



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
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Reporte individual



MARIA AURORA ARMIENTA HERNANDEZ

Datos Generales

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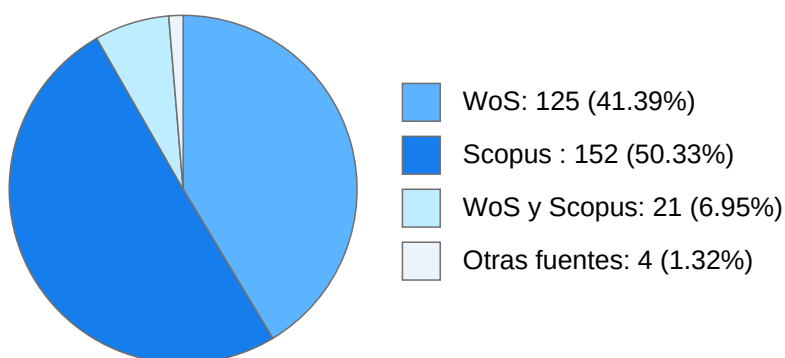
Estímulos, programas, premios y reconocimientos

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MARIA AURORA ARMIENTA HERNANDEZ

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Metal(loid) bioaccessibility and risk assessment of ashfall deposit from Popocatepetl volcano, Mexico	OFELIA MORTON BERMEA MARIA AURORA ARMIENTA HERNANDEZ Schiavo B. et al.	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2024
2	Hydrogeochemical and isotopic assessment of the origin of NO ₃ ⁻ and N ₂ /NH ₃ contents in the aquifer located in a closed lacustrine volcano-sedimentary basin in the metropolitan area of Mexico City	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ Ortega-Gutiérrez J.E. et al.	Acta Geochimica	2024
3	Effect of CO ₂ and H ₂ SO ₄ on the dissolution of a carbonate basement and alteration of silicates in a volcano-sedimentary system in central Mexico	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ ITZAMNA ZAKNITE FLORES OCAMPO et al.	Groundwater for Sustainable Development	2024
4	Biorestitution strategies of a highly weathered mine tailings, Zimapán, México	MARIA AURORA ARMIENTA HERNANDEZ Labastida I. Malagón C. et al.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2024

MARIA AURORA ARMIENTA HERNANDEZ

5	Bioremediation Using Fruit Waste to Remove Lead From Water	MARIA DE JESUS GONZALEZ GUADARRAMA MARIA AURORA ARMIENTA HERNANDEZ	REMEDATION-T HE JOURNAL OF ENVIRONMENTA L CLEANUP COSTS TECHNOLOGIES & TECHNIQUES	2024
6	Geochemical and Hydrogeochemical Processes Determining Arsenic Presence in Rocks and Groundwater in the Southeastern Portion of El Bajío Guanajuatense, Guanajuato, Mexico	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ FATIMA JUAREZ APARICIO et al.	JOURNAL OF EARTH SCIENCE	2024
7	Fluoride presence in drinking water along the southeastern part of El Bajío Guanajuatense, Guanajuato, Mexico: sources and health effects	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ Lugo-Dorantes A.E. et al.	ENVIRONMENTA L GEOCHEMISTRY AND HEALTH	2023
8	Characterization and Polydispersity of Volcanic Ash Nanoparticles in Synthetic Lung Fluid	OFELIA MORTON BERMEA DIANA MARIA MEZA FIGUEROA MARIA AURORA ARMIENTA HERNANDEZ et al.	Toxics	2023
9	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
10	Edaphic properties as pieces of evidence of tailings deposit on soils	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO ALEJANDRA AGUAYO RIOS et al.	ENVIRONMENTA L GEOCHEMISTRY AND HEALTH	2023
11	Geochemical modeling unravels the water chemical changes along the largest Mexican river	SELENE OLEA OLEA JAVIER ALCOCER DURAND MARIA AURORA ARMIENTA HERNANDEZ et al.	APPLIED GEOCHEMISTRY	2022
12	COMPLEJACION DE METALES POR SUSTANCIAS HUMICAS ACUATICAS COMO PROCESO NATURAL, TOMANDO COMO CASO DE ESTUDIO EL LAGO DE XOCHIMILCO, CIUDAD DE MEXICO, MEXICO.	MARIA DE JESUS GONZALEZ GUADARRAMA SILVIA ELENA CASTILLO BLUM MARIA AURORA ARMIENTA HERNANDEZ	GEOFISICA INTERNACIONAL	2022
13	Morphological characteristics and accumulation of arsenic in Argyrochosma formosa (Liebm.) Windham developed in a highly contaminated site with arsenic in Matehuala, SLP, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Esther Aurora Ruiz-Huerta Juan Miguel Gomez-Bernal et al.	ENVIRONMENTA L SCIENCE AND POLLUTION RESEARCH	2022

MARIA AURORA ARMIENTA HERNANDEZ

14	Hydrogeochemical behavior of Ba, B, Rb, and Sr in an urban aquifer located in central Mexico and its environmental implications	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ OFELIA MORTON BERMEA et al.	JOURNAL OF SOUTH AMERICAN EARTH SCIENCES	2022
15	Use of d18O, d 13C and NO3-to identify hydrogeochemical processes related to contamination in an aquifer located in central Mexico	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ FATIMA JUAREZ APARICIO et al.	Acta Geochimica	2022
16	Interlaboratory test for chemical analysis of geothermal fluids: A new approach to determine deep geothermal reservoir fluid composition with uncertainty propagation	RUTH ESTHER VILLANUEVA ESTRADA MARIA AURORA ARMIENTA HERNANDEZ Verma M.P. et al.	APPLIED GEOCHEMISTRY	2022
17	Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020	MARIA AURORA ARMIENTA HERNANDEZ EDMUNDO CASTILLO ROSALES Bundschuh J. et al.	CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2021
18	Indoor radon exposure and excess of lung cancer mortality: the case of Mexico?an ecological study	MARIA GUADALUPE PONCIANO RODRIGUEZ MARIA AURORA ARMIENTA HERNANDEZ CITLALI TRUETA SEGOVIA et al.	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2021
19	Arsenic in waters, soils, sediments, and biota from Mexico: An environmental review	MARIA AURORA ARMIENTA HERNANDEZ Magdalena E. Berges Tiznado FEDERICO PAEZ OSUNA et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2021
20	Effects of Untreated Drinking Water at Three Indigenous Yaqui Towns in Mexico: Insights from a Murine Model	DIANA MARIA MEZA FIGUEROA MARIA AURORA ARMIENTA HERNANDEZ Sofia Navarro-Espinoza et al.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2021
21	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.	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	2021
22	Carers' perceptions of harm and the protective measures taken to safeguard children's health against inhalation of volcanic ash: A comparative study across Indonesia, Japan and Mexico	ANA LILLIAN MARTIN DEL POZZO MARIA AURORA ARMIENTA HERNANDEZ Covey J. et al.	INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION	2021

