



**Sistema Integral de Información Académica**  
**Dirección General de Evaluación Institucional**  
**Reporte de Producción Académica**



**JOSE RAUL ARREDONDO PETER**

## Datos Generales

**Nombre:** JOSE RAUL ARREDONDO PETER

**Máximo nivel de estudios:** MAESTRÍA

**Antigüedad académica en la UNAM:** años, meses, días

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## Nombramientos

**Último:**

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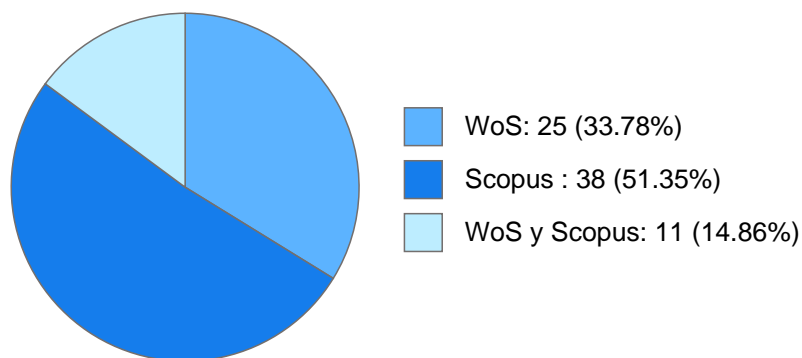
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## Estímulos, programas, premios y reconocimientos

SNI II 2010 - 2018

## DOCUMENTOS EN REVISTAS

### Histórico de Documentos



#	Título	Autores	Revista	Año
1	Effect of the synthesis of rice non-symbiotic hemoglobins 1 and 2 in the recombinant Escherichia coli TBI growth	JOSE RAUL ARREDONDO PETER Álvarez-Salgado E.	F1000 Research	2016
2	Phytoglobin: A novel nomenclature for plant globins accepted by the globin community at the 2014 XVIII conference on Oxygen-Binding and Sensing Proteins	JOSE RAUL ARREDONDO PETER Hill R. Hargrove M.	F1000 Research	2016
3	A bioinformatics insight to rhizobial globins: Gene identification and mapping, polypeptide sequence and phenetic analysis, and protein modeling	JOSE RAUL ARREDONDO PETER Gesto-Borroto R. Sánchez-Sánchez M.	F1000 Research	2015
4	Use of RAPD method for detecting genetic polymorphisms in sheeps	ANTONIO ROLDAN ROLDAN JOSE MANUEL BERRUJECOS VILLALOBOS JOSE RAUL ARREDONDO PETER et al.	REVISTA DE LA FACULTAD DE AGRONOMIA DE LA UNIVERSIDAD DEL ZULIA	2014
5	Rice (Oryza) hemoglobins	JOSE RAUL ARREDONDO PETER Moran J.F. Sarath G.	F1000 Research	2014
6	Variability of non-symbiotic and truncated hemoglobin genes from the genome of cultivated monocots	JOSE RAUL ARREDONDO PETER Rodríguez-Alonso G.	Communitative and Integrative Biology	2013



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7	The evolution of land plant hemoglobins	JOSE RAUL ARREDONDO PETER Vazquez-Limon, Consuelo Hoogewijs, David et al.	PLANT SCIENCE	2012
8	Spectroscopic analysis of moss (Ceratodon purpureus and Physcomitrella patens) recombinant non-symbiotic hemoglobins	JOSE RAUL ARREDONDO PETER Vázquez-Limón C. Castro-Bustos S.	Communitative and Integrative Biology	2012
9	Phylogenetic Relationships of 3/3 and 2/2 Hemoglobins in Archaeplastida Genomes to Bacterial and Other Eukaryote Hemoglobins	JOSE RAUL ARREDONDO PETER Vinogradov, Serge N. Fernandez, Ivan et al.	MOLECULAR PLANT	2011
10	Expression and Localization of a Rhizobium-Derived Cambialistic Superoxide Dismutase in Pea (Pisum sativum) Nodules Subjected to Oxidative Stress	JOSE RAUL ARREDONDO PETER Asensio, Aaron C. Marino, Daniel et al.	MOLECULAR PLANT-MICROBE INTERACTIONS	2011
11	Analysis of peroxidase activity of rice (Oryza sativa) recombinant hemoglobin I: Implications for in vivo function of hexacoordinate non-symbiotic hemoglobins in plants	JOSE RAUL ARREDONDO PETER Violante-Mota, Fernando Tellechea, Edurne et al.	Phytochemistry	2010
12	Cloning and characterization of a caesalpinoid (Chamaecrista fasciculata) hemoglobin: The structural transition from a nonsymbiotic hemoglobin to a leghemoglobin	JOSE RAUL ARREDONDO PETER Gopalasubramaniam, Sabarinathan K. Kovacs, Frank et al.	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2008
13	Molecular cloning and characterization of a moss (Ceratodon purpureus) nonsymbiotic hemoglobin provides insight into the early evolution of plant nonsymbiotic hemoglobins	VERONICA GARROCHO VILLEGAS JOSE RAUL ARREDONDO PETER	MOLECULAR BIOLOGY AND EVOLUTION	2008
14	Expression and in silico structural analysis of a rice (Oryza sativa) hemoglobin 5	VERONICA GARROCHO VILLEGAS JOSE RAUL ARREDONDO PETER Bustos-Rivera, Genoveva et al.	PLANT PHYSIOLOGY AND BIOCHEMISTRY	2008
15	Plant hemoglobins: What we know six decades after their discovery	VERONICA GARROCHO VILLEGAS JOSE RAUL ARREDONDO PETER Gopalasubramaniam S.K.	Gene	2007
16	A phylogenomic profile of globins	JOSE RAUL ARREDONDO PETER Vinogradov S.N. Hoogewijs D. et al.	BMC EVOLUTIONARY BIOLOGY	2006



