



BIOGRAPHICAL SKETCH

NAME Daniela Andreia Dias Batista		POSITION TITLE Master student	
EDUCATION / TRAINING			
INSTITUTION AND LOCATION	DEGREE	DATE	FIELD OF STUDY
Universidade de Lisboa, Faculdade de Ciências	Master	Ongoing	Chemistry, Health and Nutrition
Universidade de Lisboa, Faculdade de Ciências	Graduation	07/12	Chemistry

Scientific Interests

Phytochemistry, Organic Synthesis, Green Chemistry, Carbohydrate Chemistry, Medicinal Chemistry, Extracts/Compounds Biological Activities.

Research Activity

- 01.05.2013 – ongoing: Master thesis, entitled “Investigação da glicosilação de fenóis catalisada por montmorillonite K-10”, supervised by Prof. Amélia Pilar Rauter (CQB-FCUL) and co-supervised by Prof. Carlos Borges (CQB-FCUL);
- 1.10.2011 – 25.9.2013: Biological activities of *Genista tenera* and *Salvia sclareoides* extracts, Synthesis of starting materials for the coupling of phenols mediated by zeolite HY to glucose, Isolation and structural characterization of new antitumor agents from *Artemisia gorgonum*;
- 1.10.2010 – 23.9.2011: Graduation thesis, entitled “Estudo de *Genista tenera* para a pesquisa de novos antidiabéticos de origem natural”, supervised by Prof. Amélia Pilar Rauter (CQB-FCUL) and co-supervised by Dr^a Alice Martins (CQB-FCUL).

Publications

Papers in peer reviewed journals

"*In Vitro* Antitumoral Activity Compounds Isolated from *Artemisia gorgonum* Webb" Alice Martins, Rukmini Mignon, Marina Bastos, Daniela Batista, Nuno R. Neng, José M. F. Nogueira, Catarina Vizetto-Duarte, Luisa Custódio, João Varela, Amélia P. Rauter, *Phytotherapy Research*, **2014**, 28 (9), 1329-1334.

Conferences (communications, participation, organization)

Poster communications (* presenting author)

"*Salvia sclareoides* as a source of functional food ingredients to prevent neurodegenerative disorders", Daniela Batista*, Pedro Falé, Maria Luísa Serralheiro, Alice Martins, Catarina Dias, Jorge Justino, Amélia P. Rauter, 12th Food Chemistry Meeting – 12th EQA, Lisbon, Portugal, September 2014;

"Phenols' Glycosilation Promoted by Acid Zeolites", Daniela Batista*, Ana Assunção, A. Rita Jesus, Miguel M. Santos, Ana P. Carvalho, Amélia P. Rauter, CQB Day, Lisbon, Portugal, July 2014 ;

"*Salvia sclareoides* as a source of functional food ingredients to prevent neurodegenerative disorders", Alice Martins*, Daniela Batista, Pedro Falé, Maria Luísa Serralheiro, Maria Eduarda Araújo, Catarina Dias, Amélia P. Rauter, CQB Day, Lisbon, Portugal, July 2014;

"Phenolic Composition, Anti-inflammatory and Antioxidant Properties of *Genista tenera* *n*-butanol extract", Alice Martins*, Daniela Batista, Maria Eduarda Araújo, Paulo J. A. Madeira, Carlos Borges, Isabel Torgal, Jorge Justino, Amélia Pilar Rauter, 8th International Society of Antioxidants in Nutrition and Health Congress on Polyphenols Applications – ISANH Polyphenols, Lisbon, Portugal, June 2014;

"Chemical analysis of *Salvia sclareoides* volatile oil obtained by supercritical fluid extraction", Daniela Batista*, Alice Martins, Catarina Dias, Clara Grosso, António M. F. Palavra, Amélia P. Rauter, 4th Portuguese Young Chemists Meeting – 4th PYCheM, Coimbra, Portugal, May 2014;

"Anti-inflammatory Activity of *Genista tenera* *n*-Butanol Extract and Evaluation of its Stability under Gastrointestinal Conditions", Daniela Batista*, Alice Martins, Pedro Falé, Luísa Serralheiro, Maria Eduarda M. Araújo, Paulo A. Madeira, Carlos Borges, Amélia Pilar Rauter, 10^o Encontro Nacional de Química Orgânica, 1^o Encontro Luso-Brasileiro de Química Orgânica, Lisbon, Portugal, September 2013;