MARIA AURORA ARMIENTA HERNANDEZ

23	Evaluation of the accumulation of heavy metals in water, sediments and plants of a coastal zone of Mexico	MARIA AURORA ARMIENTA HERNANDEZ Juan Miguel Gomez-Bernal Esther Aurora Ruiz-Huerta et al.	WATER AND ENVIRONMENT JOURNAL	2021
24	Remediation by means of EDTA of an agricultural calcareous soil polluted with Pb	MARIA AURORA ARMIENTA HERNANDEZ Israel Labastida Linda A. Mercado et al.	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2021
25	Identificación de las fuentes de nitratos mediante métodos hidrogeoquímicos e isotópicos en el agua subterránea del Bajío guanajuatense	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ Flores-Ocampo I.Z. et al.	GEOFISICA INTERNACIONAL	2020
26	IDENTIFICATION OF NITRATE SOURCES BY HYDROGEOCHEMICAL AND ISOTOPIC METHODS IN THE GROUNDWATER OF THE BAJIO GUANAJUATENSE	JOSE IVAN MORALES ARREDONDO CELIA FLORES OCAMPO MARIA AURORA ARMIENTA HERNANDEZ et al.	GEOFISICA INTERNACIONAL	2020
27	Quantification of the Mixture of Hydrothermal and Fresh Water in Tectonic Valleys	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ Moran-Ramírez J. et al.	JOURNAL OF EARTH SCIENCE	2020
28	Impact of cadmium toxicity on cartilage loss in a 3D in vitro model	JAVIER FERNANDEZ TORRES MARIA AURORA ARMIENTA HERNANDEZ MARIA DE JESUS GONZALEZ GUADARRAMA et al.	ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY	2020
29	Alluvial and gypsum karst geological transition favors spreading arsenic contamination in Matehuala, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Gómez-Hernández A. Rodríguez R. et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2020
30	Assessment of leachable elements in volcanic ashfall: a review and evaluation of a standardized protocol for ash hazard characterization	MARIA AURORA ARMIENTA HERNANDEZ Stewart C. Damby D.E. et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2020
31	Use of low-enthalpy and waste geothermal energy sources to solve arsenic problems in freshwater production in selected regions of Latin America using a process membrane distillation ? Research into model solutions	MARIA AURORA ARMIENTA HERNANDEZ Tomaszewska B. Bundschuh J. et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2020

MARIA AURORA ARMIENTA HERNANDEZ

32	Arsenic in Latin America: A critical overview on the geochemistry of arsenic originating from geothermal features and volcanic emissions for solving its environmental consequences	MARIA AURORA ARMIENTA HERNANDEZ Nury Morales-Simfors Jochen Bundschuh et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2020
33	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
34	Assessment of nutrient contamination in the waters of the El Fuerte River, southern Gulf of California, Mexico	MARIA AURORA ARMIENTA HERNANDEZ FEDERICO PAEZ OSUNA M. G. Fregoso-Lopez et al.	ENVIRONMENTAL MONITORING AND ASSESSMENT	2020
35	Effect of cadmium on the concentration of essential metals in a human chondrocyte micromass culture	JAVIER FERNANDEZ TORRES MARIA AURORA ARMIENTA HERNANDEZ ELIZABETH HERNANDEZ ALVAREZ et al.	JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY	2020
36	Heavy metal assimilation in maize (Zea mays L.) plants growing near mine tailings	MARIA AURORA ARMIENTA HERNANDEZ Margarita Beltran Sarayth Martinez et al.	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2020
37	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
38	Kinetic approach for the appropriate selection of indigenous limestones for acid mine drainage treatment with passive systems	MARIA AURORA ARMIENTA HERNANDEZ FRANCISCO MARTIN ROMERO Israel Labastida et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2019
39	Factors motivating the use of respiratory protection against volcanic ashfall: A comparative analysis of communities in Japan, Indonesia and Mexico	ANA LILLIAN MARTIN DEL POZZO MARIA AURORA ARMIENTA HERNANDEZ Covey J. et al.	INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION	2019
40	Characterizing the hydrogeochemistry of two low-temperature thermal systems in Central Mexico	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ Esteller-Alberich M.V. et al.	JOURNAL OF GEOCHEMICAL EXPLORATION	2018
41	Aquatic Humic Substances: Relationship Between Origin and Complexing Capacity	MARIA AURORA ARMIENTA HERNANDEZ Maria de Jesus Gonzalez-Guadarrama Andre H. Rosa	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2018

