



Sistema Integral de Información Académica
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IRMA AURORA ROSAS PEREZ

Datos Generales

Nombre: IRMA AURORA ROSAS PEREZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 51 años

Nombramientos

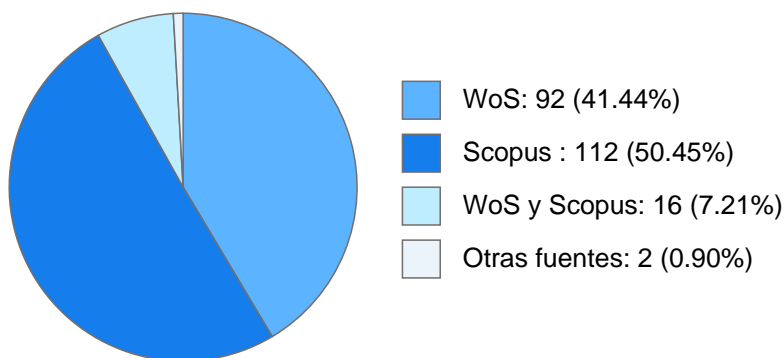
Vigente: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Ciencias de la Atmósfera y Cambio Climático
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Estímulos, programas, premios y reconocimientos

SNI III 2010 - 2023
SNI II - 2009
PRIDE D - 2022

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Sampling, composition, and biological effects of Mexico City airborne particulate matter from multiple periods	MIGUEL SANTIBAÑEZ ANDRADE IRMA AURORA ROSAS PEREZ OMAR AMADOR MUÑOZ et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2024
2	Subchronic co-exposure to particulate matter and fructose-rich-diet induces insulin resistance in male Sprague Dawley rats	OMAR AMADOR MUÑOZ IRMA AURORA ROSAS PEREZ Jiménez-Chávez A. et al.	ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY	2023
3	Maritime and continental microorganisms collected in Mexico: An investigation of their ice-nucleating abilities	MARIA EVA SALINAS CORTES IRMA AURORA ROSAS PEREZ GRACIELA LUCIA BINIMELIS DE RAGA et al.	ATMOSPHERIC RESEARCH	2023
4	Reduced commuter exposure to PM2.5 and PAHs in response to improved emission standards in bus rapid transit systems in Mexico	IVAN YASSMANY HERNANDEZ PANIAGUA OMAR AMADOR MUÑOZ IRMA AURORA ROSAS PEREZ et al.	ENVIRONMENTAL POLLUTION	2023
5	Pollen morphology of the <i>Ephedra</i> (<i>Ephedraceae</i>) species distributed in Mexico	ARMANDO ZEPEDA RODRIGUEZ FRANCISCO GERARDO PASOS NAJERA IRMA AURORA ROSAS PEREZ et al.	ACTA BOTANICA MEXICANA	2023



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6	PM2.5 induces airway hyperresponsiveness and inflammation via the AhR pathway in a sensitized Guinea pig asthma-like model	OMAR AMADOR MUÑOZ IRMA AURORA ROSAS PEREZ YESENNIA SANCHEZ PEREZ et al.	Toxicology	2022
7	Metallo-beta-lactamase-producing Escherichia coli in the sewage of Mexico City: where do they come from?	MARIA EVA SALINAS CORTES YOLANDA LOPEZ VIDAL CHRISTINA DESIREE SIEBE GRABACH et al.	CANADIAN JOURNAL OF MICROBIOLOGY	2022
8	Mexican agricultural soil dust as a source of ice nucleating particles	IRMA CRUZ GAVILAN GARCIA GRACIELA LUCIA BINIMELIS DE RAGA TERESA PI PUIG et al.	ATMOSPHERIC CHEMISTRY AND PHYSICS	2022
9	Transient traffic energy-use analysis employing video-tracking and microscopic modeling techniques: A case study using electric and combustion engine vehicles	ARON JAZCILEVICH DIAMANT IVAN YASSMANY HERNANDEZ PANIAGUA ANTONIO SUAREZ BONILLA et al.	Energy Science & Engineering	2022
10	New Variants of Pseudomonas aeruginosa High-Risk Clone ST233 Associated with an Outbreak in a Mexican Paediatric Hospital	IRMA AURORA ROSAS PEREZ Pamela Aguilar-Rodea Elia L. Estrada-Javier et al.	Microorganism	2022
11	Terminal velocity of fern and lycopod spores is affected more by mass and ornamentation than by size	FELIPE GOMEZ NOGUEZ LUIS MANUEL LEON ROSSANO IRMA AURORA ROSAS PEREZ et al.	AMERICAN JOURNAL OF BOTANY	2022
12	Characterization of ice nucleating particles in rainwater, cloud water, and aerosol samples at two different tropical latitudes	ROCIO GARCIA MARTINEZ GRACIELA LUCIA BINIMELIS DE RAGA HARRY ALVAREZ OSPINA et al.	ATMOSPHERIC RESEARCH	2021
13	ADABBOY	GRACIELA LUCIA BINIMELIS DE RAGA LUIS ANTONIO LADINO MORENO DARREL GIBSON BAUMGARDNER et al.	BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY	2021
14	Characterization of culturable airborne microorganisms in the Yucatan Peninsula	GRACIELA LUCIA BINIMELIS DE RAGA MARIA EVA SALINAS CORTES IRMA AURORA ROSAS PEREZ et al.	ATMOSPHERIC ENVIRONMENT	2020
15	Characterization of culturable airborne microorganisms in the Yucatan Peninsula	MARIA EVA SALINAS CORTES LETICIA MARTINEZ ROMERO IRMA AURORA ROSAS PEREZ et al.	ATMOSPHERIC ENVIRONMENT	2020
16	Platinum concentration in PM2.5 in the Mexico City Metropolitan Area: relationship to meteorological conditions	OFELIA MORTON BERMEA ELIZABETH HERNANDEZ ALVAREZ Sara Ordonez Godinez et al.	HUMAN AND ECOLOGICAL RISK ASSESSMENT	2020



