



## **PATRICIA MUSSALI GALANTE**

### **Datos Generales**

**Nombre:** PATRICIA MUSSALI GALANTE

**Máximo nivel de estudios:** LICENCIATURA

**Antigüedad académica en la UNAM:** 6 años

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### **Nombramientos**

**Último:** TECNICO ACADEMICO ASOCIADO A MT No  
Definitivo  
Facultad de Medicina  
Desde 01-01-2008 (fecha inicial de registros en el  
SIIA) hasta 15-07-2009

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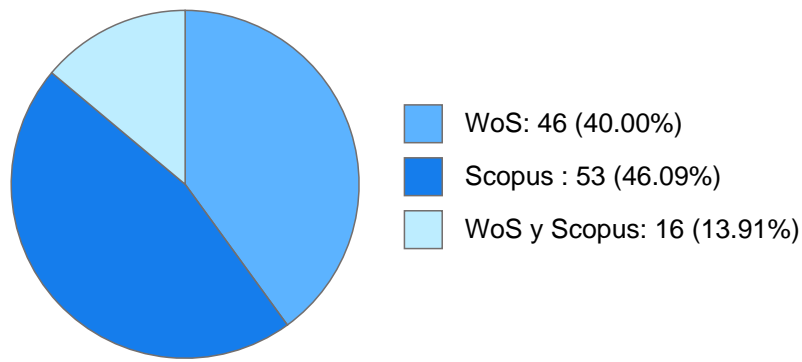
### **Estímulos, programas, premios y reconocimientos**

SNI II 2022 - 2023  
SNI I 2015 - 2021

**PATRICIA MUSSALI GALANTE**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



#	Título	Autores	Revista	Año
1	Metal Bioaccumulation and Assemblage Attributes for Anurans in the Sierra de Huautla Biosphere Reserve, Mexico	PATRICIA MUSSALI GALANTE LETICIA MARGARITA OCHOA OCHOA Chávez-Ramírez E.A. et al.	TROPICAL CONSERVATION SCIENCE	2024
2	The bioaccumulation potential of heavy metals by <i>Gliricidia sepium</i> (Fabaceae) in mine tailings	PATRICIA MUSSALI GALANTE LUZ DE MARIA BRETON DEVAL EFRAIN TOVAR SANCHEZ et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2023
3	<i>Aspergillus luchuensis</i> , an Endophyte Fungus from the Metal Hyperaccumulator Plant <i>Prosopis laevigata</i> , Promotes Its Growth and Increases Metal Translocation	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE Cynthia Margarita Concepcion-Acosta et al.	PLANTS-BASEL	2023
4	Natural Hybridization between <i>Bursera bicolor</i> x <i>B. glabrifolia</i> (Burseraceae) Complex: Molecular and Chemical Evidence	PATRICIA MUSSALI GALANTE Leticia Valencia Cuevas SUSANA VALENCIA AVALOS et al.	Forests	2023
5	Proteomic analysis of <i>Burkholderia zhejiangensis</i> CEIB S4-3 during the methyl parathion degradation process	EFRAIN TOVAR SANCHEZ SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ et al.	PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY	2022