MARIA AURORA ARMIENTA HERNANDEZ

42	Heavy metals and arsenic phytoavailability index in pioneer plants from a semipermanent natural wetland	MARIA AURORA ARMIENTA HERNANDEZ VICTOR MANUEL LUNA PABELLO Juan Miguel Gomez-Bernal et al.	ENVIRONMENTA L PROGRESS & SUSTAINABLE ENERGY	2018
43	Hydrogeochemical behavior of uranium and thorium in rock and groundwater samples from southeastern of El Bajío Guanajuatense, Guanajuato, Mexico	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ ERNESTO HERNANDEZ MENDIOLA et al.	ENVIRONMENTA L EARTH SCIENCES	2018
44	Estimation of exposure to high fluoride contents in groundwater supply in some villages in Guanajuato, Mexico	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ RAMIRO RODRIGUEZ CASTILLO	TECNOLOGIA Y CIENCIAS DEL AGUA	2018
45	Spatial distribution, mobility and bioavailability of arsenic, lead, copper and zinc in low polluted forest ecosystem in North-western Mexico	MARIA AURORA ARMIENTA HERNANDEZ Roque-Álvarez I. Sosa-Rodríguez F.S. et al.	Chemosphere	2018
46	Rainwater harvesting as a drinkingwater option for Mexico City	MIREYA ATZALA IMAZ GISPERT MARIA AURORA ARMIENTA HERNANDEZ Climent E.L. et al.	SUSTAINABILITY	2018
47	The importance of analytical chemistry in environmental geochemistry studies in Mexico	MARIA AURORA ARMIENTA HERNANDEZ	Journal Of The Mexican Chemical Society	2018
48	Assessment of arsenic and fluorine in surface soil to determine environmental and health risk factors in the Comarca Lagunera, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Sarinana-Ruiz, Yareli A. Vazquez-Arenas, Jorge et al.	Chemosphere	2017
49	Geochemical behavior of Cu and sulfur isotopes in the tropical mining region of Taxco, Guerrero (southern Mexico)	MARIA AURORA ARMIENTA HERNANDEZ Dotor-Almazan, Azucena Talavera-Mendoza, Oscar et al.	CHEMICAL GEOLOGY	2017
50	Limestone as a sustainable remediation option for water contaminated with fluoride	MARIA AURORA ARMIENTA HERNANDEZ MIGUEL ANGEL ROSALES CESAR Labastida, I. et al.	JOURNAL OF GEOCHEMICAL EXPLORATION	2017
51	Groundwater Chemistry and Overpressure Evidences in Cerro Prieto Geothermal Field	JOSE IVAN MORALES ARREDONDO MARIA AURORA ARMIENTA HERNANDEZ Nuria Segovia	Geofluids	2017
52	Evaluation of the removal of heavy metals in a natural wetland impacted by mining activities in Mexico	MARIA AURORA ARMIENTA HERNANDEZ VICTOR MANUEL LUNA PABELLO Gómez-Bernal J.M. et al.	ENVIRONMENTA L EARTH SCIENCES	2017

MARIA AURORA ARMIENTA HERNANDEZ

53	Principled data preprocessing: Application to biological aquatic indicators of water pollution	MARIA AURORA ARMIENTA HERNANDEZ Eva C. Serrano Balderas Laure Berti-Equille et al.	International Workshop on Database and Expert Systems Applications-D EXA	2017
54	Arsenic and metals mobility in soils impacted by tailings at Zimapán, México	MARIA AURORA ARMIENTA HERNANDEZ Mugica, Violeta Resendiz, Isabel et al.	JOURNAL OF SOILS AND SEDIMENTS	2016
55	The origin of groundwater arsenic and fluorine in a volcanic sedimentary basin in central Mexico: a hydrochemistry hypothesis	JOSE IVAN MORALES ARREDONDO RAMIRO RODRIGUEZ CASTILLO MARIA AURORA ARMIENTA HERNANDEZ et al.	HYDROGEOLOGY JOURNAL	2016
56	A low-Temperature geothermal system in central Mexico: Hydrogeochemistry and potential heat source	JOSE IVAN MORALES ARREDONDO RAMIRO RODRIGUEZ CASTILLO MARIA AURORA ARMIENTA HERNANDEZ et al.	GEOCHEMICAL JOURNAL	2016
57	Potential application of macroinvertebrates indices in bioassessment of Mexican streams	MARIA AURORA ARMIENTA HERNANDEZ Serrano Balderas, Eva Carmina Grac, Corinne et al.	ECOLOGICAL INDICATORS	2016
58	Sulfur speciation with high performance liquid chromatography as a tool for El Chichón volcano, crater lake monitoring	MARIA AURORA ARMIENTA HERNANDEZ Silvia Casas, Ana Ramos, Silvia	JOURNAL OF SOUTH AMERICAN EARTH SCIENCES	2016
59	Total and bioaccessible arsenic and lead in soils impacted by mining exploitation of Fe-oxide-rich ore deposit at Cerro de Mercado, Durango, Mexico	JESSICA VIRIDIANA GARCIA MEZA MARIA AURORA ARMIENTA HERNANDEZ Morales, Nidia A. et al.	ENVIRONMENTAL EARTH SCIENCES	2015
60	Determination of the Concentration of Carbonic Species in Natural Waters: Results from a World-Wide Proficiency Test	MARIA AURORA ARMIENTA HERNANDEZ MARIA DEL ROSARIO SANCHEZ RODRIGUEZ Verma, Mahendra P. et al.	GEOSTANDARDS AND GEOANALYTICAL RESEARCH	2015
61	Geological, hydrogeological, and geothermal factors associated to the origin of arsenic, fluoride, and groundwater temperature in a volcanic environment ?El Bajío Guanajuatense?, Mexico	Ivan Morales RUTH ESTHER VILLANUEVA ESTRADA RAMIRO RODRIGUEZ CASTILLO et al.	ENVIRONMENTAL EARTH SCIENCES	2015
62	Adsorption/desorption of arsenic by tropical peat: Influence of organic matter, iron and aluminium	MARIA AURORA ARMIENTA HERNANDEZ de Oliveira, Lilian Karla Melo, Camila Almeida et al.	ENVIRONMENTAL TECHNOLOGY	2015

