



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



**MARCELO RODRIGO PACE**

## Datos Generales

**Nombre:** MARCELO RODRIGO PACE

**Máximo nivel de estudios:** DOCTORADO

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

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## Nombramientos

**Vigente:** INVESTIGADOR TITULAR A TC Definitivo  
Instituto de Biología  
Desde 01-01-2024

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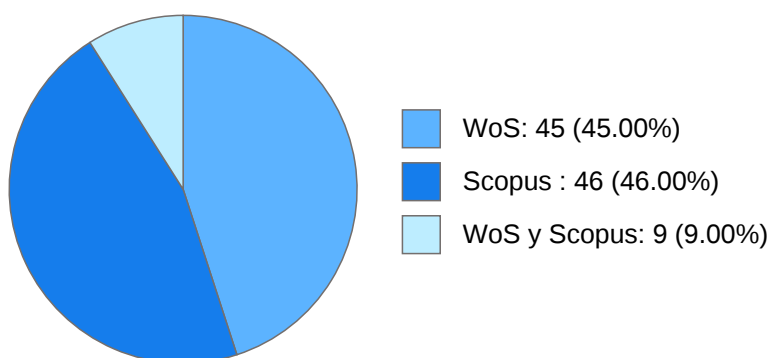
## Estímulos, programas, premios y reconocimientos

SNI I 2020 - VIGENTE  
PRIDE C 2024  
EQUIVALENCIA PRIDE B 2018 - 2023

**MARCELO RODRIGO PACE**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



| # | Título                                                                                                                                              | Autores                                                                    | Revista                                            | Año  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|------|
| 1 | Untangling Indian Hemp: Identifying Woodlands Bast Fibers in Collections                                                                            | MARCELO RODRIGO PACE Nora Frankel Susan Heald et al.                       | Journal of The American Institute for Conservation | 2024 |
| 2 | Vessel element morphology of Allagoptera campestris (Mart.) Kuntze (Arecaceae) belowground organs affected by growing conditions                    | MARCELO RODRIGO PACE Appezzato-DA-Glória B. Souza D.D.S. et al.            | Anais Da Academia Brasileira De Ciencias           | 2024 |
| 3 | ?Plant Phylogeny Posters? (PPP) disponibles en español ? una colección de recursos educativos en botánica sistemática libremente accesible en línea | LAURA CALVILLO CANADELL MARCELO RODRIGO PACE Medan D. et al.               | ACTA BOTANICA MEXICANA                             | 2024 |
| 4 | Anatomical conservatism in the wood and bark of the species-rich Byrsonimoid clade (Malpighiaceae)                                                  | BRENDA HERNANDEZ HERNANDEZ MARCELO RODRIGO PACE Luis Henrique Bueno et al. | BOTANICAL JOURNAL OF THE LINNEAN SOCIETY           | 2024 |
| 5 | Morphoanatomy and evolution of the bracteole and sepal glands of the Amazonian genus Lophanthera A. Juss. (Galpimioid clade)                        | MARCELO RODRIGO PACE Miller Melo Sanches Isabel Reis Guesdon et al.        | BOTANICAL JOURNAL OF THE LINNEAN SOCIETY           | 2024 |

