



## **VLAD CONSTANTIN MANEA**

### **Datos Generales**

**Nombre:** VLAD CONSTANTIN MANEA

**Máximo nivel de estudios:** POSDOCTORADO

**Antigüedad académica en la UNAM:** 16 años

---

### **Nombramientos**

**Vigente:** INVESTIGADOR TITULAR B TC Definitivo  
Instituto de Geociencias  
Desde 16-04-2024

---

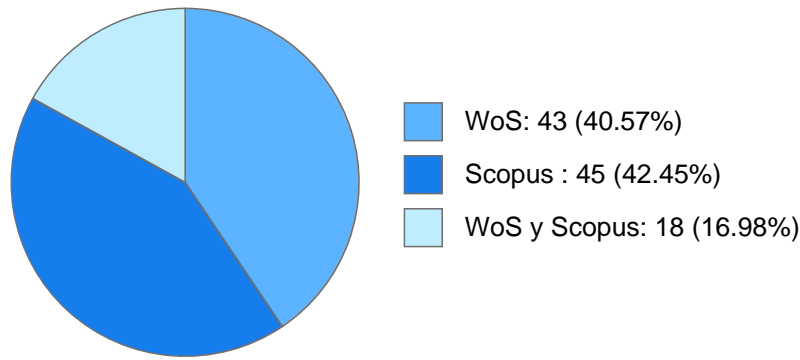
### **Estímulos, programas, premios y reconocimientos**

SNI II 2020 - 2024  
SNI I 2018 - 2019  
SNI I 2009 - 2015  
PRIDE C 2018 - 2024  
PRIDE C 2009 - 2017  
PASPA Estancias de Investigación en el extranjero 2016

## VLAD CONSTANTIN MANEA

### DOCUMENTOS EN REVISTAS

#### Histórico de Documentos



#	Título	Autores	Revista	Año
1	Computational Geodynamics Laboratory: 15 years of numerical modelling and high-performance computing at the Centro de Geociencias, Universidad Nacional Autónoma de México	MARINA MANEA VLAD CONSTANTIN MANEA	REVISTA MEXICANA DE CIENCIAS GEOLOGICAS	2024
2	Finite element software for calculating fluid flow and heat transport for seamounts	VLAD CONSTANTIN MANEA MARINA MANEA E. G. Sewell et al.	ENVIRONMENTAL MODELLING & SOFTWARE	2024
3	Unraveling the Geodynamic Evolution of the Pre- and Early-Andean Margin: Insights From Numerical Modeling	VLAD CONSTANTIN MANEA Arvizu H. Oliveros V. et al.	GEOPHYSICAL RESEARCH LETTERS	2024
4	Numerical modeling of subduction and evaluation of Philippine Sea Plate tectonic history along the Nankai Trough	VLAD CONSTANTIN MANEA MARINA MANEA Moreno E.J. et al.	SCIENTIFIC REPORTS	2023
5	The geodynamic origin of Los Hornos volcanic field in Mexico: insights from numerical simulations	VLAD CONSTANTIN MANEA MARINA MANEA Bayona A. et al.	SCIENTIFIC REPORTS	2023

