



1. Name

Nancy del Pilar Medina Herrera

2. Education

Residence. Texas A&M University, Mary Kay O'connor Process Safety Center. College Station, TX, USA. 2011

Residence Carnegie Me/Ion University, Department of Chemical Engineering. Pittsburgh, PA, USA. 2013

Doctoral Degree, , Chemical Engineering by the Technological Institute of Celaya. 2014

Master Degree, Chemical Engineering by the Technological Institute of Celaya, 2010

Chemical Engineering by the Technological Institute of Celaya. 2008

3. Academic experience

Professor, Autonomous University of Nuevo Leon (UANL), Full time

4. Non-academic experience – company or entity, title, brief description of position, when (ex. 2008-2012), full time or part time

5. Certifications or professional registrations

6. Current membership in professional organizations

7. Honors and awards

Member of the National System of Researchers (SNI) Level: Candidate Period: 1 January 2016 - 31 December 2018.

CONACYT Scholar for Doctoral Studies.

Obtaining Mixed Grant CONACYT for Research Stays.

CONACYT Scholar for Master's Studies.

SEP- PRONABES Scholar for Higher Level Studies.

2007 Obtaining DGEST Grant for Assistance to Congresses and Conventions.

8. Service activities (within and outside of the institution)

9. Briefly list the most important publications and presentations from the past five years

Dividing-Wall Columns: Design and Control of a Kaibel and a Satellite Distillation Column for BTX separation (DOI:10.1016/j.cep.2017.01.010) Salvador Tututi-Avila, Luis A. Dominguez-Díaz, Nancy Medina-Herrera, Arturo Jiménez-Gutiérrez y Juergen

Hahn. 2017 Chemical and Engineering Processing: Process Intensification, Vol. 114, Pag. 1-15.

Optimal Design of a Multi-Product Reactive Distillation System for Silanes Production (DOI: 10.1016/j.compchemeng.2017.01.014) Nancy Medina-Herrera, Salvador Tututi-Avila, Arturo Jiménez-Gutiérrez, Juan Segovia-Hernández. 2017 Computers & Chemical Engineering, Vol. 105, Pag. 132-141.

Design of an Energy-Efficient Side-Stream Extractive Distillation System (DOI: 10.1016/j.compchemeng.2016.12.001) Salvador Tututi-Avila, Nancy Medina-Herrera, Juergen Hahn, Arturo Jiménez-Gutiérrez. 2017 Computers & Chemical Engineering, Vol. 102, Pag 17-25.

Multi-Product Reactive Distillation for Silanes Production (DOI:10.1016/B978-0-444-63428-3.50129-6) Nancy Medina-Herrera, Salvador Tututi-Ávila, Juan G Segovia-Hernández, Arturo Jiménez-Gutiérrez. 2016 Computer Aided Chemical Engineering, Vol. 38, Pag 745-750

Risk Analysis Applied to Bioethanol Dehydration Processes Considering Azeotropic and Extractive Distillation (DOI: 10.1016/B978-0-444-63577-8.50151-0) Adriana Avilés-Martínez, Nancy Medina-Herrera, Arturo Jiménez-Gutierrez, Medardo Serna-González, Agustín Castro-Montoya. 2015 Computer Aided Chemical Engineering, Vol. 37, Pag 1835-1840.

Briefly list the most recent professional development activities