



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



**HANNA JADWIGA OKTABA**

## Datos Generales

**Nombre:** HANNA JADWIGA OKTABA

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 38 años

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## Nombramientos

**Último:** PROFESOR DE CARRERA TITULAR B TC Definitivo  
Facultad de Ciencias  
Desde 01-01-2009 hasta 31-12-2022

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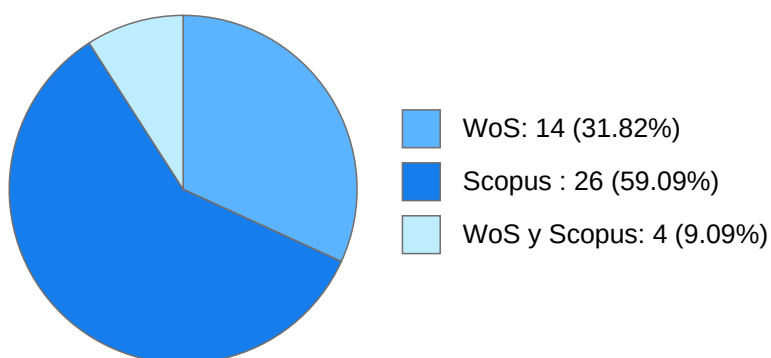
## Estímulos, programas, premios y reconocimientos

PRIDE D - 2022

**HANNA JADWIGA OKTABA**

## DOCUMENTOS EN REVISTAS

### Histórico de Documentos



| # | Título                                                                                                                           | Autores                                                                                      | Revista                                        | Año  |
|---|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------|------|
| 1 | Exploring the communication functions of comments during bug fixing in Open Source Software projects                             | SANDRA LILIANA RAMIREZ MORA<br>HANNA JADWIGA OKTABA HELENA<br>MONTSERRAT GOMEZ ADORNO et al. | INFORMATION AND SOFTWARE TECHNOLOGY            | 2021 |
| 2 | Using an Educational Mobile Application for Learning the Essence 1.2 Kernel Alphas                                               | HANNA JADWIGA OKTABA E. M.<br>Jimenez-Hernandez F. Diaz-Barriga et al.                       | IEEE LATIN AMERICA TRANSACTIONS                | 2021 |
| 3 | Comparing Two Learning Curves Approaches to Predict the Product Delivery Rate in a Software Factory Contract                     | HANNA JADWIGA OKTABA F.<br>Valdes-Souto D. Torres-Robledo                                    | PROGRAMMING AND COMPUTER SOFTWARE              | 2021 |
| 4 | Group maturity, team efficiency, and team effectiveness in software development: A case study in a CMMI-DEV Level 5 organization | SANDRA LILIANA RAMIREZ MORA<br>HANNA JADWIGA OKTABA JUANA<br>PATLAN PEREZ                    | J SOFTW-EVOL PROC                              | 2020 |
| 5 | Descriptions of issues and comments for predicting issue success in software projects                                            | SANDRA LILIANA RAMIREZ MORA<br>HANNA JADWIGA OKTABA HELENA<br>MONTSERRAT GOMEZ ADORNO        | JOURNAL OF SYSTEMS AND SOFTWARE                | 2020 |
| 6 | Using web-based gamified software to learn Boolean algebra simplification in a blended learning setting                          | HANNA JADWIGA OKTABA<br>Jiménez-Hernández E.M.<br>Díaz-Barriga F. et al.                     | COMPUTER APPLICATIONS IN ENGINEERING EDUCATION | 2020 |