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|    |                                                                                                                                        |                                                                                     |                                                   |      |
|----|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------|------|
| 6  | Sweet potato, morning glories, bindweeds: an overview of Convolvulaceae                                                                | GUILLERMO HUERTA RAMOS<br>MARCELO RODRIGO PACE Simões<br>A.R.G. et al.              | Rheedeia                                          | 2024 |
| 7  | Ontogeny of interxylary phloem and stem anatomy of the Cuban endemic Henleophytum (Malpighiaceae)                                      | ANGELICA QUINTANAR CASTILLO<br>MARCELO RODRIGO PACE González<br>Gutiérrez P.A.      | FLORA                                             | 2024 |
| 8  | Tributes to Sherwin Carlquist                                                                                                          | MARCELO RODRIGO PACE Mark E.<br>Olson                                               | IAWA JOURNAL                                      | 2023 |
| 9  | Bark wings are related to the primary vascular system: the case of Piptadenia gonoacantha (Leguminosae)                                | MARCELO RODRIGO PACE Felipe A.<br>Teixeira Caian S. Gerolamo et al.                 | BOTANICAL<br>JOURNAL OF<br>THE LINNEAN<br>SOCIETY | 2023 |
| 10 | Wood and bark anatomy of the charismatic Wisteria vines (Leguminosae)                                                                  | MARCELO RODRIGO PACE Nejapa R.                                                      | IAWA JOURNAL                                      | 2023 |
| 11 | The vulnerability to drought-induced embolism-conduit diameter link: breaching the anatomy-physiology divide                           | MARK EARL OLSON MARCELO<br>RODRIGO PACE Anfodillo T.                                | IAWA JOURNAL                                      | 2023 |
| 12 | Water availability influences both wood anatomy and laticifer density in rubber tree saplings                                          | MARCELO RODRIGO PACE Nery<br>Í.R.A.M. Vergilio P.C.B. et al.                        | FLORA                                             | 2023 |
| 13 | Priorities for Bark Anatomical Research: Study Venues and Open Questions                                                               | MARCELO RODRIGO PACE JULIETA<br>ALEJANDRA ROSELL GARCIA Shtein I.<br>et al.         | PLANTS-BASEL                                      | 2023 |
| 14 | Seasonal Cambial Activity and Formation of Secondary Phloem and Xylem in White Oaks (Quercus alba L.)                                  | MARCELO RODRIGO PACE Dutra R.<br>Marcati C.R. et al.                                | Forests                                           | 2023 |
| 15 | Bark anatomy of lianescent Bignoniaceae: a generic synopsis                                                                            | MARCELO RODRIGO PACE Marcati<br>C.R. Lohmann L.G. et al.                            | Adansonia                                         | 2023 |
| 16 | A global review on wood growth rings in lianas                                                                                         | MARCELO RODRIGO PACE Brandes<br>A.F.D.N. Rizzieri Y.C. et al.                       | Dendrochronol<br>ogia                             | 2022 |
| 17 | Linking the evolution of development of stem vascular system in Nyctaginaceae and its correlation to habit and species diversification | MARCELO RODRIGO PACE RODRIGO<br>JESUS HERNANDEZ GUTIERREZ Cunha<br>Neto I.L. et al. | EvoDevo                                           | 2022 |
| 18 | The wood anatomy of Sapindales: diversity and evolution of wood characters                                                             | MARCELO RODRIGO PACE TERESA<br>MARGARITA TERRAZAS SALGADO<br>Gerolamo C.S. et al.   | BRAZILIAN<br>JOURNAL OF<br>BOTANY                 | 2022 |
| 19 | Phloem wedges in Malpighiaceae: origin, structure, diversification, and systematic relevance                                           | MARCELO RODRIGO PACE Angelica<br>Quintanar-Castillo                                 | EvoDevo                                           | 2022 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------|------|
| 20 | Cortical origin of the successive cambia in the stems of the charismatic temperate lianescent genus <i>Wisteria</i> (Fabaceae) and its systematic importance | MARCELO RODRIGO PACE Nejapa R. Cabanillas P.A.                                       | BOTANICAL JOURNAL OF THE LINNEAN SOCIETY | 2022 |
| 21 | Diameters of phloem sieve elements can predict stem growth rates of woody plants                                                                             | MARCELO RODRIGO PACE Yunjia Tang Shijiao Yin et al.                                  | TREE PHYSIOLOGY                          | 2022 |
| 22 | Phloem development, growth markers, and sieve-tube longevity in two neotropical trees                                                                        | MARCELO RODRIGO PACE Angyalossy V. Marcati C.R. et al.                               | IAWA JOURNAL                             | 2021 |
| 23 | PHYLOGENETIC PLACEMENT OF ENIGMATIC <i>ASTIANTHUS</i> (BIGNONIACEAE) BASED ON MOLECULAR DATA, WOOD AND BARK ANATOMY                                          | MARCELO RODRIGO PACE BRENDA HERNANDEZ HERNANDEZ ESTEBAN MANUEL MARTINEZ SALAS et al. | Botanical Sciences                       | 2021 |
| 24 | Polishing entire stems and roots using sandpaper under water: An alternative method for macroscopic analyses                                                 | MARCELO RODRIGO PACE Barbosa A.C.F. Gerolamo C.S. et al.                             | APPLICATIONS IN PLANT SCIENCES           | 2021 |
| 25 | A New Interpretation of the Successive Cambia of Some Nyctaginaceae as Interxylary Phloem                                                                    | MARCELO RODRIGO PACE Israel L. Cunha Neto Veronica Angyalossy                        | INTERNATIONAL JOURNAL OF PLANT SCIENCES  | 2021 |
| 26 | The "Lianescent Vascular Syndrome" statistically supported in a comparative study of trees and lianas of Fabaceae subfamily Papilionoideae                   | MARCELO RODRIGO PACE Claudia Luizon Dias Leme Veronica Angyalossy                    | BOTANICAL JOURNAL OF THE LINNEAN SOCIETY | 2021 |
| 27 | The role of ontogeny in wood diversity and evolution                                                                                                         | MARCELO RODRIGO PACE Joyce G. Onyenedum                                              | AMERICAN JOURNAL OF BOTANY               | 2021 |
| 28 | Ontogeny, anatomical structure and function of lobed stems in the evolution of the climbing growth form in Malvaceae ( <i>Byttneria</i> Loefl.)              | MARCELO RODRIGO PACE Lorena Luna-Marquez V Sharber et al.                            | ANNALS OF BOTANY                         | 2021 |
| 29 | Modifications during Early Plant Development Promote the Evolution of Nature's Most Complex Woods                                                            | MARCELO RODRIGO PACE Joyce G. Chery Pedro Acevedo-Rodriguez et al.                   | CURRENT BIOLOGY                          | 2020 |
| 30 | <i>Aspidosperma flaviflorum</i> (Apocynaceae), a New Species from Mato Grosso do Sul, Brazil, with Notes on Wood Anatomy                                     | MARCELO RODRIGO PACE David Johane Machate Flavio Macedo Alves et al.                 | SYSTEMATIC BOTANY                        | 2020 |
| 31 | Diversity, distribution, development, and evolution of medullary bundles in Nyctaginaceae                                                                    | MARCELO RODRIGO PACE Israel L. da Cunha Neto Norman A. Douglas et al.                | AMERICAN JOURNAL OF BOTANY               | 2020 |

