



PhD. Diola Marina Núñez Ramírez

Academic researcher

Phone: office: 52 (618) 130112 y mobile: 52 (618) 1385093

Email: diolamarina@ujed.mx

Education:

- Chemical Engineer, Technological Institute of Durango
- Master of Science in Biochemical Engineering , Technological Institute of Durango
- Doctorate of Science in Biochemical Engineering , Technological Institute of Durango

Professional Experience:

- Project Manager Metallurgical Research, mining company First Majestic Silver Corp. Central Laboratory / December 2012 - February 2015.

Research Lines:

- Biotechnology minerals (precious metal recovery)
- Environmental Biotechnology (bioremediation water and soil)
- Hydrodynamic study of systems of mixed (stirred tank fermentations)
- Production of biofertilizers
- Rheological characterization of microbial systems

Selected Publications:

- ***“Zinc bioleaching from an iron concentrate using Acidithiobacillus ferrooxidans strain from Hercules mine, Coahuila Mexico”*** ISSN: 1674-4799”. Núñez-Ramírez, D. M., Solis-Soto, A., López-Miranda, J., Pereyra-Alfárez, B., Medina-Torres, L and Medrano-Roldán H. *International Journal of Minerals, Metallurgy and Materials*. 18, 523-526, 2011.
- ***“Rheological properties in a fermentation broth of the fungus Beauveria bassiana to different hydrodynamic conditions in a bioreactor*** ISSN: 1017-7825” Nuñez Ramirez Diola Marina, Solis Soto Aquiles, Valencia López Javier, Calderas Garcia Fausto, López Miranda Javier, Medrano Roldán Hiram, Medina Torres Luis. *Journal of Microbiology and Biotechnology*, (2012), **22** (11), 1494-1500.
- ***“Mixing analysis for a fermentation broth of the fungus Beauveria bassiana in different hydrodynamic conditions in a bioreactor*** ISSN: 1521-4125”. Núñez Ramírez D.M., Valencia López J.J., Calderas F. Solís Soto A., López Miranda J., Medrano Roldán H., Medina Torres L. *Chemical Engineering & Technology*, (2012) **35**, No. 11, 1954-1961.
- ***Mineral Biotechnology. Book chapter. First edition, DEGEST October, 2013, ISBN: 978-607-7912-29-3. “Hydrodynamic characterization for a bioleaching process”.*** Núñez Ramírez D.M., Medrano Roldán H., Valencia López J.J., Solís Soto A., López Miranda J., Medina Torres L. pg 213-218.
- ***“Rheological properties of the entomoparasitic nematodes (Heterorhabditis bacteriophora) liquid culture using a helicoidal ribbon agitator as rheometric system”.*** Diola-Marina Núñez-Ramírez, Luis Medina-Torres, Fausto Calderas, Guadalupe Sánchez-Olivares. *J Bioprocess Biotech* 2015, 5:2. <http://dx.doi.org/10.4172/2155-9821.1000207> ACCEPTED



Thesis Directed:

Graduates

- Master: "Bioleaching iron concentrate to remove zinc and potassium using a packed column. Student: Alcazar Felix Medina; Durango Institute of Technology, obtaining degree July 8, 2009.
- Thesis: "Study of First Stirred Tank Leach Dosage Oxygen and / or air to Silver Recovery Level Laboratory" Student: Rosa Maria Bermudez Mendoza, Durango Institute of Technology, Biochemical Engineering. December 2013.
- Thesis: Professional Student Residence "Study of bioleaching for the recovery of Ag in minerals with a high content of Mn in stirred tank. "Mayra Bermudez Corral, Durango Institute of Technology, Chemical Engineering. December 1, 2014.

In Process

- Thesis: " Analysis by leaching circuit simulation with Promodel Software, in order to optimize the recovery of silver at La Parrilla Unit, Student: Juan Carlos Ontiveros Neri; Technological Institute of Zacatecas - West, Start. Date January 2014.
- Thesis: Residence Professional "Bioleaching for the release of Mn and Ag recovery" Student: Marcela Requena Fournier, Durango Institute of Technology, Biochemical Engineering. Date February 2015.