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|    |                                                                                                          |                                                                                              |                                                                                                     |      |
|----|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------|
| 7  | Bottom-up authoring of Software Engineering methods and practices                                        | MIGUEL EHECATL MORALES TRUJILLO<br>HANNA JADWIGA OKTABA BORIS ESCALANTE RAMIREZ et al.       | Journal Of Applied Research And Technology                                                          | 2019 |
| 8  | TOWARDS A FORMALIZATION OF A FRAMEWORK TO EXPRESS AND REASON ABOUT SOFTWARE ENGINEERING METHODS          | HANNA JADWIGA OKTABA<br>FRANCISCO HERNANDEZ QUIROZ<br>BORIS ESCALANTE RAMIREZ et al.         | COMPUTING AND INFORMATICS                                                                           | 2018 |
| 9  | Towards a formalization of a framework to express and reason about software engineering methods          | MIGUEL EHECATL MORALES TRUJILLO<br>HANNA JADWIGA OKTABA<br>FRANCISCO HERNANDEZ QUIROZ et al. | COMPUTING AND INFORMATICS                                                                           | 2018 |
| 10 | Towards a representation of enterprise architecture based on zachman framework through OMG standards     | MIGUEL EHECATL MORALES TRUJILLO<br>BORIS ESCALANTE RAMIREZ MARIA DEL PILAR ANGELES et al.    | Proceedings Of The International Conference On Software Engineering And Knowledge Engineering, Seke | 2018 |
| 11 | Team maturity in Agile Software Development: The impact on productivity                                  | SANDRA LILIANA RAMIREZ MORA<br>HANNA JADWIGA OKTABA                                          | Proceedings-lee International Conference On Software Maintenance                                    | 2018 |
| 12 | A research framework for building SPI proposals in small organizations: the COMPETISOFT experience       | HANNA JADWIGA OKTABA Pino F.J. García F. et al.                                              | SOFTWARE QUALITY JOURNAL                                                                            | 2016 |
| 13 | Integración de Métodos Ágiles a una Empresa de Nivel 5 CMMI-DEV: un Caso de Estudio                      | HANNA JADWIGA OKTABA Arauz G. Morales M. et al.                                              | IEEE LATIN AMERICA TRANSACTIONS                                                                     | 2016 |
| 14 | The making of an OMG standard                                                                            | MIGUEL EHECATL MORALES TRUJILLO<br>HANNA JADWIGA OKTABA Piattini, Mario                      | COMPUTER STANDARDS & INTERFACES                                                                     | 2015 |
| 15 | Taking seriously software projects inception through games                                               | MIGUEL EHECATL MORALES TRUJILLO<br>HANNA JADWIGA OKTABA González J.C.                        | Communications in Computer and Information Science                                                  | 2015 |
| 16 | Validating a software engineering framework through technical-action-research in union with case studies | MIGUEL EHECATL MORALES TRUJILLO<br>HANNA JADWIGA OKTABA Piattini M.                          | Lecture Notes in Business Information Processing                                                    | 2015 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------|
| 17 | From MoProSoft level 2 to ISO/IEC 29110 basic profile: Bridging the gap                                                                                                                                           | MIGUEL EHECATL MORALES TRUJILLO<br>MARIA TERESA VENTURA MIRANDA<br>HANNA JADWIGA OKTABA et al. | 15th Ibero-America n Conference On Software Engineering, Cibse 2012                                               | 2012 |
| 18 | Introduction to ISO / IEC 29110 Basic Profile – Process Guide Software for Small Organizations [Introducción al estándar iso/iec 29110 perfil básico – guía de procesos de software para pequeñas organizaciones] | HANNA JADWIGA OKTABA Gil B.                                                                    | 14th Ibero-America n Conference On Software Engineering And 14th Workshop On Requirements Engineering, Cibse 2011 | 2011 |
| 19 | Applying agile and lean practices in a software development project into a CMMI organization                                                                                                                      | MIGUEL EHECATL MORALES TRUJILLO<br>HANNA JADWIGA OKTABA Pino F.J. et al.                       | Lecture Notes in Computer Science                                                                                 | 2011 |
| 20 | Supporting the software process improvement in very small entities through e-learning: The HEPAL! Project                                                                                                         | CARLOS RICARDO CRUZ MENDOZA<br>MIGUEL EHECATL MORALES TRUJILLO<br>HANNA JADWIGA OKTABA et al.  | Proceedings of the Mexican Conference on Computer Science                                                         | 2010 |
| 21 | A systematic review measurement in software engineering: State-of-the-art in measures                                                                                                                             | JORGE OSWALDO GOMEZ MUÑOZ<br>HANNA JADWIGA OKTABA Piattini M. et al.                           | Communications in Computer and Information Science                                                                | 2008 |
| 22 | Software process improvement: The competisofit project                                                                                                                                                            | HANNA JADWIGA OKTABA García F. Piattini M. et al.                                              | Computer                                                                                                          | 2007 |
| 23 | Agents, case-based reasoning and their relation to the Mexican Software Process Model (MoProSoft)                                                                                                                 | HANNA JADWIGA OKTABA Vargas H.C. Guardati S. et al.                                            | Proceedings – International Computer Software And Applications Conference                                         | 2007 |