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17	Proteomics profiles of Cronobacter sakazakii and a fliF mutant: Adherence and invasion in mouse neuroblastoma cells	IRMA AURORA ROSAS PEREZ ARIADNNA DEL CARMEN CRUZ CORDOVA Veronica E.-K. et al.	MICROBIAL PATHOGENESIS	2020
18	Effect of heavy metals and environmental variables on the assimilation of CO2 and stomatal conductance of Ligustrum lucidum, an urban tree from Mexico City	VICTOR LUIS BARRADAS MIRANDA CLAUDIA ALEJANDRA PONCE DE LEON HILL MANUEL ESPERON RODRIGUEZ et al.	URBAN FORESTRY & URBAN GREENING	2019
19	Studying human exposure to vehicular emissions using computational fluid dynamics and an urban mobility simulator: The effect of sidewalk residence time, vehicular technologies and a traffic-calming device	IVAN YASSMANY HERNANDEZ PANIAGUA IRMA AURORA ROSAS PEREZ ARON JAZCILEVICH DIAMANT et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2019
20	Sidewalk pollution flows caused by vehicular traffic place children at a higher acute exposure risk	ARON JAZCILEVICH DIAMANT IRMA AURORA ROSAS PEREZ Juan de la Cruz Zavala et al.	JOURNAL OF EXPOSURE SCIENCE AND ENVIRONMENTA L EPIDEMIOLOGY	2019
21	Expression of receptors for adhesion molecules in monocytes exposed to urban particulate matter is independent of size and composition of the particles.	JAVIER MIRANDA MARTIN DEL CAMPO IRMA AURORA ROSAS PEREZ E. Alfaro-Moreno et al.	TOXICOLOGY LETTERS	2019
22	Socio-environmental assessment of a landfill using a mixed study design: A case study from MÃ©xico	IRMA AURORA ROSAS PEREZ ANA CECILIA ESPINOSA GARCIA CHRISTINA DESIREE SIEBE GRABACH et al.	WASTE MANAGEMENT	2019
23	Spatial and temporal distribution of metals in PM 2.5 during 2013: assessment of wind patterns to the impacts of geogenic and anthropogenic sources	OFELIA MORTON BERMEA ELIZABETH HERNANDEZ ALVAREZ OMAR AMADOR MUÑOZ et al.	ENVIRONMENTA L MONITORING AND ASSESSMENT	2019
24	Ice-nucleating particles in a coastal tropical site	LUIS ANTONIO LADINO MORENO GRACIELA LUCIA BINIMELIS DE RAGA HARRY ALVAREZ OSPINA et al.	ATMOSPHERIC CHEMISTRY AND PHYSICS	2019
25	Urban particulate matter induces the expression of receptors for early and late adhesion molecules on human monocytes	JAVIER MIRANDA MARTIN DEL CAMPO IRMA AURORA ROSAS PEREZ Quintana-Belmares R. et al.	ENVIRONMENTA L RESEARCH	2018

26	Macrophage exposure to polycyclic aromatic hydrocarbons from wood smoke reduces the ability to control growth of mycobacterium tuberculosis	MARIA ISABEL SADA OVALLE LESLIE CHAVEZ GALAN IRMA AURORA ROSAS PEREZ et al.	Frontiers In Medicine	2018
27	Phthalate esters on urban airborne particles: Levels in PM10 and PM2.5 from Mexico City and theoretical assessment of lung exposure	IRMA AURORA ROSAS PEREZ Quintana-Belmares R.O. Kraiss A.M. et al.	ENVIRONMENTAL RESEARCH	2018
28	Recognition of the importance of geogenic sources in the content of metals in PM2.5 collected in the Mexico City Metropolitan Area	OFELIA MORTON BERMEA RODRIGO GARZA GALINDO FLORES ELIZABETH HERNANDEZ ALVAREZ et al.	ENVIRONMENTAL MONITORING AND ASSESSMENT	2018
29	Personal exposure to PM2.5 in the megacity of Mexico: A multi-mode transport study	GEMA LUZ ANDRACA AYALA LUIS GERARDO RUIZ SUAREZ LUIS TORRE BOUSCOULET et al.	ATMOSPHERE	2018
30	Atmospheric PM2.5 Mercury in the Metropolitan Area of Mexico City	OFELIA MORTON BERMEA RODRIGO GARZA GALINDO FLORES ELIZABETH HERNANDEZ ALVAREZ et al.	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2018
31	Experimental Measurements of Terminal Velocity of Fern Spores	LUIS MANUEL LEON ROSSANO ALMA DELFINA LUCIA OROZCO SEGOVIA IRMA AURORA ROSAS PEREZ et al.	AMERICAN FERN JOURNAL	2017
32	Inhalation of concentrated PM2.5 from Mexico City acts as an adjuvant in a guinea pig model of allergic asthma	CARLOS IVAN FALCON RODRIGUEZ IRMA AURORA ROSAS PEREZ De Vizcaya-Ruiz, Andrea et al.	ENVIRONMENTAL POLLUTION	2017
33	Airborne particulate matter in vitro exposure induces cytoskeleton remodeling through activation of the ROCK-MYPT1-MLC pathway in A549 epithelial lung cells	YOLANDA IRASEMA CHIRINO LOPEZ LUIS ALONSO HERRERA MONTALVO ALEJANDRO LOPEZ SAAVEDRA et al.	TOXICOLOGY LETTERS	2017
34	Health risks from exposure to untreated wastewater used for irrigation in the Mezquital Valley, Mexico: A 25-year update	GONZALO CASTILLO ROJAS ROSA ISABEL AMIEVA FERNANDEZ SANDRA GEORGINA SOLANO GALVEZ et al.	WATER RESEARCH	2017
35	Relación de los mecanismos inmunológicos del asma y la contaminación ambiental	IRMA AURORA ROSAS PEREZ PATRICIA SEGURA MEDINA Falcón-Ro Dríguez, C.I.	Revista de la Facultad de Medicina	2017
36	Immunologic response to ozone and PM < 2.5 from Mexico City in a Guinea pig asthma model	CARLOS IVAN FALCON RODRIGUEZ IRMA AURORA ROSAS PEREZ PATRICIA SEGURA MEDINA et al.	TOXICOLOGY LETTERS	2016



