



## **OLIVIA CRUZ RONQUILLO**

### **Datos Generales**

**Nombre:** OLIVIA CRUZ RONQUILLO

**Máximo nivel de estudios:** LICENCIATURA

**Antigüedad académica en la UNAM:** 30 años

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### **Nombramientos**

**Vigente:** TECNICO ACADEMICO TITULAR A TC Definitivo  
Instituto de Geofísica  
Desde 01-01-2008 (fecha inicial de registros en el SIIA)

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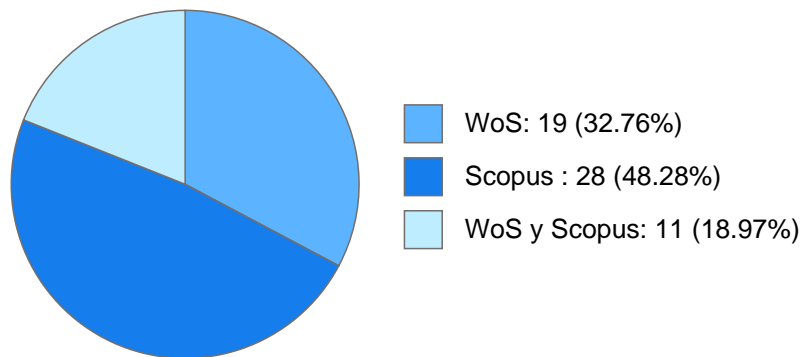
### **Estímulos, programas, premios y reconocimientos**

PRIDE D 2023 - 2024  
PRIDE C - 2023

## OLIVIA CRUZ RONQUILLO

### DOCUMENTOS EN REVISTAS

#### Histórico de Documentos



#	Título	Autores	Revista	Año
1	An identification of arsenic retention mechanisms in column filtration systems packed with limestone	ANTONIO SALVADOR SOSA ISLAS MARIA AURORA ARMIENTA HERNANDEZ RENE LOREDO PORTALES et al.	APPLIED GEOCHEMISTRY	2023
2	Edaphic properties as pieces of evidence of tailings deposit on soils	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO ALEJANDRA AGUAYO RIOS et al.	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2023
3	Evaluation of the interactions of arsenic (As), boron (B), and lead (Pb) from geothermal production wells with agricultural soils	MARIA AURORA ARMIENTA HERNANDEZ ALEJANDRA AGUAYO RIOS OLIVIA CRUZ RONQUILLO et al.	ECOTOXICOLOG Y AND ENVIRONMENTAL SAFETY	2021
4	Cistorrhaphy dehiscence in patients with uterine arteries embolization due to placental accretion: report of two cases.	VIRIDIANA GORBEA CHAVEZ OLIVIA CRUZ RONQUILLO Espinosa-García C.M. et al.	Ginecología Y Obstetricia De México	2020
5	Evaluation of the influence of main groundwater ions on arsenic removal by limestones through column experiments	MARIA AURORA ARMIENTA HERNANDEZ ALEJANDRA AGUAYO RIOS OLIVIA CRUZ RONQUILLO et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2020
6	Evaluation of Fe, Zn, Pb, Cd and As mobility from tailings by sequential extraction and experiments under imposed physico-chemical conditions	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO ALEJANDRA AGUAYO RIOS et al.	GEOCHEMISTRY -EXPLORATION ENVIRONMENT ANALYSIS	2019