## VLAD CONSTANTIN MANEA

6	Numerical models for slab tearing beneath southern Mexico and northern Central America	VLAD CONSTANTIN MANEA Nava Lara S.V.	JOURNAL OF SOUTH AMERICAN EARTH SCIENCES	2022
7	Interplate Coupling and Seismic Potential in the Atacama Seismic Gap (Chile): Dismissing a Rigid Andean Sliver	MARINA MANEA VLAD CONSTANTIN MANEA Yáñez-Cuadra V. et al.	GEOPHYSICAL RESEARCH LETTERS	2022
8	The role of microporosity on the permeability of volcanic-hosted geothermal reservoirs: A case study from Los Humeros, Mexico	GERARDO CARRASCO NUÑEZ VLAD CONSTANTIN MANEA Hector Eduardo Cid et al.	Geothermics	2021
9	InSAR surface deformation and numeric modeling unravel an active salt diapir in southern Romania	VLAD CONSTANTIN MANEA MARINA MANEA Armas I. et al.	SCIENTIFIC REPORTS	2021
10	Solving the Laplace Tidal Equations using Freely Available, Easily Extensible Finite Element Software	VLAD CONSTANTIN MANEA E. G. Sewell	COMPUTERS & GEOSCIENCES	2021
11	High He-3/He-4 in central Panama reveals a distal connection to the Galapagos plume	VLAD CONSTANTIN MANEA V Bekaert Esteban Gazel et al.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2021
12	Editorial: Unusual Subduction Processes	VLAD CONSTANTIN MANEA MARINA MANEA Chen M. et al.	Frontiers In Earth Science	2020
13	Genesis of Intermediate-Depth and Deep Intraslab Earthquakes beneath Japan Constrained by Seismic Tomography, Seismicity, and Thermal Modeling	VLAD CONSTANTIN MANEA Chen M. Niu F. et al.	GEOPHYSICAL RESEARCH LETTERS	2019
14	Subduction thermal structure, metamorphism and seismicity beneath north-central Chile	VLAD CONSTANTIN MANEA MARINA MANEA Ji Y. et al.	JOURNAL OF GEODYNAMICS	2019
15	Delamination of sub-crustal lithosphere beneath the Isthmus of Tehuantepec, Mexico: Insights from numeric modelling	MARINA MANEA VLAD CONSTANTIN MANEA LUCA FERRARI et al.	JOURNAL OF GEODYNAMICS	2019
16	Two-Dimensional Thermal Modeling of the Philippine Sea Plate Subduction in Central Japan: Implications for Gap of Low-Frequency Earthquakes and Tectonic Tremors	VLAD CONSTANTIN MANEA MARINA MANEA Suenaga N. et al.	Journal Of Geophysical Research-Solid Earth	2019

## VLAD CONSTANTIN MANEA

17	Deep embrittlement and complete rupture of the lithosphere during the M-w 8.2 Tehuantepec earthquake	ANGEL RUIZ ANGULO MARINA MANEA VLAD CONSTANTIN MANEA et al.	NATURE GEOSCIENCE	2018
18	Improved method for effective rock microporosity estimation using X-ray microtomography	GERARDO CARRASCO NUÑEZ VLAD CONSTANTIN MANEA Cid, H. E.	Micron	2017
19	Seismogenesis of dual subduction beneath Kanto, central Japan controlled by fluid release	VLAD CONSTANTIN MANEA MARINA MANEA Yingfeng Ji et al.	SCIENTIFIC REPORTS	2017
20	Slab mantle dehydrates beneath Kamchatka Yet recycles water into the deep mantle	VLAD CONSTANTIN MANEA Konrad-Schmolke, Matthias Halama, Ralf	GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS	2016
21	Subduction of fracture zones controls mantle melting and geochemical signature above slabs	VLAD CONSTANTIN MANEA MARINA MANEA Leeman, William P. et al.	NATURE COMMUNICATIONS	2014
22	A geodynamical perspective on the subduction of Cocos and Rivera plates beneath Mexico and Central America	VLAD CONSTANTIN MANEA MARINA MANEA LUCA FERRARI	Tectonophysics	2013
23	Chilean flat slab subduction controlled by overriding plate thickness and trench rollback	VLAD CONSTANTIN MANEA MARINA MANEA Perez-Gussinye, Marta	Geology	2012
24	The dynamic history of the Trans-Mexican Volcanic Belt and the Mexico subduction zone	LUCA FERRARI MA. TERESA OROZCO ESQUIVEL VLAD CONSTANTIN MANEA et al.	Tectonophysics	2012
25	Fault kinematics in northern Central America and coupling along the subduction interface of the Cocos Plate, from GPS data in Chiapas (Mexico), Guatemala and El Salvador	VLADIMIR KOSTOGLODOV MARCO GUZMAN SPEZIALE JOSE ANTONIO SANTIAGO SANTIAGO et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	2012
26	Plate tectonic reconstructions with continuously closing plates	VLAD CONSTANTIN MANEA Gurnis M. Turner M. et al.	COMPUTERS & GEOSCIENCES	2012
27	Flat-Slab Thermal Structure and Evolution Beneath Central Mexico	VLAD CONSTANTIN MANEA MARINA MANEA	PURE AND APPLIED GEOPHYSICS	2011
28	Curie Point Depth Estimates and Correlation with Subduction in Mexico	MARINA MANEA VLAD CONSTANTIN MANEA	PURE AND APPLIED GEOPHYSICS	2011
29	The importance of digital elevation model resolution on granular flow simulations: a test case for Colima volcano using TITAN2D computational routine	LUCIA CAPRA PEDOL VLAD CONSTANTIN MANEA MARINA MANEA et al.	NATURAL HAZARDS	2011