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17	Prediction of folding pathway and kinetics among plant hemoglobins using an average distance map method	JOSE RAUL ARREDONDO PETER Nakajima S. Álvarez-Salgado E. et al.	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2005
18	Three globin lineages belonging to two structural classes in genomes from the three kingdoms of life	JOSE RAUL ARREDONDO PETER Vinogradov S.N. Hoogewijs D. et al.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2005
19	Modeling the tertiary structure of a maize ( <i>Zea mays</i> ssp. <i>mays</i> ) non-symbiotic hemoglobin	JOSE RAUL ARREDONDO PETER Sáenz-Rivera J. Sarath G.	PLANT PHYSIOLOGY AND BIOCHEMISTRY	2004
20	In silico analysis of a flavohemoglobin from <i>Sinorhizobium meliloti</i> strain 1021	JOSE RAUL ARREDONDO PETER Lira-Ruan V. Sarath G. et al.	MICROBIOLOGICAL RESEARCH	2003
21	Molecular cloning, functional characterization, and subcellular localization of soybean nodule dihydrolipoamide reductase	JOSE RAUL ARREDONDO PETER Moran J.F. Sun Z. et al.	PLANT PHYSIOLOGY	2002
22	Mapping and analysis of a hemoglobin gene family from <i>Oryza sativa</i>	JOSE RAUL ARREDONDO PETER Lira-Ruan V. Ross E.J.H. et al.	PLANT PHYSIOLOGY AND BIOCHEMISTRY	2002
23	Synthesis of hemoglobins in rice ( <i>Oryza sativa</i> var. Jackson) plants growing in normal and stress conditions	JOSE RAUL ARREDONDO PETER Lira-Ruan V. Sarath G. et al.	PLANT SCIENCE	2001
24	Nonsymbiotic hemoglobins in rice are synthesized during germination and in differentiating cell types	JOSE RAUL ARREDONDO PETER Ross E.J.H. Shearman L. et al.	Protoplasma	2001
25	Cloning and expression analysis of hemoglobin genes from maize ( <i>Zea mays</i> ssp. <i>mays</i> ) and teosinte ( <i>Zea mays</i> ssp. <i>parviglumis</i> )	JOSE RAUL ARREDONDO PETER Aréchaga-Ocampo E. Saenz-Rivera J. et al.	BIOCHIMICA ET BIOPHYSICA ACTA-GENE STRUCTURE AND EXPRESSION	2001
26	Analysis of a ferric leghemoglobin reductase from cowpea ( <i>Vigna unguiculata</i> ) root nodules	JOSE RAUL ARREDONDO PETER Luan P. Aréchaga-Ocampo E. et al.	PLANT SCIENCE	2000