MARIA AURORA ARMIENTA HERNANDEZ

63	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
64	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
65	"Microscopic evidences of heavy metals distribution and anatomic alterations in breaching-leaves of Cupressus lindleyi growing around mining wastes"	Gomez-Bernal Juan Miguel OFELIA MORTON BERMEA MARIA AURORA ARMIENTA HERNANDEZ et al.	MICROSCOPY RESEARCH AND TECHNIQUE	2014
66	Identification of nitrate pollution zones in groundwater south of the Mexican Basin	Silvia Montiel Palma MARIA AURORA ARMIENTA HERNANDEZ RAMIRO RODRIGUEZ CASTILLO et al.	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2014
67	Metal accumulation by plant species growing on a mine contaminated site in Mexico	OFELIA MORTON BERMEA MARIA AURORA ARMIENTA HERNANDEZ RUFINO LOZANO SANTA CRUZ et al.	ENVIRONMENTAL EARTH SCIENCES	2014
68	Total and bioaccessible arsenic and lead in soils impacted by mining exploitation of Fe-oxide-rich ore deposit at Cerro de Mercado, Durango, Mexico	JESSICA VIRIDIANA GARCIA MEZA MARIA AURORA ARMIENTA HERNANDEZ Morales N.A. et al.	ENVIRONMENTAL EARTH SCIENCES	2014
69	Procesos de transporte de arsénico y metales en aguas superficiales del distrito minero de Taxco, México: Aplicación de isótopos estables	MARIA AURORA ARMIENTA HERNANDEZ FLOR ELISA DEL ROSARIO ARCEGA CABRERA Almazán A.D. et al.	HIDROBIOLOGICAL	2014
70	Arsenic in hot springs of Bahía Concepción, Baja California Peninsula, México	RUTH ESTHER VILLANUEVA ESTRADA ROSA MARIA PROL LEDESMA CARLOS CANET MIQUEL et al.	CHEMICAL GEOLOGY	2013
71	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
72	Distribution of Fe, Zn, Pb, Cu, Cd and As from mining wastes and wastewater along a transect of Taxco river in Guerrero, Mexico	Miriam Mendez Ramirez MARIA AURORA ARMIENTA HERNANDEZ	REVISTA MEXICANA DE CIENCIAS GEOLOGICAS	2012
73	One century of arsenic exposure in Latin America: A review of history and occurrence from 14 countries	MARIA AURORA ARMIENTA HERNANDEZ Bundschuh, Jochen Litter, Marta I. et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2012

MARIA AURORA ARMIENTA HERNANDEZ

74	Arsenic in volcanic geothermal fluids of Latin America	MARIA AURORA ARMIENTA HERNANDEZ Lopez, Dina L. Bundschuh, Jochen et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2012
75	Arsenic in the human food chain: the Latin American perspective	MARIA AURORA ARMIENTA HERNANDEZ Bundschuh, Jochen Nath, Bibhash et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2012
76	Small-scale and household methods to remove arsenic from water for drinking purposes in Latin America	MARIA AURORA ARMIENTA HERNANDEZ SOFIA ESPERANZA GARRIDO HOYOS Litter, Marta I. et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2012
77	Geochemistry and Cr stable isotopes of Cr-contaminated groundwater in Leon valley, Guanajuato, Mexico	MARIA AURORA ARMIENTA HERNANDEZ OFELIA MORTON BERMEA Villalobos-Aragon, Alejandro et al.	APPLIED GEOCHEMISTRY	2012
78	Inter-laboratory comparison of SiO ₂ analysis for geothermal water chemistry	MARIA AURORA ARMIENTA HERNANDEZ Verma, Mahendra P. Izquierdo, Georgina et al.	Geothermics	2012
79	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
80	Accumulation of arsenic and heavy metals in maize near mine tailings	Esther Aurora Ruiz Huerta MARIA AURORA ARMIENTA HERNANDEZ	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2012
81	Accumulation of arsenic and heavy metals in soil in corn or near tailings mining waste [Acumulación de arsénico y metales pesados en maíz en suelos cercanos a jales o residuos mineros]	MARIA AURORA ARMIENTA HERNANDEZ Huerta E.A.R.	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2012
82	Distribución de Fe, Zn, Pb, Cu, Cd y As originada por residuos mineros y aguas residuales en un transecto del Río Taxco en Guerrero, México	MARIA AURORA ARMIENTA HERNANDEZ Méndez-Ramírez M.	REVISTA MEXICANA DE CIENCIAS GEOLOGICAS	2012
83	Evaluation of the Potential of Indigenous Calcareous Shale for Neutralization and Removal of Arsenic and Heavy Metals From Acid Mine Drainage in the Taxco Mining Area, Mexico	FRANCISCO MARTIN ROMERO LUIS FERNANDO NUÑEZ ENRIQUEZ MARGARITA EUGENIA GUTIERREZ RUIZ et al.	ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2011
84	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

MARIA AURORA ARMIENTA HERNANDEZ

85	Rare-earth element distribution in water from El Chichon Volcano Crater Lake, Chiapas Mexico	OFELIA MORTON BERMEA MARIA AURORA ARMIENTA HERNANDEZ Ramos, S.	GEOFISICA INTERNACIONAL	2010
86	Discrimination between diffuse and point sources of arsenic at Zimapain, Hidalgo state, Mexico	MARIA AURORA ARMIENTA HERNANDEZ RAMIRO RODRIGUEZ CASTILLO MARIA GUADALUPE VILLASEÑOR CABRAL et al.	J ENVIRON MONITOR	2010
87	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
88	TETRAETHYL LEAD RELEASE FROM SEDIMENTS IN A MINE-IMPACTED TROPICAL RIVER	FLOR ELISA DEL ROSARIO ARCEGA CABRERA SILVIA ELENA CASTILLO BLUM MARIA AURORA ARMIENTA HERNANDEZ	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2010
89	Emerging mitigation needs and sustainable options for solving the arsenic problems of rural and isolated urban areas in Latin America - A critical analysis	MARIA AURORA ARMIENTA HERNANDEZ Bundschuh, Jochen Litter, Marta et al.	WATER RESEARCH	2010
90	Plants from mining wastes from Taxco, Guerrero, Mexico	Juan Miguel Gomez Bernal Jorge Santana Carillo Francisco Romero Martin et al.	Boletín De La Sociedad Botánica De México	2010
91	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
92	Water treatment for human consumption with high arsenic content: A study case in zimapán hidalgo- Mexico [Tratamiento de agua para consumo humano con alto contenido de arsénico: estudio de un caso en zimapán hidalgo-méxico]	MARIA AURORA ARMIENTA HERNANDEZ Flores E. Micete S. et al.	Informacion Tecnologica	2009