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|    |                                                                                                                                                                                                                               |                                                                    |                                          |      |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------|------|
| 32 | Wood anatomy of the neotropical liana lineage Paullinia L. (Sapindaceae)                                                                                                                                                      | MARCELO RODRIGO PACE Joyce G. Chery Israel L. da Cunha Neto et al. | IAWA JOURNAL                             | 2020 |
| 33 | Interspecific anatomical differences result in similar highly flexible stems in Bignoniaceae lianas                                                                                                                           | MARCELO RODRIGO PACE Caian S. Gerolamo Anselmo Nogueira et al.     | AMERICAN JOURNAL OF BOTANY               | 2020 |
| 34 | Optimal Preparation of Tissue Sections for Light-Microscopic Analysis of Phloem Anatomy                                                                                                                                       | MARCELO RODRIGO PACE                                               | Methods in Molecular Biology             | 2019 |
| 35 | First report of laticifers in lianas of Malpighiaceae and their phylogenetic implications                                                                                                                                     | MARCELO RODRIGO PACE Cunha Neto I.L. Santos-Silva L.N.N. et al.    | AMERICAN JOURNAL OF BOTANY               | 2019 |
| 36 | Leaf anatomical characters of Rhabdadenia (Rhabdadenieae, Apocynaceae), their taxonomic implications, and notes on the presence of articulated laticifers in the genus                                                        | MARCELO RODRIGO PACE Pirolla-Souza A. O. Arruda R.C. et al.        | PLANT SYSTEMATICS AND EVOLUTION          | 2019 |
| 37 | Structure and ontogeny of successive cambia in Tetrastigma (Vitaceae), the host plants of Rafflesiaceae                                                                                                                       | MARCELO RODRIGO PACE Angyalossy V. Acevedo-Rodríguez P. et al.     | JOURNAL OF SYSTEMATICS AND EVOLUTION     | 2018 |
| 38 | The first record of fossil Vitaceae wood from the Southern Hemisphere, a new combination for Vitaceoxylon ramunculiformis, and reappraisal of the fossil record of the grape family (Vitaceae) from the Cenozoic of Australia | MARCELO RODRIGO PACE Rozefelds A.C.                                | JOURNAL OF SYSTEMATICS AND EVOLUTION     | 2018 |
| 39 | Structure and ontogeny of the fissured stems of Callaeum (Malpighiaceae)                                                                                                                                                      | MARCELO RODRIGO PACE Cabanillas P.A. Angyalossy V.                 | IAWA JOURNAL                             | 2017 |
| 40 | A new Heteropteris (Malpighiaceae) from semideciduous forest, with notes on wood anatomy                                                                                                                                      | MARCELO RODRIGO PACE Amorim A.M. Marinho L.C. et al.               | PLANT SYSTEMATICS AND EVOLUTION          | 2017 |
| 41 | Leaf morphoanatomy of Araujia and Morrenia (Asclepiadoideae, Apocynaceae): Phylogenetic implications and species key                                                                                                          | MARCELO RODRIGO PACE Carvalho R. Pellissari L.C.O. et al.          | BOTANICAL JOURNAL OF THE LINNEAN SOCIETY | 2017 |
| 42 | Height-related scaling of phloem anatomy and the evolution of sieve element end wall types in woody plants                                                                                                                    | MARCELO RODRIGO PACE Liesche J. Xu Q. et al.                       | NEW PHYTOLOGIST                          | 2017 |
| 43 | Phylogenetic relationships of enigmatic Sphingiphila (Bignoniaceae) based on molecular and wood anatomical data                                                                                                               | MARCELO RODRIGO PACE Zuntini A.R. Lohmann L.G. et al.              | Taxon                                    | 2016 |