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37	TNF α and IL-6 responses to particulate matter in vitro: Variation according to PM size, season, and polycyclic aromatic hydrocarbon and soil content	FELIPE VADILLO ORTEGA IRMA AURORA ROSAS PEREZ Manzano-Leon, Natalia et al.	ENVIRONMENTAL HEALTH PERSPECTIVES	2016
38	Urban airborne pollen in a semiarid environment	IRMA AURORA ROSAS PEREZ Moreno-Sarmiento, Maribel Cristina Penalba, M. et al.	Aerobiologia	2016
39	Spore mass and morphometry of some fern species	FELIPE GOMEZ NOGUEZ BLANCA PEREZ GARCIA ALMA DELFINA LUCIA OROZCO SEGOVIA et al.	Flora	2016
40	Diurnal variations of airborne pollen concentration and the effect of ambient temperature in three sites of Mexico City	RICARDO TORRES JARDON ELIA RAMIREZ ARRIAGA IRMA AURORA ROSAS PEREZ et al.	INTERNATIONAL JOURNAL OF BIOMETEOROLOGY	2016
41	Modeling and estimating manganese concentrations in rural households in the mining district of Molango, Mexico	IRMA AURORA ROSAS PEREZ Cortez-Lugo M. Rodríguez-Dozal S. et al.	ENVIRONMENTAL MONITORING AND ASSESSMENT	2015
42	Economic-environmental analysis of traffic-calming devices	ARON JAZCILEVICH DIAMANT Jose Maria Mares Vazquez IRMA AURORA ROSAS PEREZ et al.	TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT	2015
43	Organophosphorus and Organochlorine Pesticides Bioaccumulation by Eichhornia crassipes in Irrigation Canals in an Urban Agricultural System	B. M. MercadoBorrayo SILKE CRAM HEYDRICH IRMA AURORA ROSAS PEREZ et al.	INTERNATIONAL JOURNAL OF PHYTOREMEDIATION	2015
44	Particulate matter (PM10) induces metalloprotease activity and invasion in airway epithelial cells	YOLANDA IRASEMA CHIRINO LOPEZ JORGE MELENDEZ ZAJGLA IRMA AURORA ROSAS PEREZ et al.	TOXICOLOGY LETTERS	2015
45	Characterization of Escherichia coli isolates from an urban lake receiving water from a wastewater treatment plant in Mexico city: Fecal pollution and antibiotic resistance	IRMA AURORA ROSAS PEREZ MARIA EVA SALINAS CORTES LETICIA MARTINEZ ROMERO et al.	CURRENT MICROBIOLOGY	2015
46	Fine Particles Of Mexico City Can Produce An Adjuvant Effect In A Guinea-Pig Model For Allergic Asthma	CARLOS IVAN FALCON RODRIGUEZ IRMA AURORA ROSAS PEREZ ReyesNava, B. et al.	AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE	2015



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47	Sampling and composition of airborne particulate matter (PM10) from two locations of Mexico City	YOLANDA IRASEMA CHIRINO LOPEZ IRMA AURORA ROSAS PEREZ Sánchez-Pérez Y. et al.	Data in Brief	2015
48	Evaluation of the oxidative potential of urban PM and its relation to in vitro induced DNA damage: A spatial and temporal comparison	VIRGINIA GOMEZ VIDALES MANUEL DE JESUS SALMON SALAZAR IRMA AURORA ROSAS PEREZ et al.	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2015
49	Exposure To Particulate Matter Of Mexico City Increase The Adjuvant Process In An Ovalbumin-Sensitization Guinea Pig Model Of Allergic Asthma	CARLOS IVAN FALCON RODRIGUEZ IRMA AURORA ROSAS PEREZ PATRICIA SEGURA MEDINA et al.	AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE	2014
50	Polycyclic Aromatic Hydrocarbons in Rainwater Collected in a Tropical Polluted Urban Area	CLAUDIA ALEJANDRA PONCE DE LEON HILL R. Huerta IRENE MARIE SOMMER CERVANTES et al.	POLYCYCLIC AROMATIC COMPOUNDS	2014
51	A comparison between Cal-Mex in Tijuana and Cal-Nex in Pasadena on aerosol optical properties, ozone and reactive nitrogen	GIOVANNI ALBERTO CARABALI SANDOVAL RICARDO TORRES JARDON TELMA GLORIA CASTRO ROMERO et al.	Urban Climate	2014
52	Airborne pollen grains collected in an urban area: Merced, Mexico city	ELIA RAMIREZ ARRIAGA ADELA MARGARITA REYES SALAS IRMA AURORA ROSAS PEREZ et al.	ACTA MICROSCOPICA	2014
53	Variation in the Composition and In Vitro Proinflammatory Effect of Urban Particulate Matter from Different Sites	JESUS ARTURO SERRANO LOMELIN FELIPE VADILLO ORTEGA IRMA AURORA ROSAS PEREZ et al.	JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY	2013
54	Recent advances in particulate matter and nanoparticle toxicology: A review of the in vivo and in vitro studies	IRMA AURORA ROSAS PEREZ Nemmar, Abderrahim Holme, Jorn A. et al.	BIOMED RESEARCH INTERNATIONAL	2013
55	Particulate matter and nanoparticles toxicology	IRMA AURORA ROSAS PEREZ Alfaro-Moreno, Ernesto Nawrot, Tim S. et al.	BIOMED RESEARCH INTERNATIONAL	2013
56	In vitro particulate matter toxicity relates to seasonal variability in chemical composition	FELIPE VADILLO ORTEGA IRMA AURORA ROSAS PEREZ Vargas, Alvaro Osornio et al.	TOXICOLOGY LETTERS	2013
57	In vitro biological effects of airborne PM2.5 and PM10 from a semi-desert city on the Mexico-US border	JESUS ARTURO SERRANO LOMELIN JAVIER MIRANDA MARTIN DEL CAMPO IRMA AURORA ROSAS PEREZ et al.	Chemosphere	2011



