

CURRÍCULUM VITAE



José Antonio González Delgado
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Single

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EDUCATION

2004 – 2009	Degree in Chemistry University of Huelva (Spain)
2009 – 2010	Master in Biotechnology University of Granada (Spain)
2010 – 2014	PhD in Organic Chemistry Sup: Prof. A. F. Barrero University of Granada (Spain)
Jul 2014 – Nowadays	Postdoctoral Marie Curie Fellowship ITN (Nº 316975) Inovapotek, Pharmaceutical Research and Development, Lda “Photosensitizers for photodynamic inactivation of microorganisms and their formulation in semi-solid systems (gels and creams)”

RESEARCH

2007 – 2008	Internship Student in Department of Analytical Chemistry University of Huelva (Spain)
2008 – 2009	Undergraduate Research Fellowship by Government of Spain Department of Organic Chemistry University of Huelva (Spain)
2012	PAP/Erasmus Program Research Fellowship University of Granada (Spain)

PROFESSIONAL EXPERIENCE

Sep - Oct 2006	Internship Student in Geological and Mining Spanish Institute Tharsis, Huelva (Spain)
Jul - Aug 2008	Internship Student in Ercros S.A. Huelva (Spain)
2010 – 2013	Research Technician by Regional Government (Junta de Andalucía) of Spain, University of Granada (Spain)
March 2014	Postdoctoral Researcher University of Sevilla (Spain)

NATIONAL/INTERNATIONAL RESEARCH INTERNSHIP

Jul – Sep 2010	Dr. Jesús Fernández Arteaga University of Huelva (Spain)
Jul – Sep 2011	Dr. Jesús Fernández Arteaga University of Huelva (Spain)
Jun – Sep 2012	Prof. V. K. Aggarwal University of Bristol (UK)
March – June 2014	Prof. Dr. Uwe Pischel University of Huelva (Spain)

SCIENTIFIC MEETINGS

Jun 2008	XI Andalusian Meeting of Spanish Royal Society of Analytical Chemistry Huelva (Spain)
Nov 2009	Posters in Science and Technology Week University of Huelva (Spain)
Sept 2010	Poster in II Iberoamerican Symposium on Organic Chemistry Santiago de Compostela (Spain)
Jun 2011	Poster in V Mediterranean Organic Chemistry Meeting & III Meeting on Natural Products of Spanish Royal Society of Chemistry, Cadiz (Spain)
Jul 2011	Poster and Oral Communication in XXXIII Bienal Meeting of Spanish Royal Society of Chemistry, Valencia (Spain)
Jun 2013	Poster and Oral Communication in VI Mediterranean Organic Chemistry Meeting, Granada (Spain)
Jul 2015	Posters in XXXV Bienal Meeting of Spanish Royal Society of Chemistry, A Coruña (Spain)
Aug 2015	Poster in European Society for Photobiology 2015 Congress, Aveiro (Portugal)

COMPLEMENTARY FORMATION

Nov 2007	II Interuniversity Meeting of Andalusian Students University of Malaga
2007 – 2009	Colaborator Student of Adaptation to the ECTS System in the Degree of Chemistry University of Huelva
Aug 2010	School “Blas Cabrera” on Introduction to the Research, Teaching and Innovation International University Menéndez Pelayo (U.I.M.P)
Oct 2010	Development of methods for HPLC, UPLC and LC-HILIC

	Theoretical Seminar Granada (Spain)
2010	Annual Series of Conferences on Biotechnology Institute of Biotechnology University of Granada
Mar 2011	Practical Course on Mnova (NMR Software) University of Granada (Spain)
Apr 2011	III Workshop on Structural Resolution by Single-Cristal X-Ray Diffraction University of Granada (Spain)
Mar 2012	Practical Course on VnmrJ Version 3.2A (NMR Software) University of Granada (Spain)
Mar 2012	Advanced Practical Course on Mnova (NMR Software) University of Granada (Spain)
Jun 2015	Technical Seminar in GCMS and LCMS University of Porto (Portugal)
Jun 2015	Course in "Innovative approaches to inactivate antibiotic-resistant bacteria" University of Aveiro (Portugal)

PUBLICATIONS

1. Protecting-Group-Free Synthesis of Chokols.

Pérez-Morales, C.; Catalán, J.; Domingo, V.; Dobado, J.; González-Delgado, J.; Herrador, M. M.; Quílez del Moral, J.F.; Barrero, A.F. *J. Org. Chem.*, **2011**, 76 (8), 2494–2501

2. Control of the Regio- and Diastereoselectivity for the Preparation of Highly Functionalized Terpenic Cyclopentanes through Radical Cyclization.