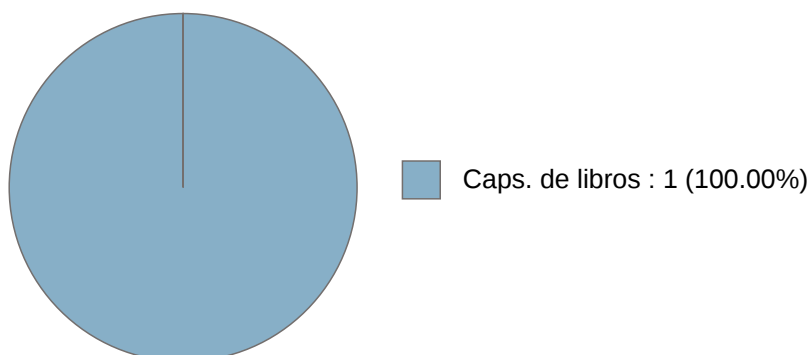
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|----|----------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|------|
| 44 | Wood anatomy of major Bignoniaceae clades                                              | MARCELO RODRIGO PACE Lohmann L.G. Olmstead R.G. et al. | PLANT SYSTEMATICS AND EVOLUTION         | 2015 |
| 45 | Secondary phloem diversity and evolution in Bignoniaceae (Bignoniaceae)                | MARCELO RODRIGO PACE Alcantara S. Lohmann L.G. et al.  | ANNALS OF BOTANY                        | 2015 |
| 46 | Wood anatomy and evolution: A case study in the Bignoniaceae                           | MARCELO RODRIGO PACE Angyalossy V.                     | INTERNATIONAL JOURNAL OF PLANT SCIENCES | 2013 |
| 47 | An overview of the anatomy, development and evolution of the vascular system of lianas | MARCELO RODRIGO PACE Angyalossy V. Angeles G. et al.   | PLANT ECOLOGY & DIVERSITY               | 2012 |