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6	Influence of elevation gradient on Cynipid galls and their associated insect communities: the case of <i>Quercus rugosa</i> (Fagaceae)	PATRICIA MUSSALI GALANTE ALICIA CALLEJAS CHAVERO EFRAIN TOVAR SANCHEZ et al.	ARTHROPOD-PLANT INTERACTIONS	2022
7	Glyphosate pollution treatment and microbial degradation alternatives, a review	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE Castrejón-Godínez M.L. et al.	Microorganisms	2021
8	Transcriptomic analysis of <i>Burkholderia cenocepacia</i> CEIB S5-2 during methyl parathion degradation	SERGIO MANUEL ENCARNACION GUEVARA EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2021
9	Characterization of fungal endophytes isolated from the metal hyperaccumulator plant <i>Vachellia farnesiana</i> growing in mine tailings	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE Salazar-Ramírez G. et al.	Microorganisms	2020
10	Functional analysis of a polluted river microbiome reveals a metabolic potential for bioremediation	LUZ DE MARIA BRETON DEVAL FIDEL ALEJANDRO SANCHEZ FLORES KATY JUAREZ LOPEZ et al.	Microorganisms	2020
11	Metal brain bioaccumulation and neurobehavioral effects on the wild rodent <i>Liomys irroratus</i> inhabiting mine tailing areas	EFRAIN TOVAR SANCHEZ PATRICIA VILLOBOS AGUILERA MARIA SOLEDAD MENDOZA TREJO et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2020
12	Influence of edaphic factors along an altitudinal gradient on a litter arthropod community in an <i>Abies-Quercus</i> forest in Mexico	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ Valencia-Cuevas L. et al.	ACTA OECOLOGICA-INTERNATIONAL JOURNAL OF ECOLOGY	2020
13	Omics Approaches to Pesticide Biodegradation	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ Rodríguez A. et al.	CURRENT MICROBIOLOGY	2020
14	Heavy metal bioaccumulation and morphological changes in <i>Vachellia campechiana</i> (Fabaceae) reveal its potential for phytoextraction of Cr, Cu, and Pb in mine tailings	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ Santoyo-Martínez M. et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2020
15	Species distribution modelling and cpSSR reveal population history of the Neotropical annual herb <i>Tithonia rotundifolia</i> (Asteraceae)	ALFREDO LOPEZ CAAMAL PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ et al.	Plant Biology	2019
16	Transcriptional analysis reveals the metabolic state of <i>Burkholderia zhejiangensis</i> CEIB S4-3 during methyl parathion degradation	SERGIO MANUEL ENCARNACION GUEVARA PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ et al.	PEERJ	2019

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17	Heavy metal biomagnification and genotoxic damage in two trophic levels exposed to mine tailings: A network theory approach	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ Cervantes-Ramírez L.T. et al.	Revista Chilena De Historia Natural	2018
18	Response of Zea mays to multimetal contaminated soils: a multibiomarker approach	EFRAIN TOVAR SANCHEZ SANDRA LUZ GOMEZ ARROYO PATRICIA MUSSALI GALANTE et al.	Ecotoxicology	2018
19	Influence of forest type and host plant genetic relatedness on the canopy arthropod community structure of Quercus crassifolia	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE Martí-Flores E. et al.	Revista Chilena De Historia Natural	2015
20	Effect of host-plant genetic diversity on oak canopy arthropod community structure in central Mexico	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE Valencia-Cuevas L. et al.	Revista Chilena De Historia Natural	2015
21	Hybridization of Quercus castanea (Fagaceae) across a red oak species gradient in Mexico	Leticia ValenciaCuevas PATRICIA MUSSALI GALANTE DANIEL IGNACIO PIÑERO DALMAU et al.	PLANT SYSTEMATICS AND EVOLUTION	2015
22	Morphological variation of Cosmos bipinnatus (Asteraceae) and its relation to abiotic variables in central Mexico	Maribel PaniaguaIbanez ALFREDO LOPEZ CAAMAL PATRICIA MUSSALI GALANTE et al.	Revista Chilena De Historia Natural	2015
23	Genetic structure and diversity of animal populations exposed to metal pollution	PATRICIA MUSSALI GALANTE MAHARA ANGELICA VALVERDE RAMIREZ EMILIO ROJAS DEL CASTILLO et al.	Reviews of Environmental Contamination and Toxicology	2014
24	Penicillium sp. as an organism that degrades endosulfan and reduces its genotoxic effects	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE Romero-Aguilar M. et al.	JOURNAL OF THE KOREAN PHYSICAL SOCIETY	2014
25	Association between individual genetic diversity of two oak host species and canopy arthropod community structure	A. Mendoza PATRICIA MUSSALI GALANTE RIGOBERTO VICENCIO PEREZ RUIZ et al.	EUROPEAN JOURNAL OF FOREST RESEARCH	2013
26	Evidence of population genetic effects in Peromyscus melanophrys chronically exposed to mine tailings in Morelos, Mexico	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ MAHARA ANGELICA VALVERDE RAMIREZ et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2013
27	Transgressive character expression in hybrid zones between the native invasives Tithonia tubaeformis and Tithonia rotundifolia (Asteraceae) in Mexico	ALFREDO LOPEZ CAAMAL PATRICIA MUSSALI GALANTE JAIME JIMENEZ RAMIREZ et al.	PLANT SYSTEMATICS AND EVOLUTION	2013