## VLAD CONSTANTIN MANEA

30	On the geochronological method versus flow simulation software application for lahar risk mapping: A case study of popocatepetl volcano, Mexico	VLAD CONSTANTIN MANEA MARINA MANEA Munoz-Salinas, Esperanza et al.	GEOGRAFISKA ANNALER SERIES A-PHYSICAL GEOGRAPHY	2010
31	Lahar flow simulations using LAHARZ program: Application for the Popocatepetl volcano, Mexico	VLAD CONSTANTIN MANEA MARINA MANEA Munoz-Salinas, E. et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2009
32	Subduction-related Volatile Recycling and Magma Generation beneath Central Mexico: Insights from Melt Inclusions, Oxygen Isotopes and Geodynamic Models	HUGO DELGADO GRANADOS VLAD CONSTANTIN MANEA Johnson, Emily R. et al.	JOURNAL OF PETROLOGY	2009
33	The influence of plume head-lithosphere interaction on magmatism associated with the Yellowstone hotspot track	VLAD CONSTANTIN MANEA MARINA MANEA Leeman, W. P. et al.	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2009
34	State-of-the-art geodynamic modeling of subduction zones: From slab edges to flat and steep slabs	VLAD CONSTANTIN MANEA MARINA MANEA	GEOCHIMICA ET COSMOCHIMICA ACTA	2008
35	Mantle temperature control on composition of arc magmas along the Central Kamchatka Depression	VLAD CONSTANTIN MANEA Portnyagin, Maxim	Geology	2008
36	On the origin of El Chichon volcano and subduction of Tehuantepec Ridge: A geodynamical perspective	MARINA MANEA VLAD CONSTANTIN MANEA	JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH	2008
37	Estimation of lahar flow velocity on Popocatepetl volcano (Mexico)	ESPERANZA MUÑOZ SALINAS VLAD CONSTANTIN MANEA Palacios D. et al.	GEOMORPHOLOGY	2007
38	Subduction zone evolution and low viscosity wedges and channels	VLAD CONSTANTIN MANEA Gurnis M.	EARTH AND PLANETARY SCIENCE LETTERS	2007
39	Origin of the modern Chiapanecan Volcanic arc in southern México inferred from thermal models	VLAD CONSTANTIN MANEA MARINA MANEA	Geological Society of America Special Papers	2006