MARIA AURORA ARMIENTA HERNANDEZ

93	Preventing health water related risks in growing megacities: The Southern part of Mexico City	MARIA AURORA ARMIENTA HERNANDEZ Rodriguez-Castillo R.	WIT Transactions on Biomedicine and Health	2009
94	Variations of Pb in a mine-impacted tropical river, Taxco, Mexico: Use of geochemical, isotopic and statistical tools	FLOR ELISA DEL ROSARIO ARCEGA CABRERA MARIA AURORA ARMIENTA HERNANDEZ SILVIA ELENA CASTILLO BLUM et al.	APPLIED GEOCHEMISTRY	2009
95	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
96	Geological and climatic factors determining hazard and environmental impact of mine tailings	FRANCISCO MARTIN ROMERO MARIA AURORA ARMIENTA HERNANDEZ MARGARITA EUGENIA GUTIERREZ RUIZ et al.	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2008
97	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
98	Arsenic distribution in mesquite (Prosopis laevigata) and huizache (Acacia farnesiana) in the Zimapan mining area, Mexico	MARIA AURORA ARMIENTA HERNANDEZ JOSE ROGELIO RODRIGUEZ TALAVERA OLIVIA CRUZ RONQUILLO et al.	GEOCHEMISTRY -EXPLORATION ENVIRONMENT ANALYSIS	2008
99	Arsenic and fluoride in the groundwater of Mexico	MARIA AURORA ARMIENTA HERNANDEZ N. Segovia	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2008
100	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
101	Solid-phase control on the mobility of potentially toxic elements in an abandoned lead/zinc mine tailings impoundment, Taxco, Mexico	FRANCISCO MARTIN ROMERO MARIA AURORA ARMIENTA HERNANDEZ GALIA GONZALEZ HERNANDEZ	APPLIED GEOCHEMISTRY	2007
102	Arsenic in the soils of Zimapan, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Ongley L.K. Sherman L. et al.	ENVIRONMENTAL POLLUTION	2007

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103	Environmental radon studies in Mexico	MARIA AURORA ARMIENTA HERNANDEZ Segovia N. Gaso M.I.	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2007
104	Geology and hydrogeochemistry of the Jungapeo CO ₂ -rich thermal springs, State of Michoacán, Mexico	CLAUS SIEBE GRABACH MARIA AURORA ARMIENTA HERNANDEZ Goff F. et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2007
105	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
106	Mobility and fractionation of Fe, Pb and Zn in river sediments from a silver and base-metals mining area: Taxco, México	MARIA AURORA ARMIENTA HERNANDEZ Espinosa E.	JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZAR DOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING	2007
107	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
108	Geochemistry of leachates from the El Fraile sulfide tailings piles in Taxco, Guerrero, southern Mexico	MARIA AURORA ARMIENTA HERNANDEZ Mendoza O.T. Abundis J.G. et al.	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	2006
109	Comparative study of sampling methods and in situ and laboratory analysis for shallow-water submarine hydrothermal systems	RUTH ESTHER VILLANUEVA ESTRADA ROSA MARIA PROL LEDESMA MARCO ANTONIO TORRES VERA et al.	JOURNAL OF GEOCHEMICAL EXPLORATION	2006
110	Physical, chemical, bacteriological and radioisotopic parameters from springs and wells around Jocotitlan volcano, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Baca Gómez A. Segovia N. et al.	INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION	2006
111	Mineralogical constraints on the mobility of arsenic in tailings from Zimapán, Hidalgo, Mexico	FRANCISCO MARTIN ROMERO MARIA AURORA ARMIENTA HERNANDEZ MARIA GUADALUPE VILLASEÑOR CABRAL et al.	INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION	2006

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112	Potential lixiviation of trace elements in tailings from the mines La Asunción and Las Torres in the Guanajuato Mining District, Mexico [Potencial lixiviación de elementos traza en jales de las minas La Asunción y Las Torres, en el Distri	MARIA AURORA ARMIENTA HERNANDEZ Mendoza-Amézquita E. Ayora C. et al.	REVISTA MEXICANA DE CIENCIAS GEOLOGICAS	2006
113	Kinetic study of the release of lead in a mine-impacted tropical river	FLOR ELISA DEL ROSARIO ARCEGA CABRERA SILVIA ELENA CASTILLO BLUM MARIA AURORA ARMIENTA HERNANDEZ	BULLETIN OF ENVIRONMENTA L CONTAMINATIO N AND TOXICOLOGY	2005
114	Arsenic contamination of the Salamanca aquifer system in Mexico: A risk analysis	MARIA AURORA ARMIENTA HERNANDEZ Mejía Gómez J.A. RAMIRO RODRIGUEZ CASTILLO	Natural Arsenic In Groundwater: Occurrence, Remediation And Management - Proceedings Of The Pre-Congress Workshop	2005
115	Radon, water chemistry and pollution check by volatile organic compounds in springs around Popocatepetl volcano, Mexico	MARIA AURORA ARMIENTA HERNANDEZ MANUEL MENA JARA Segovia N. et al.	ANNALS OF GEOPHYSICS	2005
116	Nitrate in groundwater of Huamantla Valley, Tlaxcala, México [Nitrato en el agua subterránea del Valle De Huamantla, Tlaxcala, México]	MARIA AURORA ARMIENTA HERNANDEZ NORA ELIA CENICEROS BOMBELA Muñoz H. et al.	REVISTA INTERNACIONAL DE CONTAMINACIO N AMBIENTAL	2004
117	Vent fluid chemistry in Bahía Concepción coastal submarine hydrothermal system, Baja California Sur, Mexico	ROSA MARIA PROL LEDESMA CARLOS CANET MIQUEL MARCO ANTONIO TORRES VERA et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2004
118	Influence of faulting on groundwater quality in Valle del Mezquital, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Cervantes-Medel A.	GEOFISICA INTERNACIONAL	2004
119	Geochemistry and origin of high-pH thermal springs in the Pacific coast of Guerrero, Mexico	IOURI TARAN MARIA AURORA ARMIENTA HERNANDEZ Ramírez-Guzmán A.	GEOFISICA INTERNACIONAL	2004