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58	Regional environmental assessment for multiagency policy making: implementing an environmental ontology through GIS-MCDA	LUIS ANTONIO BOJORQUEZ TAPIA LAURA LUNA GONZALEZ GUSTAVO MANUEL CRUZ BELLO et al.	ENVIRON PLANN B	2011
59	Flagella from Cronobacter sakazakii induced an inflammatory response in humans monocytes	Ariadnna Cruz BERTHA MARIA JOSEFINA GONZALEZ PEDRAJO CARLOS ALBERTO ESLAVA CAMPOS et al.	Cytokine	2011
60	Virulence traits in Cronobacter species isolated from different sources	Ariadnna Cruz BERTHA MARIA JOSEFINA GONZALEZ PEDRAJO CARLOS ALBERTO ESLAVA CAMPOS et al.	CANADIAN JOURNAL OF MICROBIOLOGY	2011
61	The oxidative potential and biological effects induced by PM10 obtained in Mexico City and at a receptor site during the MILAGRO Campaign	JESUS ARTURO SERRANO LOMELIN VIRGINIA GOMEZ VIDALES JAVIER MIRANDA MARTIN DEL CAMPO et al.	ENVIRONMENTA L POLLUTION	2011
62	Fluoroquinolone resistance in clinical and environmental isolates of Escherichia coli in Mexico City	AGLES CRUZ AVELAR IRMA AURORA ROSAS PEREZ Amabile-Cuevas, C. F. et al.	JOURNAL OF APPLIED MICROBIOLOGY	2010
63	PM10 impairs the antioxidant defense system and exacerbates oxidative stress driven cell death	YOLANDA IRASEMA CHIRINO LOPEZ IRMA AURORA ROSAS PEREZ JOSE PEDRAZA CHAVERRI et al.	TOXICOLOGY LETTERS	2010
64	Indoor particle size distributions in homes with open fires and improved Patsari cook stoves	CYNTHIA ARMENDARIZ ARNEZ IRMA AURORA ROSAS PEREZ FRANCISCO JAVIER ESPINOSA GARCIA et al.	ATMOSPHERIC ENVIRONMENT	2010
65	Induction of IL-6 and inhibition of IL-8 secretion in the human airway cell line Calu-3 by urban particulate matter collected with a modified method of PM sampling	VICTOR MANUEL TORRES FLORES JAVIER MIRANDA MARTIN DEL CAMPO NORMA LETICIA MARTINEZ VINIEGRA et al.	ENVIRONMENTA L RESEARCH	2009
66	Cognitive impairment in an adult Mexican population non-occupationally exposed to manganese	IRMA AURORA ROSAS PEREZ Solis-Vivanco, R Rodríguez-Agudelo, Y et al.	ENVIRONMENTA L TOXICOLOGY AND PHARMACOLOG Y	2009
67	A stochastic model for vehicular resuspension exposure near unpaved roads	ANN GODELIEVE WELLENS PURNAL ARON JAZCILEVICH DIAMANT CHRISTINA DESIREE SIEBE GRABACH et al.	21st European Modeling And Simulation Symposium, Emss 2009	2009



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68	An analysis of the evolutionary relationships of integron integrases, with emphasis on the prevalence of class 1 integrons in Escherichia coli isolates from clinical and environ	J. Javier Diaz Mejia IRMA AURORA ROSAS PEREZ VALERIA FRANCISCA EUGENIA LEOPOLDINA DE MARIA DE GUADALUPE SOUZA SALDIVAR et al.	MICROBIOLOGY -SGM	2008
69	Soil aggregates in a tropical deciduous forest: effects on C and N dynamics, and microbial communities as determined by t-RFLPs	ANA MARIA NOGUEZ GALVEZ ANA ELENA ESCALANTE HERNANDEZ MARIBEL NAVA MENDOZA et al.	Biogeochemistr y	2008
70	E-Selectin expression in human endothelial cells exposed to PM10: The role of endotoxin and insoluble fraction	IRMA AURORA ROSAS PEREZ Alfaro-Moreno E. López-Marure R. et al.	ENVIRONMENTA L RESEARCH	2007
71	Relations between PM10 composition and cell toxicity: A multivariate and graphical approach	IRMA AURORA ROSAS PEREZ JESUS ARTURO SERRANO LOMELIN JAVIER MIRANDA MARTIN DEL CAMPO et al.	Chemosphere	2007
72	Potential toxic effects associated to metals and endotoxin present in PM10: An ancillary study using multivariate analysis	SERGIO PONCE DE LEON ROSALES LETICIA MARTINEZ LOPEZ IRMA AURORA ROSAS PEREZ et al.	INHALATION TOXICOLOGY	2007
73	Monoterpene and isoprene emissions from typical tree species in forests around Mexico City	LUIS GERARDO RUIZ SUAREZ IRMA AURORA ROSAS PEREZ JOSE MANUEL HERNANDEZ SOLIS et al.	ATMOSPHERIC ENVIRONMENT	2007
74	Urban dust fecal pollution in Mexico City: Antibiotic resistance and virulence factors of Escherichia coli	IRMA AURORA ROSAS PEREZ MARIA EVA SALINAS CORTES LETICIA MARTINEZ LOPEZ et al.	INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTA L HEALTH	2006
75	Characterization and in vitro biological effects of concentrated particulate matter from Mexico City	IRMA AURORA ROSAS PEREZ MARIA EVA SALINAS CORTES FEDERICO MARTINEZ MONTES et al.	ATMOSPHERIC ENVIRONMENT	2006
76	Motor alterations associated with exposure to manganese in the environment in Mexico	LUIS CAMILO RIOS CASTAÑEDA IRMA AURORA ROSAS PEREZ CHRISTINA DESIREE SIEBE GRABACH et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2006
77	The influence of water-soluble As(III) and As(V) on dehydrogenase activity in soils affected by mine tailings	IRENE MARIE SOMMER CERVANTES SILKE CRAM HEYDRICH IRMA AURORA ROSAS PEREZ et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2005
78	On the composition of airborne particles influenced by emissions of the volcano Popocatépetl in Mexico	GRACIELA LUCIA BINIMELIS DE RAGA TELMA GLORIA CASTRO ROMERO IRMA AURORA ROSAS PEREZ et al.	NATURAL HAZARDS	2004