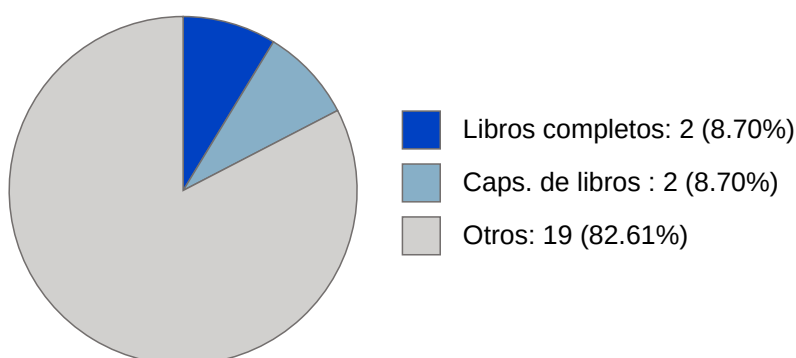
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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|
| 24 | Using an ad hoc evaluation method for improving processes with MoProSoft [Utilización de un método ad hoc de evaluación para el mejoramiento de procesos con MoProSoft] | HANNA JADWIGA OKTABA Martínez V. Gómez Y. et al. | Vi Jornadas Iberoamericanas De Ingenieria De Software E Ingenieria Del Conocimiento 2007, Jiisic 2007 | 2007 |
| 25 | A systematic review measurement in software engineering: State-of-the-art in measures                                                                                   | HANNA JADWIGA OKTABA Gómez O. Piattini M. et al. | Icsoft 2006 – 1st International Conference On Software And Data Technologies, Proceedings             | 2006 |
| 26 | CRAFTING REUSABLE SOFTWARE IN MODULA-2.                                                                                                                                 | HANNA JADWIGA OKTABA Berber Rene                 | BYTE                                                                                                  | 1987 |

**HANNA JADWIGA OKTABA**

## LIBROS Y CAPITULOS CON ISBN

### Obras con registro ISBN



| # | Título                                                                                 | Autores                                                                                                                  | Alcance               | Año  | ISBN          |
|---|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|------|---------------|
| 1 | Formal Verification of a Database Management System                                    | DIEGO ROBERTO MEDINA<br>MARTINEZ ISMAEL<br>EVERARDO BARCENAS<br>PATIÑO GUILLERMO<br>GILBERTO MOLERO<br>CASTILLO et al.   | Proceedin<br>gs Paper | 2020 | 9781728184500 |
| 2 | Analysis of automated estimation models using machine learning                         | SERGIO JOAQUIN<br>JIMENEZ SANDOVAL<br>HANNA JADWIGA<br>OKTABA Jesus Ivan<br>Saavedra Martinez et al.                     | Proceedin<br>gs Paper | 2020 | 9781728184500 |
| 3 | An Approach to Automatic Recognition of Web Advertising Focused on Different Languages | GUILLERMO GILBERTO<br>MOLERO CASTILLO<br>ISMAEL EVERARDO<br>BARCENAS PATIÑO<br>SERGIO JOAQUIN<br>JIMENEZ SANDOVAL et al. | Proceedin<br>gs Paper | 2020 | 9781728184500 |