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120	Arsenic sorption by carbonate-rich aquifer material, a control on arsenic mobility at Zimapán, México	FRANCISCO MARTIN ROMERO MARIA AURORA ARMIENTA HERNANDEZ JOSE JAIME ALEJANDRO CARRILLO CHAVEZ	ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2004
121	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
122	Concentrations of heavy metals in soil, Zimapan, México	MARIA AURORA ARMIENTA HERNANDEZ Ongley L.K. Mango H.	J PHYS IV	2003
123	Potassium dichromate increases the micronucleus frequency in the crayfish <i>Procambarus clarkii</i>	MARIA AURORA ARMIENTA HERNANDEZ MARIA EUGENIA GONSEBATT BONAPARTE De La Sienra E.	ENVIRONMENTAL POLLUTION	2003
124	Environmental radioactivity studies in the soil of a coniferous forest	OFELIA MORTON BERMEA MARIA AURORA ARMIENTA HERNANDEZ Segovia N. et al.	RADIATION MEASUREMENTS	2003
125	Geochemistry of metals from mine tailings in Taxco, Mexico	MARIA AURORA ARMIENTA HERNANDEZ OFELIA MORTON BERMEA Talavera O. et al.	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2003
126	Volcanic monitoring for radon and chemical species in the soil and in spring water samples	MARIA AURORA ARMIENTA HERNANDEZ CARLOS MIGUEL VALDES GONZALEZ MANUEL MENA JARA et al.	RADIATION MEASUREMENTS	2003
127	Determination of radon, major and trace elements in water samples from springs and wells of northern Mexico State, Mexico	MARIA AURORA ARMIENTA HERNANDEZ MARIA DE LOURDES GODINEZ CALDERON López R.N. et al.	GEOFISICA INTERNACIONAL	2002
128	Response to B. Morse (2001) on "The role of arsenic-bearing rocks in groundwater pollution at Zimapan Valley, Mexico" by Armienta and others, Environmental Geology 40(4/5)	MARIA AURORA ARMIENTA HERNANDEZ RAMIRO RODRIGUEZ CASTILLO MARIA GUADALUPE VILLASEÑOR CABRAL et al.	ENVIRON GEOL	2002
129	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

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130	The absence of diffuse degassing at Popocatepetl volcano Mexico	NICHOLAS ROBERT VARLEY MIDDLE MARIA AURORA ARMIENTA HERNANDEZ	CHEMICAL GEOLOGY	2001
131	Chromium in a tannery wastewater irrigated area, León Valley, Mexico	MARIA AURORA ARMIENTA HERNANDEZ OFELIA MORTON BERMEA RAMIRO RODRIGUEZ CASTILLO et al.	BULLETIN OF ENVIRONMENTA L CONTAMINATIO N AND TOXICOLOGY	2001
132	The role of arsenic-bearing rocks in groundwater pollution at Zimapán Valley, México	MARIA AURORA ARMIENTA HERNANDEZ MARIA GUADALUPE VILLASEÑOR CABRAL RAMIRO RODRIGUEZ CASTILLO et al.	ENVIRON GEOL	2001
133	Chemistry and mineralogy of high-temperature gas discharges from Colima volcano, Mexico. Implications for magmatic gas-atmosphere interaction	IOURI TARAN MARIA AURORA ARMIENTA HERNANDEZ Bernard A. et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2001
134	Sources, distribution and fate of arsenic along the Tolimán River, Zimapán, Mexico	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO García A.	IAHS Publication	2001
135	Origin of arsenic in the groundwater of the Rioverde basin, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Planer-Friedrich B. Merkel B.J.	ENVIRON GEOL	2001
136	Arsenic removal from contaminated water by the Soyatal Formation, Zimapán Mining District, Mexico - A potential low-cost low-tech remediation system	MARIA AURORA ARMIENTA HERNANDEZ Ongley L.K. Heggeman K. et al.	GEOCHEMISTRY -EXPLORATION ENVIRONMENT ANALYSIS	2001
137	Health risk and sources of arsenic in the potable water of a mining area	MARIA AURORA ARMIENTA HERNANDEZ	IAHS Publication	2000
138	Chemical characteristics of the crater lakes of Popocatepetl, El Chichon, and Nevado de Toluca volcanoes, Mexico	MARIA AURORA ARMIENTA HERNANDEZ SERVANDO DE LA CRUZ REYNA Macías J.L.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2000
139	Natural chromium contamination of groundwater at Leon Valley, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Robles-Camacho J.	JOURNAL OF GEOCHEMICAL EXPLORATION	2000
140	Chemical precursors to the 1998-1999 eruption of Colima volcano, Mexico	IOURI TARAN MARIA AURORA ARMIENTA HERNANDEZ Gavilanes J.C. et al.	REVISTA MEXICANA DE CIENCIAS GEOLOGICAS	2000