79	Proinflammatory and cytotoxic effects of Mexico City air pollution particulate matter in vitro are dependent on particle size and composition	LETICIA MARTINEZ LOPEZ IRMA AURORA ROSAS PEREZ Osornio-Vargas Á.R. et al.	ENVIRONMENTAL HEALTH PERSPECTIVES	2003
80	Carbonyl levels in indoor and outdoor air in Mexico City and Xalapa, Mexico	ARMANDO BAEZ PEDRAJO HUGO PASCUAL PADILLA GORDON ROCIO GARCIA MARTINEZ et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2003
81	Biologic effects induced in vitro by PM 10 from three different zones of Mexico City	LETICIA MARTINEZ LOPEZ IRMA AURORA ROSAS PEREZ Alfaro-Moreno E. et al.	ENVIRONMENTAL HEALTH PERSPECTIVES	2002
82	DNA damage induced by PM 10 from different zones of Mexico City	IRMA AURORA ROSAS PEREZ García-Cuellar C. Alfaro-Moreno E. et al.	ANN OCCUP HYG	2002
83	Diagnosing black carbon trends in large urban areas using carbon monoxide measurements	OSCAR AUGUSTO PERALTA ROSALES IRMA AURORA ROSAS PEREZ TELMA GLORIA CASTRO ROMERO et al.	Journal Of Geophysical Research	2002
84	Animal and worker exposure to dust and biological particles in animal care houses	IRMA AURORA ROSAS PEREZ MARIA DEL CARMEN LETICIA CALDERON EZQUERRO MARIA EVA SALINAS CORTES et al.	Aerobiologia	2001
85	On the influence of hot-water discharges on phytoplankton communities from a coastal zone of the Gulf of Mexico	MARIA ELENA GONZALEZ ARREAGA IRMA AURORA ROSAS PEREZ Martínez-Arroyo A. et al.	WATER AIR AND SOIL POLLUTION	2000
86	On the evolution of aerosol properties at a mountain site above Mexico City	IRMA AURORA ROSAS PEREZ Baumgardner D. Raga G.B. et al.	Journal Of Geophysical Research	2000
87	PM-10, PM-2.5 and impactor measurements in Mexico City	GRACIELA LUCIA BINIMELIS DE RAGA IRMA AURORA ROSAS PEREZ Baumgardner D.	JOURNAL OF AEROSOL SCIENCE	2000
88	Some aspects of boundary layer evolution in Mexico City	GRACIELA LUCIA BINIMELIS DE RAGA IRMA AURORA ROSAS PEREZ Baumgardner D. et al.	ATMOSPHERIC ENVIRONMENT	1999
89	Priming of cytokine release and increased levels of bactericidal permeability-increasing protein in the blood of animal facility workers	IRMA AURORA ROSAS PEREZ Borm P.J.A. Van Hartingsveld B. et al.	INTERNATIONAL ARCHIVES OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH	1999
90	Arsenic concentrations in water, soil, milk and forage in Comarca Lagunera, Mexico	IRMA AURORA ROSAS PEREZ RAUL BELMONT DAVILA ARMANDO BAEZ PEDRAJO et al.	WATER AIR AND SOIL POLLUTION	1999



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91	Evidence for volcanic influence on Mexico City aerosols	GRACIELA LUCIA BINIMELIS DE RAGA IRMA AURORA ROSAS PEREZ Kok G.L. et al.	GEOPHYSICAL RESEARCH LETTERS	1999
92	Respuestas fotosintéticas del fitoplancton de una zona costera del Golfo de México que recibe descargas térmicas	IRMA AURORA ROSAS PEREZ Martínez-Arroyo A. Abundes S.	REVISTA DE BIOLOGIA TROPICAL	1999
93	Analysis of the relationships between environmental factors (aeroallergens, air pollution, and weather) and asthma emergency admissions to a hospital in Mexico City	IRMA AURORA ROSAS PEREZ MARIA DEL CARMEN LETICIA CALDERON EZQUERRO McCartney H.A. et al.	Allergy	1998
94	Particle exposure modeling in the general population and risk of respiratory disease [Modelaje de exposición a partículas en población general y riesgo de enfermedad respiratoria.]	IRMA AURORA ROSAS PEREZ Santos-Burgoa C. Rojas-Bracho L. et al.	GACETA MEDICA DE MEXICO	1998
95	Induction of the lung myofibroblast PDGF receptor system by urban ambient particles from Mexico City	IRMA AURORA ROSAS PEREZ Bonner J.C. Rice A.B. et al.	AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY	1998
96	Macroscopic and microscopic symptoms in Abies religiosa exposed to ozone in a forest near Mexico City	GUILLERMO LAGUNA HERNANDEZ IRMA AURORA ROSAS PEREZ Alvarez D.	ENVIRONMENTAL POLLUTION	1998
97	Escherichia coli in settled-dust and air samples collected in residential environments in Mexico City	IRMA AURORA ROSAS PEREZ MARIA EVA SALINAS CORTES EDMUNDO CALVA Y MERCADO et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	1997
98	Indoor and outdoor airborne fungal propagule concentrations in Mexico City	IRMA AURORA ROSAS PEREZ MARIA DEL CARMEN LETICIA CALDERON EZQUERRO LETICIA MARTINEZ LOPEZ et al.	Aerobiologia	1997
99	Influence of urban climate upon distribution of airborne Deuteromycete spore concentrations in Mexico City	MARIA DEL CARMEN LETICIA CALDERON EZQUERRO IRMA AURORA ROSAS PEREZ Lacey J. et al.	INTERNATIONAL JOURNAL OF BIOMETEOROLOGY	1997
100	Seasonal and diurnal variation of airborne basidiomycete spore concentrations in Mexico City	MARIA DEL CARMEN LETICIA CALDERON EZQUERRO IRMA AURORA ROSAS PEREZ Lacey J. et al.	Grana	1995