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|----|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------|------|---------------|
| 4  | Sentiment Analysis in Jira Software Repositories                                                | HANNA JADWIGA<br>OKTABA SERGIO<br>JOAQUIN JIMENEZ<br>SANDOVAL HANNA<br>JADWIGA OKTABA et al.                 | Proceedin<br>gs Paper | 2020 | 9781728184500 |
| 5  | Sentiment Analysis in Jira Software Repositories                                                | HANNA JADWIGA<br>OKTABA SERGIO<br>JOAQUIN JIMENEZ<br>SANDOVAL HANNA<br>JADWIGA OKTABA et al.                 | Proceedin<br>gs Paper | 2020 | 9781728184500 |
| 6  | Foreword                                                                                        | HANNA JADWIGA<br>OKTABA                                                                                      | Editorial<br>Material | 2020 | 9781799875543 |
| 7  | Risk assessment forum: A proposal for agile software development teams ruled by Scrum           | HANNA JADWIGA<br>OKTABA Michelle Parada<br>Carvallo J. Hernandez<br>E.R. et al.                              | Conferenc<br>e Paper  | 2019 | 9781538665770 |
| 8  | Risk Assessment Forum A Proposal for agile software development teams ruled by Scrum            | HANNA JADWIGA<br>OKTABA SERGIO<br>JOAQUIN JIMENEZ<br>SANDOVAL Juliette<br>Michelle Parada<br>Carvallo et al. | Proceedin<br>gs Paper | 2018 | 9781538665770 |
| 9  | Productivity in Agile Software Development: A Systematic Mapping Study                          | SANDRA LILIANA RAMIREZ<br>MORA HANNA JADWIGA<br>OKTABA                                                       | Proceedin<br>gs Paper | 2017 | 9781538639566 |
| 10 | Serious Games when used to Learn Software Processes: An Analysis from a Pedagogical Perspective | HANNA JADWIGA<br>OKTABA<br>Jimenez-Hernandez E.M.<br>Piattini M. et al.                                      | Proceedin<br>gs Paper | 2017 | 9781538639566 |
| 11 | Use of the Essence and Kuali-Beh to Structure Software Engineering Courses                      | MARIA GUADALUPE ELENA<br>IBARGUENGOITIA<br>GONZALEZ HANNA<br>JADWIGA OKTABA<br>JuarezRamirez, R et al.       | Proceedin<br>gs Paper | 2016 | 9781509010745 |
| 12 | Methodology to construct educational video games in software engineering                        | HANNA JADWIGA<br>OKTABA<br>Jimenez-Hernandez,<br>Erendira M. Díaz-Barriga<br>Arceo, Frida et al.             | Proceedin<br>gs Paper | 2016 | 9781509010745 |

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|----|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------|------|---------------|
| 13 | Using ESSENCE ALPHAs in a CMMI level 5 software development organization                           | MIGUEL EHECATL<br>MORALES TRUJILLO<br>HANNA JADWIGA<br>OKTABA Julia Orozco,<br>Maria         | Conferenc<br>e Paper    | 2016 | 9788360810903 |
| 14 | Using technical-action-research to validate a framework for authoring software engineering methods | MIGUEL EHECATL<br>MORALES TRUJILLO<br>HANNA JADWIGA<br>OKTABA Piattini M.                    | Conferenc<br>e Paper    | 2015 | 9789897580963 |
| 15 | Improving software projects inception phase using games: ActiveAction workshop                     | MIGUEL EHECATL<br>MORALES TRUJILLO<br>HANNA JADWIGA<br>OKTABA González J.C.                  | Conferenc<br>e Paper    | 2014 | 9789897580307 |
| 16 | Improving Software Projects Inception Phase Using Games ActiveAction Workshop                      | MIGUEL EHECATL<br>MORALES TRUJILLO<br>HANNA JADWIGA<br>OKTABA Juan Carlos<br>Gonzalez et al. | Procedin<br>gs Paper    | 2014 | 9789897580307 |
| 17 | Tendencias de la práctica de la ingeniería de software en México en el ámbito académico            | HANNA JADWIGA<br>OKTABA                                                                      | Libro<br>Completo       | 2013 | 9786076071625 |
| 18 | Run-Through Practice as a Collaboration Facilitator in Inter-organizational Software Construction  | HANNA JADWIGA<br>OKTABA Muñoz M.D.                                                           | Procedin<br>gs Paper    | 2013 | 9780769550558 |
| 19 | Un enfoque pragmático para la mejora de procesos software en las PyMEs                             | HANNA JADWIGA<br>OKTABA Piattini M. Pino<br>F.J. et al.                                      | Conferenc<br>e Paper    | 2008 | 9781627481526 |
| 20 | Software process improvement for small and medium enterprises: Techniques and case studies         | HANNA JADWIGA<br>OKTABA Piattini M.                                                          | Libro<br>Completo       | 2008 | 9781599049069 |
| 21 | COMPETISOFT: An improvement strategy for small Latin-American software organizations               | HANNA JADWIGA<br>OKTABA Pino F.J. Piattini<br>M. et al.                                      | Capítulo<br>de un Libro | 2008 | 9781599049069 |
| 22 | MoProSoft®: A software process model for small enterprises                                         | HANNA JADWIGA<br>OKTABA Vázquez A.                                                           | Capítulo<br>de un Libro | 2008 | 9781599049069 |
| 23 | Group awareness support in collaborative writing systems                                           | HANNA JADWIGA<br>OKTABA<br>Mendoza-Chapa S.<br>Romero-Salcedo M.                             | Conferenc<br>e Paper    | 2000 | 0769508286    |