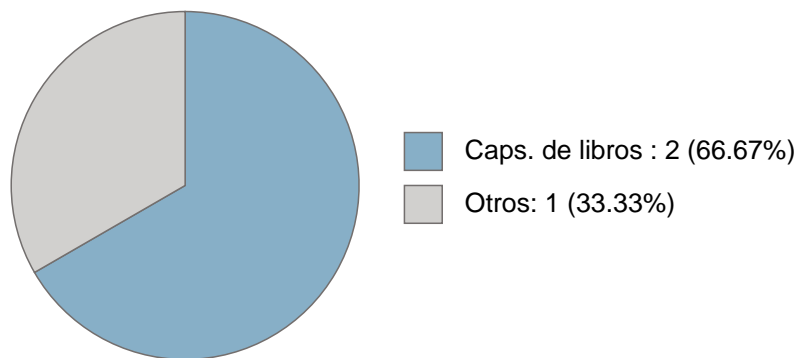
## VLAD CONSTANTIN MANEA

40	Intraslab seismicity and thermal stress in the subducted Cocos plate beneath central Mexico	VLAD CONSTANTIN MANEA MARINA MANEA VLADIMIR KOSTOGLODOV et al.	Tectonophysics	2006
41	Propagation of the 2001-2002 silent earthquake and interplate coupling in the Oaxaca subduction zone, Mexico	SARA IVONNE FRANCO SANCHEZ VLADIMIR KOSTOGLODOV VLAD CONSTANTIN MANEA et al.	EARTH PLANETS AND SPACE	2005
42	Thermal models, magma transport, and velocity anomaly estimation beneath southern Kamchatka	VLAD CONSTANTIN MANEA MARINA MANEA VLADIMIR KOSTOGLODOV et al.	Geological Society of America Special Papers	2005
43	Tectonic evolution of the Tehuantepec Ridge	MARINA MANEA VLAD CONSTANTIN MANEA LUCA FERRARI et al.	EARTH AND PLANETARY SCIENCE LETTERS	2005
44	Thermo-mechanical model of the mantle wedge in Central Mexican subduction zone and a blob tracing approach for the magma transport	VLAD CONSTANTIN MANEA MARINA MANEA VLADIMIR KOSTOGLODOV et al.	PHYSICS OF THE EARTH AND PLANETARY INTERIORS	2005
45	Elastic thickness of the oceanic lithosphere beneath Tehuantepec ridge	MARINA MANEA VLAD CONSTANTIN MANEA VLADIMIR KOSTOGLODOV et al.	GEOFISICA INTERNACIONAL	2005
46	Thermal structure, coupling and metamorphism in the Mexican subduction zone beneath Guerrero	VLAD CONSTANTIN MANEA MARINA MANEA VLADIMIR KOSTOGLODOV et al.	GEOPHYSICAL JOURNAL INTERNATIONAL	2004

## VLAD CONSTANTIN MANEA

### LIBROS Y CAPITULOS CON ISBN

#### Obras con registro ISBN

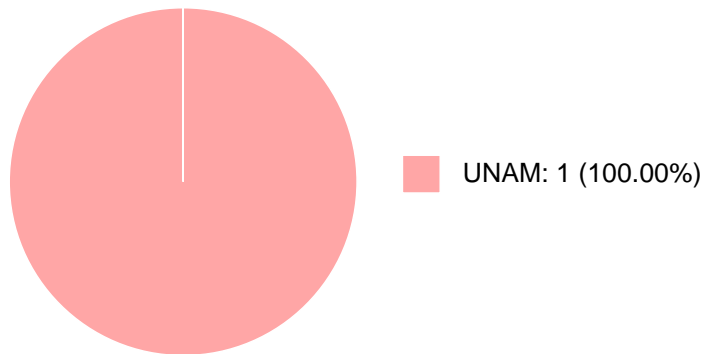


#	Título	Autores	Alcance	Año	ISBN
1	I. A GLIMPSE OF POROUS MEDIA: TROVANTS: THE ?LIVING? STONES OF ROMANIA FORMED AS HIGH POROSITY SPHERICAL SANDSTONE CONCRETIONS DEVELOPED AROUND A FOSSIL	VLAD CONSTANTIN MANEA DANTE ARTEAGA MARTINEZ MARINA MANEA et al.	Capítulo de un Libro	2023	9783031238000
2	Vrancea seismic zone as an unstable triple junction: New evidence from observations and numerical modelling	VLAD CONSTANTIN MANEA Besutiu L. Pomeran M.	Conferenc e Paper	2017	9789462822368
3	Thermal Models Beneath Kamchatka and the Pacific Plate Rejuvenation from a Mantle Plume Impact	VLAD CONSTANTIN MANEA MARINA MANEA	Capítulo de un Libro	2013	9781118666371

**VLAD CONSTANTIN MANEA**

**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Geodinámica computacional.	VLAD CONSTANTIN MANEA	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2021