Arteaga, J.F.; Diéguez, H.R.; González-Delgado, J.A.; Quílez del Moral, J.F.; Barrero, A.F. *Eur. J. Org. Chem.*, **2011**, 26, 5002-5011

3. New apocarotenoids and β -carotene cleavage in *Blakeslea trispora*.

Barrero, A.F.; Herrador, M.M.; Arteaga, P.; Gil, J.; González-Delgado, J.A.; Alcalde, E.; Cerdá-Olmedo, E. *Org. Biomol. Chem.*, **2011**, 9, 7190-7195

4. Apocarotenoids in the Sexual Interaction of *Phycomyces blakesleeanus*.

Polaino, S.; Gonzalez-Delgado, J.A.; Arteaga, P.; Herrador, M.M.; Barrero, A.F.; Cerda-Olmedo, E. *Org. Biomol. Chem.*, **2012**, 10, 3002-3009

5. A Minor Dihydropyran Apocarotenoid from Mated Cultures of *Blakeslea trispora*.

Barrero, A.F.; Herrador, M.M.; Arteaga, P.; González-Delgado, J.A.; Arteaga, J.F. *Molecules*, **2012**, 17, 12553-12559

6. First Total Synthesis of (+)-Apotrisporin E and (+)-Apotrietriols A-B: A Cyclization Approach to Apocarotenoids.

González-Delgado, J.A.; Arteaga, J.F.; Herrador, M.M.; Barrero, A.F. *Org. Biomol. Chem.*, **2013**, 11, 5404-5408

7. Easy Access to a Cyclic Key Intermediate for the Synthesis of Trisporic Acids and

Related Compounds.

González-Delgado, J.A.; Escobar, G.; Arteaga, J.F.; Barrero, A.F. *Molecules*, **2014**, *19*, 1748-1762.

8. Homocoupling versus Reduction of Radicals: An Experimental and Theoretical Study of Ti(III)-mediated Deoxygenation of Activated Alcohols

Prieto, C.; González-Delgado, J.A.; Arteaga, J.F.; Jaraiz, M.; López-Pérez, J.L.; Barrero, A.F. *Org. Biomol. Chem.*, **2015**, *13*, 3462-3469

9. Synthesis of Stilbene Derivatives: A Comparative Study of their Antioxidant Activities.

Romero, M.A.; González-Delgado, J.A.; Arteaga, J.F. *Nat. Prod. Comm.*, **2015**, *10*, 1257-1262.

10. Use of Photosensitizers in Semisolid Formulations for Microbial Photodynamic Inactivation.

González-Delgado, J.A.; Kennedy, P.; Ferreira, M.; Tomé, J.P.C.; Sarmiento, B. *J. Med. Chem.*, Accepted. DOI: 10.1021/acs.jmedchem.5b01129

11. Impact of Natural Sources-derived Antioxidants on the Oxidative Stability and Rheological Properties of Castor Oil Based-lubricating Greases.

González, M.; Gallego, R.; Romero, M.A.; González-Delgado, J.A.; Arteaga, J.F.; Valencia, C.; Franco, J.M. *Ind. Crops Prod.* **2016**, *87*, 297-303.

12. Ti-Mediated Efficient Reductive Dehalogenation of Carbon-Halogen Bonds.

González-Delgado, J.A.; Prieto, C.; Enríquez, L.; Jaraiz, M.; López-Pérez, J.L.; Barrero, A.F.; Arteaga, J.F. *Asian J. Org. Chem.* Accepted. DOI: 10.1002/ajoc.201600169

13. Hydrogels Porphyrin Nanoparticles-based for Topical Antimicrobial Photodynamic Therapy.

González-Delgado, J.A.; Castro, P.; Machado, A.; Araújo, F.; Rodrigues, F.; Ferreira, M.; Tomé, J.P.C.; Sarmiento, B. *Int. J. Pharm.*, Submitted.