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**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**

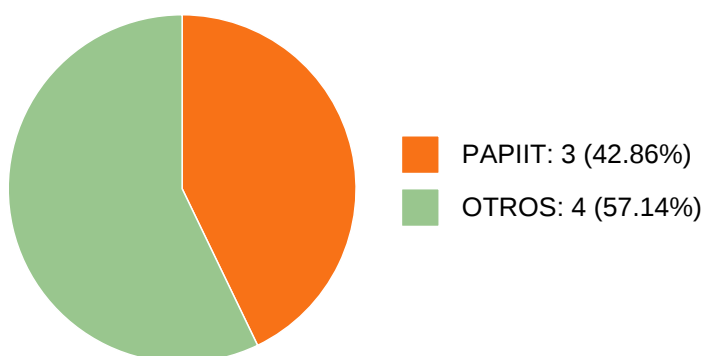


| # | Título                                                                            | Autores                                      | Alcance              | Año  | ISBN          |
|---|-----------------------------------------------------------------------------------|----------------------------------------------|----------------------|------|---------------|
| 1 | Liana anatomy: a broad perspective on structural evolution of the vascular system | MARCELO RODRIGO PACE Angyalossy V. Lima A.C. | Capítulo de un Libro | 2014 | 9781118392409 |

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**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**



| # | Nombre                                                                                                                                                                                              | Participantes        | Fuente                                                          | Fecha inicio | Fecha fin  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------|--------------|------------|
| 1 | Variantes cambiales en Malpighiaceae: estructura, desarrollo, evolución y diversificación.                                                                                                          | MARCELO RODRIGO PACE | Recursos PAPIIT                                                 | 01-01-2019   | 31-12-2020 |
| 2 | Aprofundando Abordagens Biogeográficas, Filogenéticas e Morfo-Taxonómicas em Malpighiales.                                                                                                          | MARCELO RODRIGO PACE | Sector Público (Federal, Estatal o Municipal)                   | 01-03-2019   | 31-12-2023 |
| 3 | Lacunas em Malpighiaceae: formando taxonomists nos lados "Chrysobalanoids" e "Malpighioids".                                                                                                        | MARCELO RODRIGO PACE | Universidades, Centros, Institutos u Organismos Internacionales | 01-03-2016   | 31-12-2023 |
| 4 | Colección de muestras de maderas de Swietenia humilis (Meliaceae) en el sur de México para confirmar la identificación de maderas utilizadas en muebles de lo siglo XVIII en Rhode Island (EE.UU.). | MARCELO RODRIGO PACE | Universidades, Centros, Institutos u Organismos Internacionales | 01-01-2019   | 15-03-2021 |