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28	Biomarkers of exposure for assessing environmental metal pollution: From molecules to ecosystems	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ MAHARA ANGELICA VALVERDE RAMIREZ et al.	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2013
29	Comparison of two wild rodent species as sentinels of environmental contamination by mine tailings	EFRAIN TOVAR SANCHEZ EMILIO ROJAS DEL CASTILLO MAHARA ANGELICA VALVERDE RAMIREZ et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2012
30	Molecular evidence of hybridization in two native invasive species: <i>Tithonia tubaeformis</i> and <i>T. rotundifolia</i> (Asteraceae) in Mexico	PATRICIA MUSSALI GALANTE Tovar-Sanchez, Efrain Rodriguez-Carmona, Fabiola et al.	PLANT SYSTEMATICS AND EVOLUTION	2012
31	Management and its relation to hybridization, clonality and genetic structure of the Mexican palm <i>Brahea dulcis</i>	Rolando Ramirez Rodriguez PATRICIA MUSSALI GALANTE HERMILO JORGE RAMON QUERO RICO et al.	FOREST ECOLOGY AND MANAGEMENT	2012
32	DNA-AP sites generation by Etoposide in whole blood cells	EMILIO ROJAS DEL CASTILLO PATRICIA MUSSALI GALANTE MAHARA ANGELICA VALVERDE RAMIREZ et al.	Bmc Cancer	2009
33	Chloroplast DNA polymorphism reveals geographic structure and introgression in the <i>Quercus crassifolia</i> x <i>Quercus crassipes</i> hybrid complex in Mexico	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE R. Esteban Jimenez et al.	BOTANY	2008
34	Vanadium pentoxide inhalation provokes germinal center hyperplasia and suppressed humoral immune responses	GABRIELA PIÑON ZARATE VIANEY RODRIGUEZ LARA MARCELA ROJAS LEMUS et al.	JOURNAL OF IMMUNOTOXICOLOGY	2008
35	Matrix metalloproteinases 2 and 9 in central nervous system and their modification after vanadium inhalation	LAURA COLIN BARENQUE MARIA GUADALUPE MARTINEZ HERNANDEZ LUIS ARTURO BAIZA GUTMAN et al.	JOURNAL OF APPLIED TOXICOLOGY	2008
36	Spleen and bone marrow megakaryocytes as targets for inhaled vanadium	TERESA IMELDA FORTOUL VANDER GOES GABRIELA PIÑON ZARATE Maria Eugenia Diaz Bech et al.	HISTOLOGY AND HISTOPATHOLOGY	2008
37	Ultrastructural findings in murine seminiferous tubules as a consequence of subchronic vanadium pentoxide inhalation	TERESA IMELDA FORTOUL VANDER GOES MARTHA PATRICIA BIZARRO NEVARES SANDRA ACEVEDO NAVA et al.	REPRODUCTIVE TOXICOLOGY	2007
38	Thrombocytosis induced in mice after subacute and subchronic V 2O5 inhalation	ADRIANA ELIZABETH GONZALEZ VILLALVA TERESA IMELDA FORTOUL VANDER GOES MARIA ROSA DE LOURDES AVILA COSTA et al.	TOXICOLOGY AND INDUSTRIAL HEALTH	2006