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101	Seasonal variation of atmospheric lead levels in three sites in Mexico City	IRMA AURORA ROSAS PEREZ RAUL BELMONT DAVILA Jauregui E.	ATMOSFERA	1995
102	Preliminary assessment of protein associated with airborne particles in Mexico City	IRMA AURORA ROSAS PEREZ MARIA EVA SALINAS CORTES ROBERTO ALEJANDRO ARREGUIN ESPINOSA DE LOS MONTEROS et al.	Aerobiologia	1995
103	Occurrence of airborne enteric bacteria in Mexico city	IRMA AURORA ROSAS PEREZ Santos-Burgoa C. Yela A.	Aerobiologia	1994
104	The algal community as an indicator of the trophic status of Lake Patzcuaro, Mexico	IRMA AURORA ROSAS PEREZ RAUL BELMONT DAVILA LUIS ARMANDO MARTINEZ GIL et al.	ENVIRONMENTA L POLLUTION	1993
105	Abundance of airborne Penicillium CFU in relation to urbanization in Mexico City	IRMA AURORA ROSAS PEREZ MARIA DEL CARMEN LETICIA CALDERON EZQUERRO MIGUEL ARMANDO ULLOA SOSA et al.	APPLIED AND ENVIRONMENTA L MICROBIOLOGY	1993
106	Preliminary results of size distribution airborne particles in Mexico City	IRMA AURORA ROSAS PEREZ Salazar S. Lemoyne L.	WATER AIR AND SOIL POLLUTION	1992
107	Seasonal distribution of aspergillus in the air of an urban area: Mexico city	IRMA AURORA ROSAS PEREZ MARIA DEL CARMEN LETICIA CALDERON EZQUERRO MIGUEL ARMANDO ULLOA SOSA et al.	Grana	1992
108	The daily variations of airborne fungal spores in Mexico City	IRMA AURORA ROSAS PEREZ MARIA DEL CARMEN LETICIA CALDERON EZQUERRO Escamilla B. et al.	Aerobiologia	1990
109	Meteorological effects on variation of airborne algae in Mexico	IRMA AURORA ROSAS PEREZ Roy-Ocotla G. Mosiño P.	INTERNATIONAL JOURNAL OF BIOMETEOROLO GY	1989
110	Formaldehyde levels in air and wet precipitation at Mexico City, Mexico	ARMANDO BAEZ PEDRAJO RAUL BELMONT DAVILA IRMA AURORA ROSAS PEREZ et al.	ENVIRONMENTA L POLLUTION	1989
111	Some aspects of the environmental exposure to chromium residues in Mexico	IRMA AURORA ROSAS PEREZ RAUL BELMONT DAVILA ARMANDO BAEZ PEDRAJO et al.	WATER AIR AND SOIL POLLUTION	1989
112	Effect of sublethal detergent concentration upon gill permeability of Ctenopharyngodon idella (pisces; cyprinidae)	CARLOS ROSAS VAZQUEZ IRMA AURORA ROSAS PEREZ Espina S. et al.	WATER AIR AND SOIL POLLUTION	1988
113	CO2 concentrations in the highly polluted atmosphere of Mexico City	IRMA AURORA ROSAS PEREZ Reyes M. Mosino P. et al.	ATMOSFERA	1988

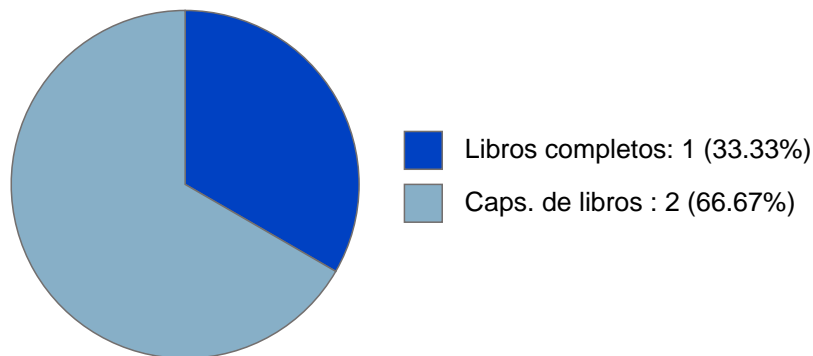


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114	Amoebae isolated from the atmosphere of Mexico City and environs	IRMA AURORA ROSAS PEREZ ELIZABETH RAMIREZ FLORES PATRICIA BONILLA LEMUS et al.	ENVIRONMENTAL RESEARCH	1987
115	Pathogenic and free-living protozoa cultured from the nasopharyngeal and oral regions of dental patients: II	IRMA AURORA ROSAS PEREZ MARIO MODESTO CHAVEZ ARTEAGA Rivera F. et al.	ENVIRONMENTAL RESEARCH	1986
116	Benthic organisms as indicators of water quality in Lake Patzcuaro, Mexico	IRMA AURORA ROSAS PEREZ MARISA MAZARI HIRIART ARMANDO BAEZ PEDRAJO et al.	WATER AIR AND SOIL POLLUTION	1985
117	Bacteriological quality of crops irrigated with wastewater in the Xochimilco Plots, Mexico City, Mexico	IRMA AURORA ROSAS PEREZ ARMANDO BAEZ PEDRAJO Coutino M.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	1984
118	Cytogenetic effects of cadmium accumulation on water hyacinth (<i>Eichhornia crassipes</i>)	IRMA AURORA ROSAS PEREZ SANDRA LUZ GOMEZ ARROYO RAUL BELMONT DAVILA et al.	ENVIRONMENTAL RESEARCH	1984
119	Soil and aquatic fungi in a waste-stabilization pond system of the state of Mexico, Mexico	PAUL DANTE CARRANCO BLANQUET IRMA AURORA ROSAS PEREZ Hernández A. et al.	WATER AIR AND SOIL POLLUTION	1984
120	Oyster (<i>Crassostrea virginica</i>) as indicator of heavy metal pollution in some lagoons of the Gulf of Mexico	IRMA AURORA ROSAS PEREZ ARMANDO BAEZ PEDRAJO RAUL BELMONT DAVILA	WATER AIR AND SOIL POLLUTION	1983