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7	Groundwater quality and geothermal energy. The case of Cerro Prieto Geothermal Field, México	MARIA AURORA ARMIENTA HERNANDEZ JOSE ROGELIO RODRIGUEZ TALAVERA NORA ELIA CENICEROS BOMBELA et al.	RENEWABLE ENERGY	2014
8	Hydrogeochemical surveillance at El Chichon volcano crater lake, Chiapas, Mexico	MARIA AURORA ARMIENTA HERNANDEZ SERVANDO DE LA CRUZ REYNA NORA ELIA CENICEROS BOMBELA et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2014
9	Treatment of mining acidic leachates with indigenous limestone, Zimapan Mexico	I. Labastida MARIA AURORA ARMIENTA HERNANDEZ ALEJANDRA AGUAYO RIOS et al.	JOURNAL OF HAZARDOUS MATERIALS	2013
10	Geochemical processes and mobilization of toxic metals and metalloids in an As-rich base metal waste pile in Zimapan, Central Mexico	MARIA AURORA ARMIENTA HERNANDEZ MARIA GUADALUPE VILLASEÑOR CABRAL OLIVIA CRUZ RONQUILLO et al.	APPLIED GEOCHEMISTRY	2012
11	Fluoride in ash leachates: environmental implications at Popocatepetl volcano, central Mexico	MARIA AURORA ARMIENTA HERNANDEZ SERVANDO DE LA CRUZ REYNA OLIVIA CRUZ RONQUILLO et al.	NATURAL HAZARDS AND EARTH SYSTEM SCIENCES	2011
12	Chemistry of ash-leachates to monitor volcanic activity: An application to Popocatepetl volcano, central Mexico	MARIA AURORA ARMIENTA HERNANDEZ SERVANDO DE LA CRUZ REYNA ANA MARIA SOLER ARECHALDE et al.	APPLIED GEOCHEMISTRY	2010
13	Evaluation of the potential release of toxic metals and metalloids from tailings at an historical mining site of Mexico	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO NORA ELIA CENICEROS BOMBELA et al.	Water-Rock Interaction - Proceedings Of The 13th International Conference On Water-Rock Interaction, Wri-13	2010
14	Geochemical distribution of arsenic, cadmium, lead and zinc in river sediments affected by tailings in Zimapan, a historical polymetallic mining zone of Mexico	Erik Espinosa MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO et al.	ENVIRON GEOL	2009
15	Hydrogeochemical indicators of the Popocatepetl volcano activity	MARIA AURORA ARMIENTA HERNANDEZ SERVANDO DE LA CRUZ REYNA NORA ELIA CENICEROS BOMBELA et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2008

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16	Arsenic distribution in mesquite ( <i>Prosopis laevigata</i> ) and huizache ( <i>Acacia farnesiana</i> ) in the Zimapan mining area, Mexico	MARIA AURORA ARMIENTA HERNANDEZ JOSE ROGELIO RODRIGUEZ TALAVERA OLIVIA CRUZ RONQUILLO et al.	GEOCHEMISTRY -EXPLORATION ENVIRONMENT ANALYSIS	2008
17	Water chemistry of lakes related to active and inactive Mexican volcanoes	MARIA AURORA ARMIENTA HERNANDEZ GLORIA VILA CLARA FATJO SERVANDO DE LA CRUZ REYNA et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2008
18	Origin and fate of arsenic in a historic mining area of Mexico	MARIA AURORA ARMIENTA HERNANDEZ FRANCISCO MORALES LEAL ALEJANDRA AGUAYO RIOS et al.	Trace Metals and other Contaminants in the Environment	2007
19	Assessing water-sediment processes for metals in rivers polluted by mining to predict environmental impacts in developing countries	MARIA AURORA ARMIENTA HERNANDEZ FLOR ELISA DEL ROSARIO ARCEGA CABRERA NORA ELIA CENICEROS BOMBELA et al.	IAHS Publication	2007
20	Environmental behaviour of metals from tailings in shallow rivers: Taxco, central Mexico	MARIA AURORA ARMIENTA HERNANDEZ MARIA GUADALUPE VILLASEÑOR CABRAL OLIVIA CRUZ RONQUILLO et al.	T I MIN METALL B	2004
21	Chemical variations of tephra-fall deposit leachates for three eruptions from Popocatepetl volcano	MARIA AURORA ARMIENTA HERNANDEZ SERVANDO DE LA CRUZ REYNA OFELIA MORTON BERMEA et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2002
22	Sources, distribution and fate of arsenic along the Tolimán River, Zimapán, Mexico	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO García A.	IAHS Publication	2001
23	Chromium in a tannery wastewater irrigated area, León Valley, Mexico	MARIA AURORA ARMIENTA HERNANDEZ OFELIA MORTON BERMEA RAMIRO RODRIGUEZ CASTILLO et al.	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2001
24	Health risk and sources of arsenic in the potable water of a mining area	OFELIA MORTON BERMEA OLIVIA CRUZ RONQUILLO ALEJANDRA AGUAYO RIOS et al.	IAHS Publication	1999
25	Geochemistry of ash leachates during the 1994-1996 activity of Popocatepetl volcano	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO NORA ELIA CENICEROS BOMBELA et al.	APPLIED GEOCHEMISTRY	1998