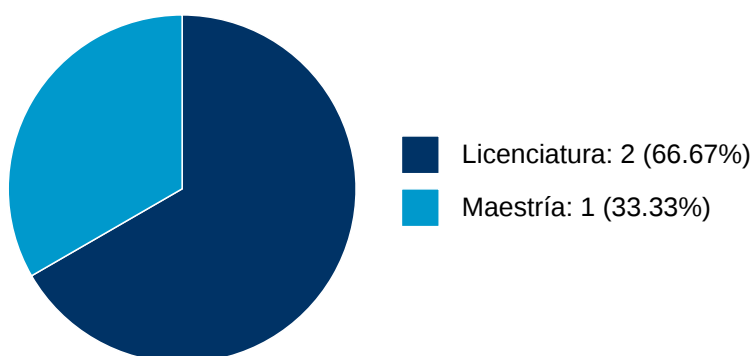
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|---|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------|------------|------------|
| 5 | Escalando rumbo al éxito: ontogenia, filogenia y evolución del sistema vascular en lianas y su papel en la diversificación de las traqueofitas. | MARCELO RODRIGO PACE | Recursos PAPIIT                                                 | 01-01-2021 | 31-12-2022 |
| 6 | Estudio de sistemática y anatomía comparada de linajes que contienen lianas                                                                     | MARCELO RODRIGO PACE | Recursos PAPIIT                                                 | 01-01-2023 | 31-12-2024 |
| 7 | Actividad cambial y anatomía ecológica del leño y corteza en angiosperms.                                                                       | MARCELO RODRIGO PACE | Universidades, Centros, Institutos u Organismos Internacionales | 10-10-2020 | 31-12-2025 |

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**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**

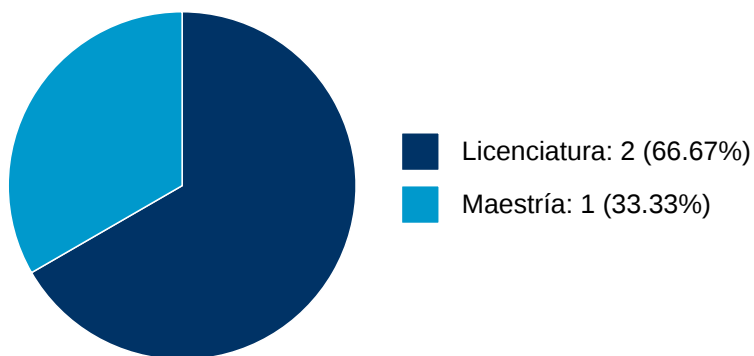


| # | Título del documento                                                                                                                                              | Tipo de Tesis         | Sinodales             | Autores                       | Entidad                | Año  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------------------|------------------------|------|
| 1 | Evolución del sistema vascular en el clado Bunchosia (Malpighiaceae) y su relación en la evolución de distintos tipos de hábito y ocupación de distintos hábitats | Tesis de Maestría     | MARCELO RODRIGO PACE, | Quintanar Castillo, Angélica, | Instituto de Biología, | 2023 |
| 2 | Ontogenia y distribución filogenética de tallos lobulados en el género pantropical Byttneria Loeffling (Malvaceae, Byttnerioideae)                                | Tesis de Licenciatura | MARCELO RODRIGO PACE, | Luna Márquez, Lorena,         | Instituto de Biología, | 2022 |
| 3 | Origen cortical de los cámbiumes sucesivos en tallos de Wisteria (Leguminosae), un género de lianas de zonas templadas                                            | Tesis de Licenciatura | MARCELO RODRIGO PACE, | Nejapa Mendoza, Rosa Celia,   | Instituto de Biología, | 2021 |

**MARCELO RODRIGO PACE**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



| # | Nivel titulación | Asignatura                                                                  | Entidad              | Alumnos | Semestre |
|---|------------------|-----------------------------------------------------------------------------|----------------------|---------|----------|
| 1 | Licenciatura     | ANATOMIA VEGETAL                                                            | Facultad de Ciencias | 24      | 2023-2   |
| 2 | Licenciatura     | ANATOMIA VEGETAL                                                            | Facultad de Ciencias | 23      | 2020-2   |
| 3 | Maestría         | TEMAS SELECTOS ANATOMIA DE MADERAS Y CORTEZAS UN ENFOQUE MULTIDISCIPLINARIO | Facultad de Ciencias | 1       | 2020-1   |



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**Reporte individual**



**MARCELO RODRIGO PACE**

**PATENTES**

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

**MARCELO RODRIGO PACE**

**MARCELO RODRIGO PACE**

**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 |