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**HANNA JADWIGA OKTABA**

**PARTICIPACIÓN EN PROYECTOS**

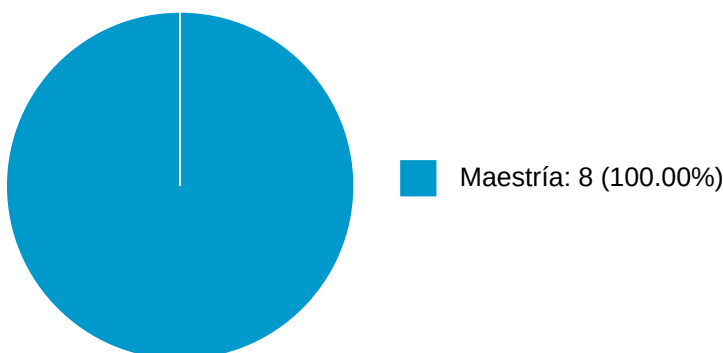
**No se encuentran registros en la base de datos de SISEPRO asociados a:**

**HANNA JADWIGA OKTABA**

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**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**



| # | Título del documento                                                                                              | Tipo de Tesis     | Sinodales             | Autores                             | Entidad               | Año  |
|---|-------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|-------------------------------------|-----------------------|------|
| 1 | Uso de testimonios en un software para mejorar el estado emocional de enfermos renales                            | Tesis de Maestría | HANNA JADWIGA OKTABA, | López Sánchez, Eduardo Rafael,      | Facultad de Ciencias, | 2018 |
| 2 | Innovación de procesos en una PyME de desarrollo de software con base en los modelos de procesos moprosoft y cmmi | Tesis de Maestría | HANNA JADWIGA OKTABA, | Torres Garibay, Rodrigo,            | Facultad de Ciencias, | 2014 |
| 3 | Desarrollo de una herramienta de auto-evaluación para el cumplimiento de ISO/IEC 29110:5-1-2 : perfil básico      | Tesis de Maestría | HANNA JADWIGA OKTABA, | Campos Valdovinos, Yesenia,         | Facultad de Ciencias, | 2013 |
| 4 | Procesos en el desarrollo de aplicaciones para dispositivos móviles                                               | Tesis de Maestría | HANNA JADWIGA OKTABA, | Rangel Villagran, Ian Moises,       | Facultad de Ciencias, | 2013 |
| 5 | Interpretación de ISO/IEC 29110 perfil básico con principios y prácticas de lean software development             | Tesis de Maestría | HANNA JADWIGA OKTABA, | Pérez Hernández, Alejandro Parmeno, | Facultad de Ciencias, | 2013 |
| 6 | Arquitectura de software en métodos ágiles                                                                        | Tesis de Maestría | HANNA JADWIGA OKTABA, | Cortés Pichardo, Daniel,            | Facultad de Ciencias, | 2011 |