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39	Inhaled vanadium pentoxide decrease gamma-tubulin of mouse testes at different exposure times	PATRICIA MUSSALI GALANTE VIANEY RODRIGUEZ LARA BEATRIZ HERNANDEZ TELLEZ et al.	TOXICOLOGY AND INDUSTRIAL HEALTH	2005
40	Inhalation of cadmium, lead or its mixture: Effects on the bronchiolar structure and its relation with metal tissue concentrations	TERESA IMELDA FORTOUL VANDER GOES LILIANA VIRGINIA RAQUEL SALDIVAR Y OSORIO MARIA GUADALUPE ESPEJEL MAYA et al.	ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY	2005
41	Sex differences in bronchiolar epithelium response after the inhalation of lead acetate (Pb)	TERESA IMELDA FORTOUL VANDER GOES SANDRA GUILLERMINA MONCADA HERNANDEZ LILIANA VIRGINIA RAQUEL SALDIVAR Y OSORIO et al.	Toxicology	2005
42	Bromocriptine treatment in a Murine Parkinson's model: Ultrastructural evaluation after dopaminergic deafferentation	MARIA ROSA DE LOURDES AVILA COSTA LAURA COLIN BARENQUE ENRIQUE MONTIEL FLORES et al.	INTERNATIONAL JOURNAL OF NEUROSCIENCE	2005
43	Ependymal epithelium disruption after vanadium pentoxide inhalation: A mice experimental model	MARIA ROSA DE LOURDES AVILA COSTA LAURA COLIN BARENQUE ARMANDO ZEPEDA RODRIGUEZ et al.	NEUROSCIENCE LETTERS	2005
44	DNA damage as an early biomarker of effect in human health	PATRICIA MUSSALI GALANTE MARIA ROSA DE LOURDES AVILA COSTA GABRIELA PIÑÓN ZARATE et al.	TOXICOLOGY AND INDUSTRIAL HEALTH	2005
45	Metal mixture inhalation (Cd-Pb) and its effects on the bronchiolar epithelium. An ultrastructural approach	TERESA IMELDA FORTOUL VANDER GOES MARIA GUADALUPE ESPEJEL MAYA PATRICIA MUSSALI GALANTE et al.	TOXICOLOGY AND INDUSTRIAL HEALTH	2004
46	Genotoxic differences by sex in nasal epithelium and blood leukocytes in subjects residing in a highly polluted area	TERESA IMELDA FORTOUL VANDER GOES MAHARA ANGELICA VALVERDE RAMIREZ MARIA ROSA DE LOURDES AVILA COSTA et al.	ENVIRONMENTAL RESEARCH	2004
47	Nigrostriatal modifications after vanadium inhalation: An immunocytochemical and cytological approach	MARIA ROSA DE LOURDES AVILA COSTA ENRIQUE MONTIEL FLORES LAURA COLIN BARENQUE et al.	NEUROCHEMICAL RESEARCH	2004
48	Pulmonary lymphoid lesions in an experimental model of collapsing glomerulopathy in rats	ARMANDO ZEPEDA RODRIGUEZ MA. VIRGLIA SOTO ABRAHAM PATRICIA MUSSALI GALANTE et al.	HISTOLOGY AND HISTOPATHOLOGY	2004
49	Ultrastructural modifications in the mitochondrion of mouse Sertoli cells after inhalation of lead, cadmium or lead-cadmium mixture	MARTHA PATRICIA BIZARRO NEVARES SANDRA ACEVEDO NAVA PATRICIA MUSSALI GALANTE et al.	REPRODUCTIVE TOXICOLOGY	2003

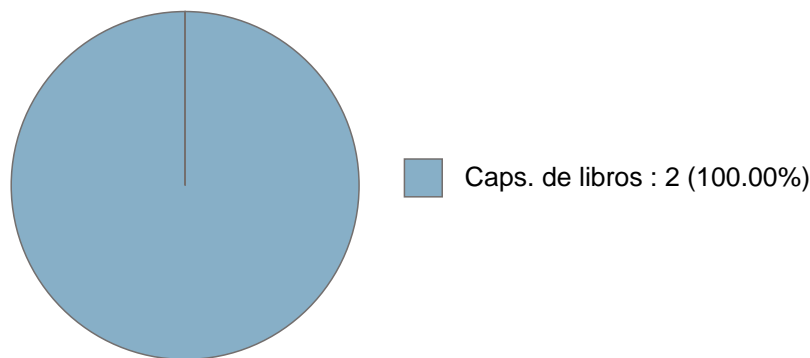
**PATRICIA MUSSALI GALANTE**

50	Nasal cytology and genotoxic damage in nasal epithelium and leukocytes: Asthmatics versus nonasthmatics	TERESA IMELDA FORTOUL VANDER GOES MAHARA ANGELICA VALVERDE RAMIREZ IRMA ELENA LOPEZ MARTINEZ et al.	INTERNATIONAL ARCHIVES OF ALLERGY AND IMMUNOLOGY	2003
51	Morphological, physiological, and genotoxic effects of heavy metal bioaccumulation in Prosopis laevigata reveal its potential for phytoremediation	PATRICIA MUSSALI GALANTE Leticia Valencia Cuevas EFRAIN TOVAR SANCHEZ et al.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	
52	Biosorption of heavy metals on Opuntia fuliginosa and Agave angustifolia fibers for their elimination from water	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ Flores-Trujillo A.K.I. et al.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	
53	Assessing effects of chronic heavy metal exposure through a multibiomarker approach: the case of Liomys irroratus (Rodentia: Heteromyidae)	EFRAIN TOVAR SANCHEZ PATRICIA MUSSALI GALANTE De la Cruz-Guarneros N.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	

