 – Postdoctoral Researcher, Chemical Engineering, Tecnológico de Monterrey.
2011 – 2013 Teacher Assistant and Demonstrator, School of Earth & Environmental Sciences, The University of Manchester

c. Products

1. Jiménez-Castañeda, M.E.; Medina, D.I. (2017) Use of Surfactant-Modified Zeolites and Clays for the Removal of Heavy Metals from Water. *Water*, 9, 235.
2. Jiménez-Castañeda, M. E., C. Boothman, J. R. Lloyd, D. J. Vaughan and B. E. van Dongen. (2016) Do mature hydrocarbons have an influence on acid rock drainage generation? *Applied Geochemistry* (67), 93-100.
3. Belmonte-Jiménez, S. I., Jiménez-Castañeda, M. E., Pérez-Flores, M. A., Campos-Enríquez, J. O., Reyes-López, J. A., & Salazar-Peña, L. (2012) Characterization of a leachate contaminated site integrating geophysical and hydrogeological information. *Geofísica Internacional*, 51(4), 309-321.

d. Synergistic Activities

1. Co-founder of the Student Committee of the Latin American Postgraduate Programme of the University of Manchester, 2014.
2. Committee Member and Co-organiser of the School of Earth & Environmental Sciences Postgraduate Research Conference, 2013.
3. General Secretary and Co-organiser of the IV National Research Congress of the Instituto Politécnico Nacional, 2008.