LIBROS Y CAPITULOS CON ISBN

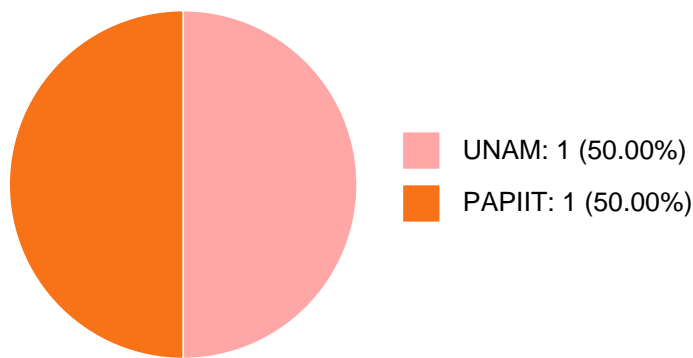
Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Animal and human waste as components of urban dust pollution: Health implications	IRMA AURORA ROSAS PEREZ EDMUNDO CALVA Y MERCADO Amábile-Cuevas C.F. et al.	Capítulo de un Libro	2019	9780444639523
2	Modelos conceptuales para el análisis del impacto de contaminantes. Un estudio de caso: Xochimilco	SILKE CRAM HEYDRICH MARIA DEL PILAR FERNANDEZ LOMELIN ORALIA OROPEZA OROZCO et al.	Libro Completo	2016	9786070283826
3	Ecosystems	IRMA AURORA ROSAS PEREZ	Capítulo de un Libro	2011	9789400703032

PARTICIPACIÓN EN PROYECTOS

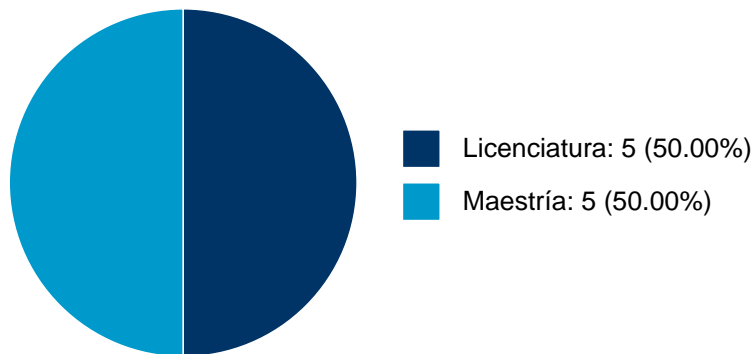
Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Evaluación de los efectos sobre el ADN causados por gases y partículas dispersas en la atmósfera.	IRMA AURORA ROSAS PEREZ	Presupuesto de la UNAM asignado a la Dependencia	01-01-2013	31-12-2018
2	Exposición a la contaminación por material particulado en la Ciudad de México	IRMA AURORA ROSAS PEREZ	Sector Público (Federal, Estatal o Municipal)	15-11-2016	15-01-2019
3	Respuesta de las interacciones entre contaminantes, nutrientes y microorganismos al tratamiento del agua en los suelos del Valle del Mezquital y su efecto en la dispersión de multidrogoresistencia	CHRISTINA DESIREE SIEBE GRABACH CLAUDIA ALEJANDRA PONCE DE LEON HILL IRMA AURORA ROSAS PEREZ	Recursos PAPIIT	01-01-2021	31-12-2023

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Aislamiento y caracterización de Escherichia coli en agua, suelo y vegetales de una chinampa de Xochimilco, CdMx, México	Tesis de Licenciatura	IRMA AURORA ROSAS PEREZ,	López Delgado, Elizabeth Alejandra,	Centro de Ciencias de la Atmósfera,	2018
2	Detección de factores de virulencia presentes en Aeromonas spp. aisladas de vegetales que se consumen crudos, cultivados en el Lago de Xochimilco, CDMX, México	Tesis de Licenciatura	IRMA AURORA ROSAS PEREZ,	Cruz Martínez, Aline,	Centro de Ciencias de la Atmósfera,	2017
3	Estudio de la tilapia (oreochromis niloticus) como reservorio de aeromonas potencialmente patógenas, en los canales de Xochimilco, D.F., México	Tesis de Licenciatura	IRMA AURORA ROSAS PEREZ,	Mancilla Rojano, Jetsi Viridiana,	Centro de Ciencias de la Atmósfera,	2015
4	Aspectos meteorológicos asociados al aeropolen urbano : Ciudad de México	Tesis de Maestría	IRMA AURORA ROSAS PEREZ,	Ríos Ramos, Blanca Estela,	Centro de Ciencias de la Atmósfera,	2014