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141	Soil gas measurements as an indicator of volcanic activity at Popocatépetl, México	NICHOLAS ROBERT VARLEY MIDDLE MARIA AURORA ARMIENTA HERNANDEZ	Nuovo Cimento C-Colloquia And Communications In Physics	1999
142	Groundwater flow system in the valley of Toluca, Mexico: An assay of natural radionuclide specific activities	JUAN JAVIER CARRILLO SOSA MARIA AURORA ARMIENTA HERNANDEZ Segovia N. et al.	APPLIED RADIATION AND ISOTOPES	1999
143	Geochemistry of the volcano-hydrothermal system of El Chichón Volcano, Chiapas, Mexico	IOURI TARAN MARIA AURORA ARMIENTA HERNANDEZ Fischer T.P. et al.	BULLETIN OF VOLCANOLOGY	1998
144	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
145	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
146	Sister chromatid exchanges in Vicia faba induced by arsenic- contaminated drinking water from Zimapan, Hidalgo, Mexico	SANDRA LUZ GOMEZ ARROYO MARIA AURORA ARMIENTA HERNANDEZ JOSEFINA CORTES ESLAVA et al.	MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS	1997
147	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
148	Some hydro-geochemical fluctuations observed in Mexico related to volcanic activity	MARIA AURORA ARMIENTA HERNANDEZ SERVANDO DE LA CRUZ REYNA	APPLIED GEOCHEMISTRY	1995
149	Environmental exposure to chromium compounds in the valley of Leon, Mexico	MARIA AURORA ARMIENTA HERNANDEZ Rodriguez-Castillo R.	ENVIRONMENTAL HEALTH PERSPECTIVES	1995
150	Hydrogeochemical behavior of chromium in the unsaturated zone and in the aquifer of leon valley, Mexico	MARIA AURORA ARMIENTA HERNANDEZ ALAIN MARCEL QUERE THORENT	WATER AIR AND SOIL POLLUTION	1995

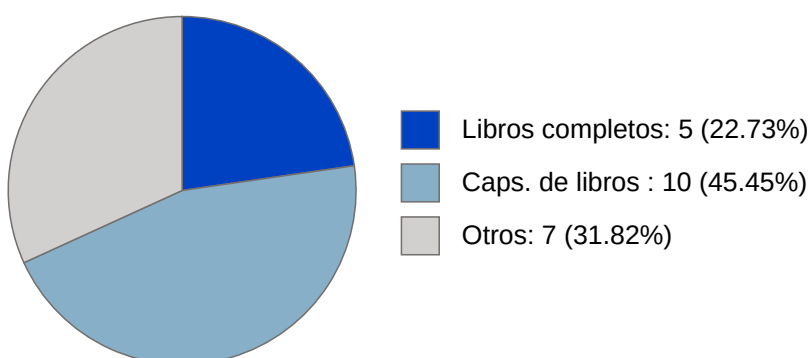
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151	Chromium aquifer pollution: evaluation of environmental impact	MARIA AURORA ARMIENTA HERNANDEZ Rodriguez-Castillo R.	American Society Of Mechanical Engineers (paper)	1994
152	Chromium aquifer pollution: evaluation of environmental impact	MARIA AURORA ARMIENTA HERNANDEZ Rodriguez-Castillo R.	Future Groundwater Resources At Risk	1994
153	Groundwater pollution with chromium in leon valley, Mexico	MARIA AURORA ARMIENTA HERNANDEZ ALAIN MARCEL QUERE THORENT NORA ELIA CENICEROS BOMBELA et al.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY	1993
154	Chemical changes in spring waters at Tacaná volcano, Chiapas, Mexico: A possible precursor of the May 1986 seismic crisis and phreatic explosion	SERVANDO DE LA CRUZ REYNA MARIA AURORA ARMIENTA HERNANDEZ Zamora V. et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	1989
155	Radon emanation related to geothermal faults	MANUEL MENA JARA MARIA AURORA ARMIENTA HERNANDEZ de la Cruz S. et al.	International Journal Of Radiation Applications And Instrumentation. Part	1986
156	RADON EMANATION RELATED TO GEOTHERMAL FAULTS.	MANUEL MENA JARA MARIA AURORA ARMIENTA HERNANDEZ de la Cruz S. et al.	Nuclear Tracks	1985

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LIBROS Y CAPITULOS CON ISBN

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#	Título	Autores	Alcance	Año	ISBN
1	Advances in the development of adequate, affordable, and sustainable treatment alternatives to drinking water contamination by arsenic, heavy metals, and nitrates in Mexico	MARIA AURORA ARMIENTA HERNANDEZ	Capítulo de un Libro	2024	9780323917339
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12	Removal of arsenic from acid mine drainage by indigenous limestones	MARIA AURORA ARMIENTA HERNANDEZ OLIVIA CRUZ RONQUILLO ALEJANDRA AGUAYO RIOS et al.	Conferencia e Paper	2016	9781138029415
13	The role of hydrogeologists in the management and remediation of aquifers with arsenic	MARIA AURORA ARMIENTA HERNANDEZ Rodriguez, R. Morales, I. et al.	Conferencia e Paper	2016	9781138029415
14	Limitations on health affectation assessments due to groundwater arsenic exposure - The Mexican case	RAMIRO RODRIGUEZ CASTILLO MARIA AURORA ARMIENTA HERNANDEZ Morales I. et al.	Conferencia e Paper	2014	9781138001411

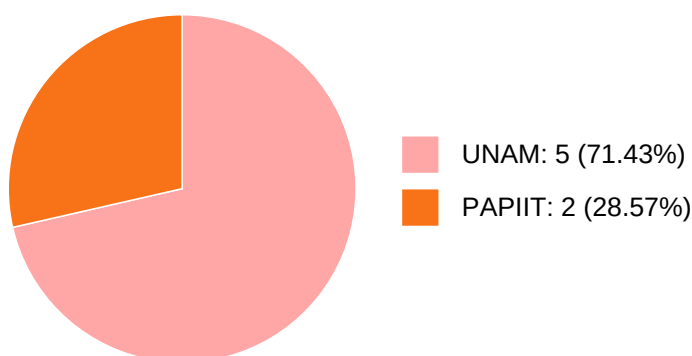
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15	Geological and hydrogeochemical characteristics of an aquifer with arsenic, can they help to define the As origin?	RAMIRO RODRIGUEZ CASTILLO MARIA AURORA ARMIENTA HERNANDEZ Morales I.	Conferenc e Paper	2014	9781138001411
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18	Chromium contamination in León Valley, Guanajuato, México: A Cr stable isotope perspective	MARIA AURORA ARMIENTA HERNANDEZ OFELIA MORTON BERMEA Villalobos-Aragón A. et al.	Capítulo de un Libro	2010	9781439862995
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21	Chromium contamination in León valley, Guanajuato, México: A Cr stable isotope perspective	MARIA AURORA ARMIENTA HERNANDEZ OFELIA MORTON BERMEA Villalobos-Aragón A. et al.	Conferenc e Paper	2010	9780415604260
22	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