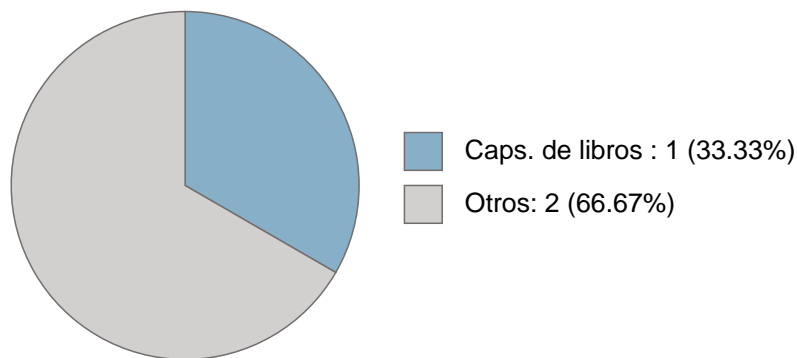
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26	Arsenic content in hair of people exposed to natural arsenic polluted groundwater at Zimapan, Mexico	MARIA AURORA ARMIENTA HERNANDEZ RAMIRO RODRIGUEZ CASTILLO OLIVIA CRUZ RONQUILLO	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	1997
27	Arsenic contamination of groundwater at Zimapan, Mexico	ALEJANDRA AGUAYO RIOS OLIVIA CRUZ RONQUILLO Armienta M.A. et al.	HYDROGEOLOGY JOURNAL	1997
28	Distribution, origin and fate of chromium in soils in Guanajuato, Mexico	MARIA AURORA ARMIENTA HERNANDEZ NORA ELIA CENICEROS BOMBELA OLIVIA CRUZ RONQUILLO et al.	ENVIRONMENTAL POLLUTION	1996

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**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**

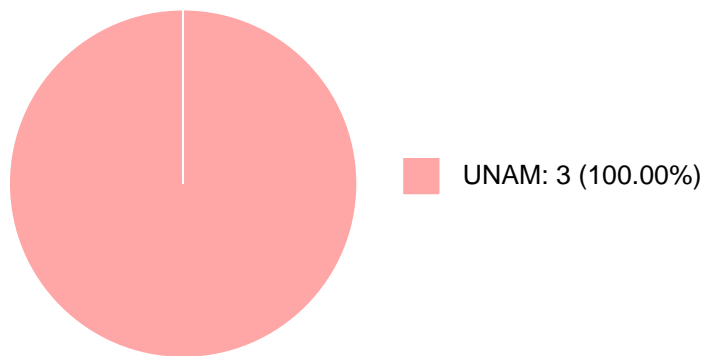


#	Título	Autores	Alcance	Año	ISBN
1	Removal of arsenic from acid mine drainage by indigenous limestones	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO ALEJANDRA AGUAYO RIOS et al.	Conferenc e Paper	2016	9781138029415
2	Evaluation of the potential release of toxic metals and metalloids from tailings at an historical mining site of Mexico	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO NORA ELIA CENICEROS BOMBELA et al.	Capítulo de un Libro	2010	9781439862995
3	Environmental behavior of arsenic in a mining zone: Zimapán, Mexico	MARIA AURORA ARMIENTA HERNANDEZ RAMIRO RODRIGUEZ CASTILLO OLIVIA CRUZ RONQUILLO et al.	Conferenc e Paper	2005	041536700X

**OLIVIA CRUZ RONQUILLO**

**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Metales y flúor en aguas subterráneas y superficiales.	OLIVIA CRUZ RONQUILLO	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2021
2	Determinaciones analíticas en estudios ambientales y volcánicos.	OLIVIA CRUZ RONQUILLO	Presupuesto de la UNAM asignado a la Dependencia	01-01-2022	31-12-2022
3	Metales y flúor en aguas subterráneas y superficiales.	OLIVIA CRUZ RONQUILLO	Presupuesto de la UNAM asignado a la Dependencia	01-01-2023	31-12-2023



**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**OLIVIA CRUZ RONQUILLO**

**PARTICIPACIÓN EN TESIS**

**No se encuentran registros en la base de datos de TESIUNAM asociados a:**

**OLIVIA CRUZ RONQUILLO**





**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**OLIVIA CRUZ RONQUILLO**

**DOCENCIA IMPARTIDA**

**No se encuentran registros en la base de datos de DGAE asociados a:**

**OLIVIA CRUZ RONQUILLO**



**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**OLIVIA CRUZ RONQUILLO**

**PATENTES**

**No se encuentran registros en la base de datos de patentes asociados a:**

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**FUENTES DE INFORMACIÓN**

**Internos**

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

**Externos**

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024