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27	Characterization of leghemoglobin from a mimosoid legume, <i>Leucaena esculenta</i> , root nodules	JOSE RAUL ARREDONDO PETER Lira-Ruan K. Sarath G. et al.	Revista Brasileira De Fisiologia Vegetal	2000
28	Crystal structure of a nonsymbiotic plant hemoglobin	JOSE RAUL ARREDONDO PETER Hargrove M.S. Brucker E.A. et al.	STRUCTURE	2000
29	Rhizobium etli genetically engineered for the heterologous expression of <i>Vitreoscilla</i> sp. hemoglobin: Effects on free-living and symbiosis	MARIO RAMIREZ YAÑEZ MARIA BRENDA VALDERRAMA BLANCO JOSE RAUL ARREDONDO PETER et al.	MOLECULAR PLANT-MICROBE INTERACTIONS	1999
30	Plant hemoglobins	JOSE RAUL ARREDONDO PETER Hargrove M.S. Moran J.F. et al.	PLANT PHYSIOLOGY	1998
31	Molecular cloning of the cowpea leghemoglobin II gene and expression of its cDNA in <i>Escherichia coli</i> . Purification and characterization of the recombinant protein	JOSE RAUL ARREDONDO PETER Moran J.F. Sarath G. et al.	PLANT PHYSIOLOGY	1997
32	Rice hemoglobins: Gene cloning, analysis, and O <sub>2</sub> -binding kinetics of a recombinant protein synthesized in <i>Escherichia coli</i>	JOSE RAUL ARREDONDO PETER Hargrove M.S. Sarath G. et al.	PLANT PHYSIOLOGY	1997
33	Characterization of recombinant soybean leghemoglobin a and apolar distal histidine mutants	JOSE RAUL ARREDONDO PETER Hargrove M.S. Barry J.K. et al.	JOURNAL OF MOLECULAR BIOLOGY	1997
34	Rapid PCR-based detection of inserts from cDNA libraries using phage pools or direct phage plaques and lambda primers	JOSE RAUL ARREDONDO PETER Bonic A. Sarath G. et al.	PLANT MOLECULAR BIOLOGY REPORTER	1995
35	Sodium dodecyl sulfate-polyacrylamide gel electrophoresis protein banding patterns among <i>Rhizobium leguminosarum</i> biovar <i>phaseoli</i> strains isolated from the Mexican bean <i>Phaseolus coccineus</i>	JOSE RAUL ARREDONDO PETER JOSE EDGARDO ESCAMILLA MARVAN	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	1993
36	Computer analysis and modelling of a consensus sequence of bacterial cytochrome oxidase subunit II.	JOSE RAUL ARREDONDO PETER FRANCISCA HERNANDEZ HERNANDEZ Helman-Meneguzi F. et al.	Revista Latinoamericana de Microbiologia	1993



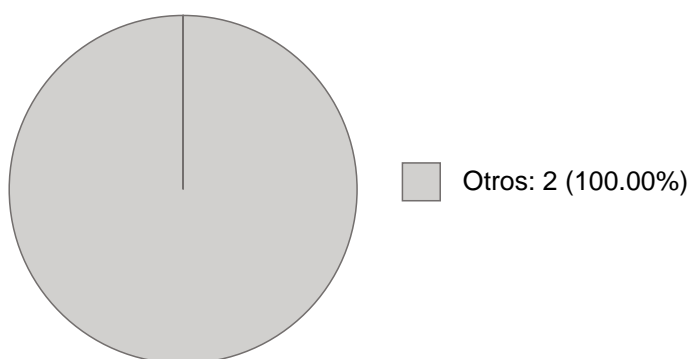
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37 Separation and spectrophotometric characterization of some fluorescent pigments from <i>Ceratitis capitata</i> , W. (diptera: Tephritidae) head capsule	JOSE RAUL ARREDONDO PETER Camin C.V. Baker P.S. et al.	INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY	1992
38 A consensus sequence of plant hemoglobins	JOSE RAUL ARREDONDO PETER JOSE EDGARDO ESCAMILLA MARVAN	PLANT MOLECULAR BIOLOGY REPORTER	1991



**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**



#	Título	Autores	Alcance	Año	ISBN
1	Use of in silico (computer) methods to predict and analyze the tertiary structure of plant hemoglobins	VERONICA GARROCHO VILLEGAS JOSE RAUL ARREDONDO PETER Gopalasubramaniam, Sabarinathan Kuttalingam et al.	Review	2008	9780123742773
2	A self-induction method to produce high quantities of recombinant functional flavo-leghemoglobin reductase	JOSE RAUL ARREDONDO PETER Urarte, Estibaliz Auzmendi, Inigo et al.	Review	2008	9780123742773



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**JOSE RAUL ARREDONDO PETER**

**PARTICIPACIÓN EN PROYECTOS**

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

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**JOSE RAUL ARREDONDO PETER**

**DOCENCIA IMPARTIDA**

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

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**JOSE RAUL ARREDONDO PETER**

**TUTORIAS EN POSGRADO**

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

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**JOSE RAUL ARREDONDO PETER**

**PATENTES**

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

**JOSE RAUL ARREDONDO PETER**



**JOSE RAUL ARREDONDO PETER**

## 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