

CONTACT DETAILS

Surname and name: Valdés Haydée

E-mail: hvaldesg10@gmail.com

Web: www.hvaldesg.com

Linked in: Haydée Valdés

Research ID: D-8612-2013

EDUCATION

Education in Chemistry:

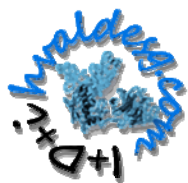
- Bachelor in Chemistry. University of Oviedo. 1998.
- Ph. D., Physical Chemistry. University of Oviedo. 2003.

Ph. D. Thesis Title: 'Molecular associations: analysis of the nature of the interaction in van der Waals dimers and trimers complexes'.

Ph. D. Excellence Award.

Others:

- Community Management. National Distance Education University (UNED). 2013.
- Proficiency level in English awarded by the 'Escuela Oficial de Idiomas'. 1994.
- Leadership techniques. European Molecular Biology Organization. Heidelberg (Germany). 2006.



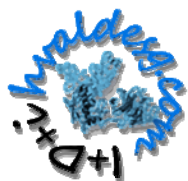
Besides, I have obtained specific training in the following topics by the Education Science Institute of the University of Oviedo:

Moodle:

- Usage of the virtual campus of the University of Oviedo (basic level; 15 hours). 2009.
- Usage of the virtual campus of the University of Oviedo (advanced level; 12 hours). 2009.

Teaching:

- Lecturer's Communication skills: improvement of the voice and the speech (10 hours). 2009.
- Usage of the E-board in the teaching process (10 hours). 2009.
- The art of teaching and evaluating competences. (15 hours). 2010.
- Developing contents for on-line teaching. (12 hours). 2010.
- Using web 2.0 in research and teaching. (10 hours). 2010.
- Curso de Adaptación Pedagógica (C.A.P) currently named Master's Degree in Teacher Training in Secondary and Upper Secondary Education and Vocational Training. 1999.



RESEARCH BACKGROUND

- Researcher (November 2013 - November 2015)

Department of Theoretical Physics. Faculty of Sciences. University of Valladolid.

Computer simulations of gas adsorption and molecular reactivity in graphene, porous carbons and nanoparticles.

- Maternity leave (April 2012 - October 2013)

- Researcher (October 2010 - March 2012)

Department of Physical Chemistry. Faculty of Pharmacy. University of Barcelona.

Study of the molecular mechanism of nitrosative stress resistance in tuberculosis by means of docking techniques, MD simulations and QM calculations.

- Researcher (January 2008 - September 2010)

Department of Physical and Analytical Chemistry. University of Oviedo.

MD simulations of MMPs (Matrix Metalloproteinases) and triple helical peptides (THPs) as model systems of collagen, both in continuum and explicit solvent models.

- Junior Researcher (January 2006 - December 2007)

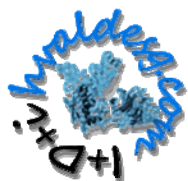
Institute of Organic Chemistry and Biochemistry. Academy of Sciences of the Czech Republic.

Theoretical study on isolated polypeptides by means of QM calculations and MD simulations.

- Postdoctoral Researcher (January 2004 - December 2005)

Centre of Biomolecules and Complex Molecular systems. Academy of Sciences of the Czech Republic.

Ab initio calculations on nucleic acid base pairs. Analysis of the nature of the intermolecular interaction in model systems of hydrated peptides. Theoretical study of isolated peptides containing aromatic side chains by means of MD simulations and QM calculations.



- Marie Curie fellow (April 2003 - July 2003)

J. Heyrovský Physical Chemistry Institute. Academy of Sciences of the Czech Republic.
Applicability of the **Brillouin-Wigner multireference method** to the study of chemical reactions.

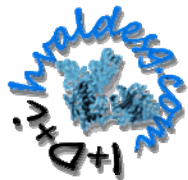
- Marie Curie fellow (May 2001 - September 2001)

J. Heyrovský Physical Chemistry Institute. Academy of Sciences of the Czech Republic.
Applicability of the **Brillouin-Wigner multireference method** to the study of chemical reactions.