**PATRICIA MUSSALI GALANTE**

**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**



#	Título	Autores	Alcance	Año	ISBN
1	Half of Mexico's invasive plant species may be useful for heavy metal phytoremediation	PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ Castillo-Mendoza E. et al.	Capítulo de un Libro	2020	9781536178906
2	Micro and Macro-Morphological Variation of Cosmos bipinnatus and Cosmos bipinnatus var. Albiflorus in Sympatric Zones in Central Mexico	ARMANDO ZEPEDA RODRIGUEZ PATRICIA MUSSALI GALANTE EFRAIN TOVAR SANCHEZ et al.	Capítulo de un Libro	2014	9781631173486





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



**PATRICIA MUSSALI GALANTE**

**PARTICIPACIÓN EN PROYECTOS**

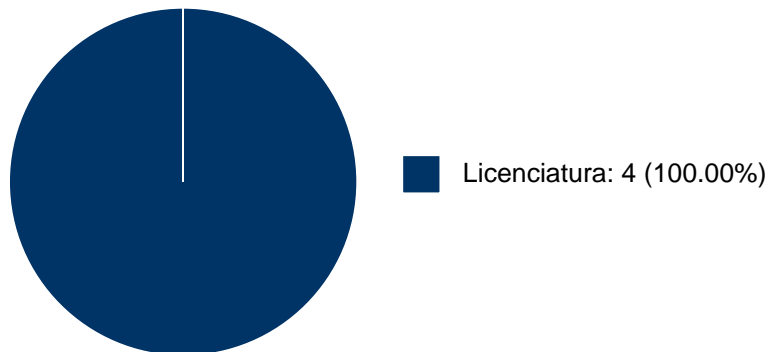
**No se encuentran registros en la base de datos de SISEPRO asociados a:**

**PATRICIA MUSSALI GALANTE**

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**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**

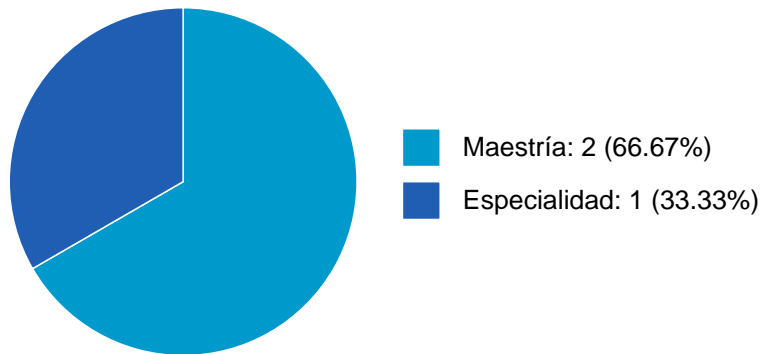


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Evaluación de cambios nucleares en el epitelio bucal de individuos expuestos a metales en el agua de bebida en Huautla, Morelos	Tesis de Licenciatura	PATRICIA MUSSALI GALANTE,	Reyna Rosas, Edgar,	Facultad de Medicina,	2009
2	Evaluación de los efectos genotóxicos de metales presentes en el agua de bebida de la población de Huautla, Morelos	Tesis de Licenciatura	PATRICIA MUSSALI GALANTE,	Martínez Pacheco, Mónica Leticia,	Facultad de Medicina,	2008
3	Efecto del pentóxido de vanadio sobre la gamma-tubulina de células testiculares en un modelo murino de exposición por inhalación	Tesis de Licenciatura	PATRICIA MUSSALI GALANTE,	Rodríguez Lara, Vianey,		2005
4	¿Es el pentóxido de vanadio capaz de inducir efectos apoptóticos en diferentes células testiculares en un modelo murino de exposición por inhalación	Tesis de Licenciatura	PATRICIA MUSSALI GALANTE,	Martínez Levy, Gabriela Ariadna,		2005

**PATRICIA MUSSALI GALANTE**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TRABAJO DE INVESTIGACIÓN III	Instituto de Biotecnología	1	2019-1
2	Maestría	TRABAJO DE INVESTIGACION II	Instituto de Biotecnología	1	2018-2
3	Especialidad	TEMAS SELECTOS MICROSCOPIA ELECTRONICA	Facultad de Ciencias	6	2008-2



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



**PATRICIA MUSSALI GALANTE**

**TUTORIAS EN POSGRADO**

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

**PATRICIA MUSSALI GALANTE**



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



**PATRICIA MUSSALI GALANTE**

**PATENTES**

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

**PATRICIA MUSSALI GALANTE**

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**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	2008-2024
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