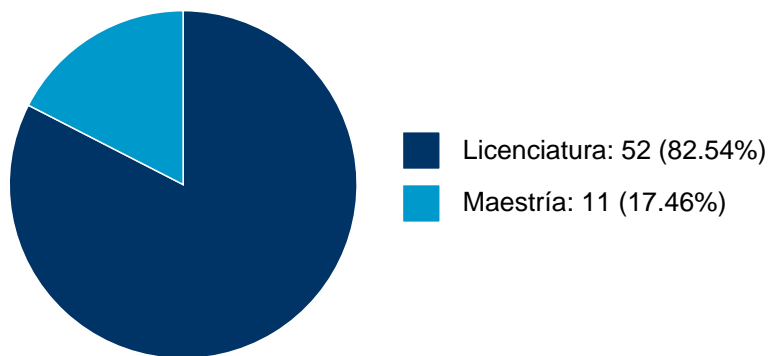


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5	Analisis patogenico y molecular de Echerichia coli aerosolizada de sistemas de tratamiento de aguas residuales de la Ciudad de Mexico	Tesis de Maestría	IRMA AURORA ROSAS PEREZ,	Valdez Zalazar, Hilda Alicia,	2002
6	Determiacion de alteraciones a nivel citologico e histoquimico en Abies religiosa (H.B.K.) Schl et Cham del Desierto de los Leones del D.F. y su relacion con el ozono	Tesis de Maestría	IRMA AURORA ROSAS PEREZ,	Alvarez Camarena, Diana Edith,	1996
7	Caracterizacion biometeorologica en la zona sur de la Ciudad de Mexico y su relacion con las enfermedades respiratorias	Tesis de Maestría	IRMA AURORA ROSAS PEREZ,	Cervantes Perez, Juan,	1993
8	Evaluacion del contenido plomo en Ramalina farinacea [L.] Ach. en el Volcan Ajusco D.F.	Tesis de Maestría	IRMA AURORA ROSAS PEREZ,	Herrera Campos, María de los Ángeles,	1990
9	Influencia de las condiciones atmosfericas sobre la aeromicobiota en una zona suburbana	Tesis de Licenciatura	IRMA AURORA ROSAS PEREZ,	Escamilla García, Beatriz,	1990
10	Evaluacion de la calidad del agua con base en algunos aspectos de la comunidad fitoplanctonica del lago de Patzcuaro, Mich.	Tesis de Licenciatura	IRMA AURORA ROSAS PEREZ,	Velasco Pacheco, Adriana,	1982

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	8	2023-2
2	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	8	2023-1
3	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	3	2022-2
4	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	3	2022-1
5	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	3	2021-2
6	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	1	2021-1
7	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	3	2021-1
8	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	3	2020-2
9	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	2	2020-2
10	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	5	2020-1
11	Maestría	TRABAJO DE INVESTIGACIÓN IV	Facultad de Ciencias	1	2019-2
12	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	6	2019-2
13	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	7	2019-1
14	Maestría	TRABAJO DE INVESTIGACIÓN III	Facultad de Ciencias	1	2019-1
15	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ciencias	1	2018-2
16	Maestría	TRABAJO DE INVESTIGACIÓN II	Facultad de Ciencias	1	2018-2
17	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	3	2018-2
18	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	3	2018-1
19	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ciencias	1	2018-1
20	Maestría	TRABAJO DE INVESTIGACIÓN I	Facultad de Ciencias	1	2018-1
21	Maestría	TRABAJO DE INVESTIGACIÓN II	Facultad de Ciencias	1	2017-2
22	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	2	2017-2
23	Maestría	TRABAJO DE INVESTIGACION I-393753	Facultad de Ciencias	1	2017-1



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24	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	2	2017-1
25	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	3	2017-1
26	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	10	2016-2
27	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	10	2016-1
28	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	11	2015-2
29	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	10	2015-1
30	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	1	2014-2
31	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	8	2014-2
32	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	2	2014-1
33	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	9	2014-1
34	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	1	2013-2
35	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	1	2013-2
36	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Centro de Ciencias de la Atmósfera	1	2013-2
37	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	7	2013-2
38	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	3	2013-1
39	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	8	2013-1
40	Maestría	SEMINARIO DE INVESTIGACION	Centro de Ciencias de la Atmósfera	1	2013-1
41	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	1	2013-1
42	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	1	2012-2
43	Maestría	TEMA SELECTO DE CIENCIAS ATMOSFERICAS	Centro de Ciencias de la Atmósfera	4	2012-2
44	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	4	2012-2
45	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	5	2012-1
46	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	1	2012-1
47	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	7	2011-2
48	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	1	2011-2
49	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	1	2011-2
50	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	7	2011-1
51	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	4	2011-1
52	Licenciatura	TALLER NIVEL I	Facultad de Ciencias	4	2010-2
53	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	3	2009-2
54	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	3	2009-1
55	Licenciatura	BIOLOGIA DE PROCARIONTES	Facultad de Ciencias	20	2009-1
56	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	4	2008-2
57	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	1	2008-2
58	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	1	2008-2
59	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	1	2008-1
60	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	1	2008-1
61	Licenciatura	TALLER NIVEL 2	Facultad de Ciencias	1	2008-1
62	Licenciatura	BIOLOGIA DE PROCARIONTES	Facultad de Ciencias	22	2008-1



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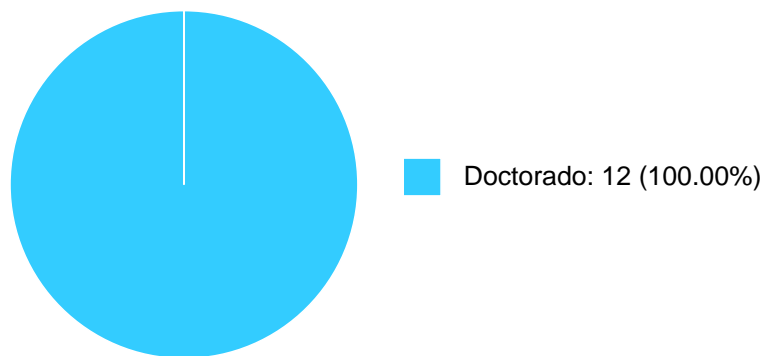
63 Licenciatura TALLER NIVEL I

Facultad de Ciencias

5 2008-1

TUTORIAS EN POSGRADO

Histórico de tutorías en posgrado



#	Entidad	Nivel	Plan de estudios	Año	Semestre
1	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2012	2012-2
2	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2012	2013-1
3	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2012	2012-2
4	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2012	2013-1
5	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2011	2011-2
6	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2011	2012-1
7	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2011	2011-2
8	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2011	2012-1
9	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2010	2010-2
10	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2010	2011-1
11	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2010	2010-2
12	Centro de Ciencias de la Atmósfera	Doctorado	Doctorado en Ciencias de la Tierra	2010	2011-1



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PATENTES

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

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IRMA AURORA ROSAS PEREZ

FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2023
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

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