- Fundación Universidad de Oviedo (October 2000 - December 2000)

Química ID Asturias S. L.

Development of new strategies for the transformation and recycling of **organic and inorganic** compounds of biomedical interest.



TEACHING BACKGROUND

ANECA accreditation within The Academic Staff Recruitment Assessment Programme (PEP).

Teaching experience in the following centers:

- Faculty of Science. **University of Valladolid.**

- Bachelor's degree in Physics.

Computational Physics (2014-2015).

- Faculty of Pharmacy. **University of Barcelona.**

- Master's degree: 'Recerca, desenvolupament i control de medicaments'.

Master's degree in 'Bioinformatic and drug design' (2010-2011 y 2011-2012).

- Bachelor's degree in Food Science and Technology.

Instrumental analysis (2011-2012).

- Bachelor's degree in Pharmacy.

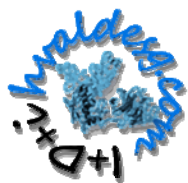
Instrumental techniques (2010-2011).

- Institute of Organic Chemistry and Biochemistry. **Academy of Sciences of the Czech Republic.** (2006-2007).

Bachelor's degree, Master's degree and Ph. D. degree.

- Center for Biomolecules and Complex Molecular systems. **Academy of Sciences of the Czech Republic.** (2004-2005).

Bachelor's degree, Master's degree and Ph. D. degree.



PUBLICATIONS

All the information about my publication record can be found in the Social Media:

- ResearchID: <http://www.researcherid.com/rid/D-8612-2013>
- ResearchGate: Haydée Valdés

The impact of my research in number as of November, 2017:

H index: 20

Total number of citations received: 1090 (18 years)

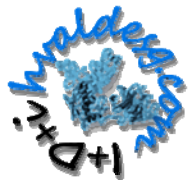
Average number of citations per paper: 29.46

Keywords: Author=(valdes h or gonzalez hv) AND Address=(univ oviedo or Acad Sci Czech Republic or acad sci czech republ or univ Barcelona or univ valladolid)

ORAL PRESENTATIONS & CONFERENCES

I have given oral presentations in several international conferences:

- Gordon Research Conference on biological molecules in the gas phase. Maine (U.S.A.). 2005.
- Workshop on Modeling Interactions in Biomolecules II (MIBII). Prague (Czech Republic). 2005.
- *Czech-Japanese Symposium*, Prague (Czech Republic). Prague (Czech Republic). 2005.
- Workshop on Modeling Interactions in Biomolecules III (MIBIII). Prague (Czech Republic). 2007.



Likewise, I have been invited to give a talk in the following Universities:

- Department of Molecular Modelization; Institute of Organic Chemistry and Biochemistry. Academy of Sciences of the Czech Republic. Prague (Czech Republic). 2005.
- Department of Physical Chemistry and Inorganic Chemistry. University of Valladolid. Valladolid (Spain). 2005.
- Department of Biology and Molecular Biology. University of Barcelona. Barcelona (Spain). 2005.
- IRC in Polymer Science and Technology. School of Physics and Astronomy. University of Leeds. Leeds (United Kingdom). 2007.
- Faculty of Science and Technology. University of the Vasque Country. Bilbao (Spain). 2013.

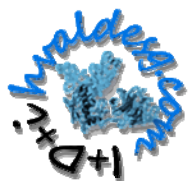
Additionally, I have attended to 30 international conferences.

REFeree

I am a reviewer of the Physical Chemistry Chemical Physics of the Royal Society of Chemistry.

I have also been asked to review papers for the following journals:

- New Journal of Chemistry of the Royal Society of Chemistry.
- Journal of Molecular Graphics and Modelling of the Royal Society of Chemistry.
- Journal of Physical Chemistry B of the American Chemical Society.
- Journal of Chemical Theory and Computation of the American Chemical Society.



CURRICULUM VITAE

Additionally, I have been asked to evaluate scientific projects for the Grant Agency of the Academy of Sciences of the Czech Republic.

November, 2017