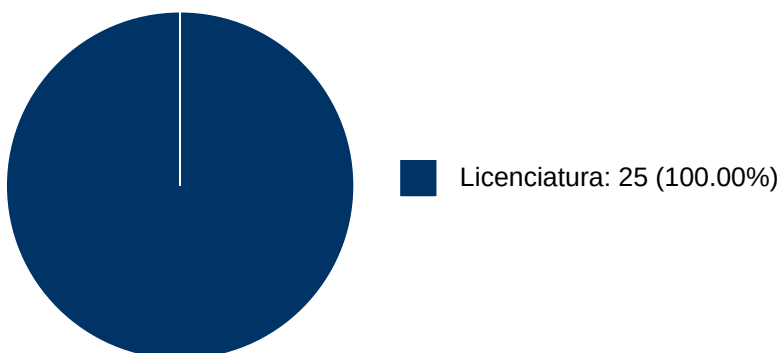
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|---|-----------------------------------------------------------------------------------------------|-------------------|-----------------------|-------------------------------|-----------------------|------|
| 7 | Herramienta educacional para la adopción de procesos                                          | Tesis de Maestría | HANNA JADWIGA OKTABA, | Morgado Castillo, Mauricio,   | Facultad de Ciencias, | 2010 |
| 8 | Repositorio de paquetes de despliegue de procesos bajo una arquitectura orientada a servicios | Tesis de Maestría | HANNA JADWIGA OKTABA, | Cruz Mendoza, Carlos Ricardo, | Facultad de Ciencias, | 2009 |

**HANNA JADWIGA OKTABA**

## DOCENCIA IMPARTIDA

### Histórico de docencia



| #  | Nivel titulación | Asignatura                          | Entidad              | Alumnos | Semestre |
|----|------------------|-------------------------------------|----------------------|---------|----------|
| 1  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 26      | 2022-1   |
| 2  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 25      | 2021-1   |
| 3  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 31      | 2020-2   |
| 4  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 20      | 2020-1   |
| 5  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 29      | 2019-2   |
| 6  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 12      | 2019-1   |
| 7  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 37      | 2018-2   |
| 8  | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 32      | 2017-2   |
| 9  | Licenciatura     | ADMINISTRAC.DE EMPRESAS D SOFTWARE  | Facultad de Ciencias | 8       | 2017-1   |
| 10 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 34      | 2016-2   |
| 11 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 24      | 2015-2   |
| 12 | Licenciatura     | ADMINISTRAC.DE EMPRESAS D SOFTWARE  | Facultad de Ciencias | 2       | 2015-1   |
| 13 | Licenciatura     | SEM. DE APLICACIO. CIENC. SOC.ADMVA | Facultad de Ciencias | 3       | 2015-1   |
| 14 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 24      | 2014-2   |
| 15 | Licenciatura     | SEM. DE APLICACIO. CIENC. SOC.ADMVA | Facultad de Ciencias | 6       | 2014-1   |
| 16 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 14      | 2013-2   |
| 17 | Licenciatura     | TEMAS SELECTOS DE ING. DE SOFTWARE  | Facultad de Ciencias | 3       | 2013-1   |
| 18 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 7       | 2012-2   |
| 19 | Licenciatura     | TEMAS SELECTOS DE ING. DE SOFTWARE  | Facultad de Ciencias | 4       | 2012-1   |
| 20 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 6       | 2011-2   |
| 21 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 3       | 2011-1   |
| 22 | Licenciatura     | SEM. DE APLICACIO. CIENC. SOC.ADMVA | Facultad de Ciencias | 1       | 2009-2   |
| 23 | Licenciatura     | INGENIERIA DE SOFTWARE              | Facultad de Ciencias | 8       | 2009-1   |
| 24 | Licenciatura     | SEM. DE APLICACIO. CIENC. SOC.ADMVA | Facultad de Ciencias | 2       | 2008-2   |



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**HANNA JADWIGA OKTABA**

25 Licenciatura INGENIERIA DE SOFTWARE Facultad de Ciencias 33 2008-1



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**HANNA JADWIGA OKTABA**

**PATENTES**

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

**HANNA JADWIGA OKTABA**

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## 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 |