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



**VLAD CONSTANTIN MANEA**

**PARTICIPACIÓN EN TESIS**

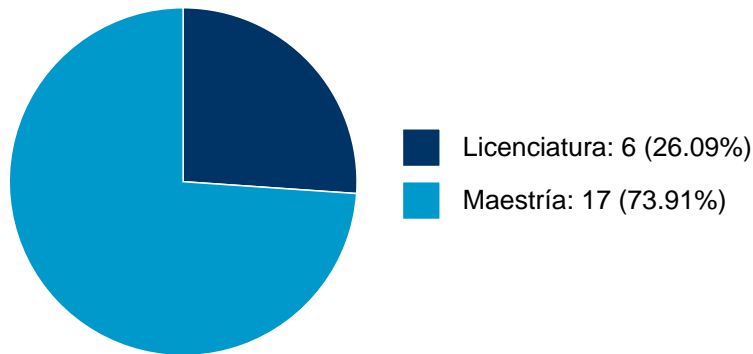
**No se encuentran registros en la base de datos de TESIUNAM asociados a:**

**VLAD CONSTANTIN MANEA**

## VLAD CONSTANTIN MANEA

### DOCENCIA IMPARTIDA

#### Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	FUNDAMENTOS DE MEDIOS CONTINUOS	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURIQUILLA, QRTO.	13	2024-2
2	Licenciatura	COMPUTACION III	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURIQUILLA, QRTO.	16	2024-1
3	Maestría	GEODINÁMICA	Centro de Geociencias en Juriquilla, Querétaro	1	2023-1
4	Maestría	GEODINÁMICA	Instituto de Geofísica	2	2023-1
5	Maestría	GEODINÁMICA	Instituto de Geofísica	2	2022-1
6	Maestría	GEODINÁMICA	Centro de Geociencias en Juriquilla, Querétaro	3	2021-1
7	Maestría	ACTIVIDAD ACADÉMICA PARA LA OBTENCIÓN DEL GRADO	Centro de Geociencias en Juriquilla, Querétaro	1	2020-2
8	Maestría	GEODINÁMICA	Centro de Geociencias en Juriquilla, Querétaro	1	2020-1
9	Maestría	SEMINARIO DE INVESTIGACIÓN	Centro de Geociencias en Juriquilla, Querétaro	1	2020-1
10	Maestría	GEODINÁMICA	Centro de Geociencias en Juriquilla, Querétaro	9	2019-1
11	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Centro de Geociencias en Juriquilla, Querétaro	1	2018-1

**VLAD CONSTANTIN MANEA**

12	Maestría	SEMINARIO DE INVESTIGACIÓN	Centro de Geociencias en Juriquilla, Querétaro	1	2017-2
13	Licenciatura	INTRODUC.A LA GEODINAMICA	Facultad de Ciencias	27	2017-1
14	Maestría	ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO	Centro de Geociencias en Juriquilla, Querétaro	1	2015-2
15	Licenciatura	INTRODUC.A LA GEODINAMICA	Facultad de Ciencias	18	2015-1
16	Maestría	SEMINARIO DE INVESTIGACION	Centro de Geociencias en Juriquilla, Querétaro	1	2015-1
17	Licenciatura	INTRODUC.A LA GEODINAMICA	Facultad de Ciencias	14	2014-1
18	Licenciatura	INTRODUC.A LA GEODINAMICA	Facultad de Ciencias	9	2013-1
19	Maestría	TECTONICA DE PLACAS	Centro de Geociencias en Juriquilla, Querétaro	4	2012-1
20	Maestría	TECTONICA DE PLACAS	Centro de Geociencias en Juriquilla, Querétaro	7	2011-1
21	Maestría	GEODINAMICA	Centro de Geociencias en Juriquilla, Querétaro	6	2010-1
22	Maestría	SEMINARIO DE INVESTIGACION	Centro de Geociencias en Juriquilla, Querétaro	1	2009-2
23	Maestría	TEMA SELECTO	Centro de Geociencias en Juriquilla, Querétaro	7	2009-1



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



**VLAD CONSTANTIN MANEA**

**PATENTES**

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

**VLAD CONSTANTIN MANEA**

**VLAD CONSTANTIN MANEA**

**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	2008-2024
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