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Laboratorio de Química Analítica.	MARIA AURORA ARMIENTA HERNANDEZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2020	31-12-2025
2	Procesos geoquímicos y alternativas de remediación en zonas contaminadas con elementos potencialmente tóxicos.	MARIA AURORA ARMIENTA HERNANDEZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2020
3	Remoción de arsénico y fluoruro de aguas subterráneas contaminadas mediante rocas calizas nativas	MARIA AURORA ARMIENTA HERNANDEZ	Recursos PAPIIT	01-01-2018	01-12-2019
4	Geoquímica ambiental de elementos potencialmente tóxicos.	MARIA AURORA ARMIENTA HERNANDEZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2021	31-12-2021
5	Mecanismos de remoción y estabilidad de arsénico en rocas calizas.	MARIA AURORA ARMIENTA HERNANDEZ	Recursos PAPIIT	01-01-2021	31-12-2022
6	Fuentes, procesos geoquímicos de especies inorgánicas contaminantes en aguas subterráneas y alternativas de remediación.	MARIA AURORA ARMIENTA HERNANDEZ	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



MARIA AURORA ARMIENTA HERNANDEZ

7	Geoquímica ambiental de metales y metaloides tóxicos y desarrollo de alternativas de remediación	MARIA AURORA ARMIENTA HERNANDEZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2024	31-12-2025
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PARTICIPACIÓN EN TESIS

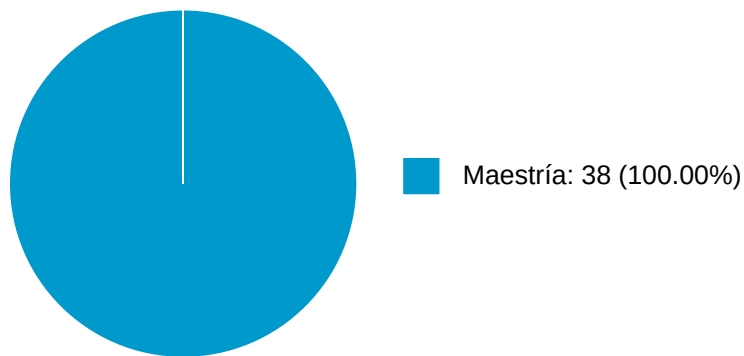
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	ACTIVIDAD ACADÉMICA PARA LA OBTENCIÓN DEL GRADO	Instituto de Geofísica	1	2024-2
2	Maestría	SEMINARIO DE INVESTIGACIÓN	Instituto de Geofísica	1	2024-1
3	Maestría	HIDROGEOQUÍMICA	Instituto de Geofísica	2	2024-1
4	Maestría	HIDROGEOQUÍMICA	Instituto de Geofísica	2	2023-1
5	Maestría	HIDROGEOQUÍMICA	Instituto de Geofísica	6	2022-1
6	Maestría	HIDROGEOQUÍMICA	Centro de Geociencias en Juriquilla, Querétaro	1	2021-1
7	Maestría	HIDROGEOQUÍMICA	Instituto de Geofísica	8	2021-1
8	Maestría	HIDROGEOQUÍMICA	Instituto de Geofísica	9	2019-2
9	Maestría	HIDROGEOQUIMICA	Instituto de Geofísica	8	2018-2
10	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Instituto de Geofísica	2	2018-2
11	Maestría	SEMINARIO DE INVESTIGACION	Instituto de Geofísica	2	2018-1
12	Maestría	HIDROGEOQUÍMICA	Instituto de Geofísica	13	2017-2
13	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO-394119	Instituto de Geofísica	1	2017-1
14	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Instituto de Geofísica	1	2016-2
15	Maestría	HIDROGEOQUIMICA	Instituto de Geofísica	11	2016-2
16	Maestría	SEMINARIO DE INVESTIGACION	Instituto de Geofísica	1	2016-2
17	Maestría	SEMINARIO DE INVESTIGACION	Instituto de Geofísica	1	2016-1
18	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Instituto de Geofísica	1	2016-1

MARIA AURORA ARMIENTA HERNANDEZ

19	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Instituto de Geofísica	1	2015-2
20	Maestría	SEMINARIO DE INVESTIGACION	Instituto de Geofísica	1	2015-2
21	Maestría	HIDROGEOQUIMICA	Instituto de Geofísica	5	2015-2
22	Maestría	SEMINARIO DE INVESTIGACION	Instituto de Geofísica	1	2015-1
23	Maestría	HIDROGEOQUIMICA	Instituto de Geología	6	2014-2
24	Maestría	HIDROGEOQUIMICA	Instituto de Geofísica	4	2014-2
25	Maestría	HIDROGEOQUIMICA	Instituto de Geofísica	1	2013-2
26	Maestría	HIDROGEOQUIMICA	Instituto de Geología	4	2013-2
27	Maestría	HIDROGEOQUIMICA	Instituto de Geología	2	2012-2
28	Maestría	HIDROGEOQUIMICA	Instituto de Geofísica	3	2012-2
29	Maestría	TEMA SELECTO	Instituto de Geofísica	1	2012-1
30	Maestría	HIDROGEOQUIMICA	Instituto de Geología	2	2011-2
31	Maestría	TEMA SELECTO	Instituto de Geofísica	1	2011-2
32	Maestría	HIDROGEOQUIMICA	Instituto de Geofísica	1	2011-2
33	Maestría	TEMA SELECTO	Instituto de Geología	4	2011-2
34	Maestría	TEMA SELECTO	Instituto de Geología	1	2010-2
35	Maestría	TEMA SELECTO	Instituto de Geofísica	4	2010-2
36	Maestría	TEMA SELECTO	Instituto de Geología	5	2009-2
37	Maestría	TEMA SELECTO	Instituto de Geología	7	2008-2
38	Maestría	TEMA SELECTO	Instituto de Geofísica	2	2008-2



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Coordinación de Planeación, Evaluación y
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Reporte individual



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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