"*Genista tenera*, a promising plant for diabetes type 2 and Alzheimer's disease", A. Rita Jesus*, Alice Martins, Catarina Dias, Daniela Batista, Diana Mendes, Maria Eduarda Araújo, Pedro Falé, Luisa Serralheiro, Rogério T. Ribeiro, Paula Macedo, Margarida Goulart, Jorge Justino, Cristina Airoidi, Francesco Nicotra, Jesus Barbero, Amélia P. Rauter, CQB Day, July 2013;

“ESI-MS/MS⁺ Fragmentation of Phenolic Compounds present in *Genista tenera* Extracts”, Daniela Batista*, Diana Mendes, Humberto E. Ferreira, José Condenço, Inês Fernandes, David Duarte, Alice Martins, Amélia P. Rauter, 3rd National Meeting on Medicinal Chemistry – 3ENQT, Aveiro, Portugal, November 2012;

“Phytochemical Composition and Bioactivity Studies of *Genista tenera* Extracts”, Alice Martins*, Amélia P. Rauter, Daniela Batista, Margarida Goulart, Isabel Torgal, Jorge Justino, 11th Food Chemistry Meeting – 11th EQA, Bragança, Portugal, September 2012;

“Antioxidant Activity of *Salvia sclareoides* herbal tea after *in vitro* gastrointestinal digestion”, Daniela Batista*, Pedro Falé, Alice Martins, Maria Luisa Serralheiro, Amélia P. Rauter, 11th Food Chemistry Meeting – 11th EQA, Bragança, Portugal, September 2012;

“Chemical composition, digestibility, antioxidant and anticholinesterase activities of *Salvia sclareoides* Brot. Infusion”, Daniela Batista*, Pedro Falé, Alice Martins, Catarina Dias, Paulo A. Madeira, Luisa Serralheiro, Amélia P. Rauter, 6th Spanish-Portuguese-Japanese Organic Chemistry Symposium, Lisbon, Portugal, July 2012;

“Chemical Composition and antimicrobial activity of *Salvia sclareoides* Brot. Extracts”, Daniela Batista*, Alice Martins, Isabel Branco, Catarina Dias, Ana Neves, Jorge Justino, Amélia P. Rauter, 3rd Portuguese Young Chemists Meeting – 3rd PYChem, Porto, Portugal, May 2012;

“Characterization of *Genista tenera* flavonoid glycosides by ESI-MS/MS”, Daniela Batista*, Diana Mendes, Alice Martins, Paulo A. Madeira, Humberto Ferreira, Amélia P. Rauter, Glycosciences in the International Year of Chemistry-Applications to Human Health and Disease, Lisbon, Portugal, September 2011;

“Butanol Extract Characterization of the Antidiabetic Plant *Genista tenera*”, Daniela Batista*, Alice Martins, Amélia P. Rauter, XXII Encontro Nacional da SPQ, Braga, Portugal, July 2011;

“Caracterização fitoquímica dos extractos aquoso e butanólico de *Genista tenera*”, Daniela Batista*, Diana Mendes, Alice Martins, Amélia P. Rauter, Ciência QB - 1^o Encontro de alunos de Doutoramento do Departamento de Química e Bioquímica da Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal, June 2011.

As member of the local organizing committee

- 6th Spanish-Portuguese-Japanese Organic Chemistry Symposium – 6th SPJOCS, FCUL (Faculdade de Ciências da Universidade de Lisboa), Lisbon, Portugal, July 2012;
- Glycosciences in the International Year of Chemistry Applications to Human Health and Disease, FCUL, (Faculdade de Ciências da Universidade de Lisboa), Lisbon, Portugal, September 2011;
- CORM V, (carbohydrates as organic raw materials, building a sustainable future), FCUL (Faculdade de Ciências da Universidade de Lisboa), Lisbon, Portugal, January 2009;

Other activities

Other formation activities

- Update course of two days lectured by Prof. Dr. Jesus Jimenez-Barbero entitled “NMR and Molecular Recognition” at Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal, February 2011.
- Update course of three days lectured by Prof. Dr. Hans Peter Wessel (Hoffman-La Roche) entitled “Industrial Drug Research” at Faculdade de Ciências da Universidade de Lisboa, Lisbon, Portugal, May 2010.
- Update course of three days lectured by Prof. Dr. Beat Ernst entitled “Molecular Mechanisms of Drugs” at Faculdade de Ciências da Universidade de Lisboa, Lisboa, Portugal, September 2009.

Languages

Mother tongue: Portuguese

Other languages:

- English: excellent level of speaking, reading and writing
- French: medium level of speaking, reading and writing