

Curriculum Vitae

Personal information **Olga Maria Palomino**

Work experience

1. Employer: University Complutense Madrid
 - Start date: 05/2009
 - End date:
 - Position: Full Professor
 - Activities: Responsible for the theoretical and practical classes of Pharmacognosy and Phytotherapy and Pharmacology for undergraduate students in Pharmacy. • Post_graduate and master lectures related to Phytotherapy, Manufacturing (control of raw material, in_process and finished product specifications) or Legal framework of Herbal medicines at European level. • Invited speaker in several Courses or conferences related to Phytotherapy, Manufacturing (control of raw material, in_process and finished product specifications) or Legal framework of Herbal medicines at European level. • PhD Direction: 3 • Direction of Final Year Dissertations: 13 • Direction of Research studies (DEA): 2 • Direction of Collaborating Grants for Students UCM : 5 • Tutor of Erasmus Students within the Department of Pharmacology, Faculty of Pharmacy UCM: 7 • Lectures as invited speaker at national/international courses
 - Country: Spain
2. Employer: University Complutense Madrid
 - Start date: 10/2006
 - End date: 05/2009
 - Position: Assistant Professor
 - Activities:

Professor for practical classes on Pharmacology/ Pharmacognosy

Researcher member of the Research Group "Pharmacology of Natural products" from the Pharmacology Department, Faculty of Pharmacy, UCM. The research lines followed by this group cover the study of several pharmacological activities that are based on the antioxidant ability of those compounds found in vegetal species with therapeutical interest, namely a) Neuroprotective activity. This research is developed on cellular lines from the neuroglia such as astrocytes (U_373 MG) and neurons (pc12). b) Antitumoral activity research on those cellular lines proposed by the National Cancer Institute (NCI): MCF_7, UACC_62 and TK.10. c) Vascular protective activity on primary cultures from aortic smooth_muscle cells from rat. d) Chemical analysis: identification, isolation and characterization of the active compounds.

3. Employer: Arkopharma Laboratoires
 - Start date: 11/1999
 - End date: 09/2006
 - Position: Technical Assistant
 - Activities:

Responsible for Development of Application Dossiers for different medicinal products for human use in the European Union: Herbal Medicinal Products, OTC medicines, Prescription medicines.

Responsible for new Herbal products formula development under different Legal status (THMP, Food Supplements)

Technical Assistant for Research Department (R+D)
Invited to several meetings and courses on Phytotherapy and Herbal products Legal Status

4. Employer: National Institute of Agriculture Research
 - Start date: 09/1997
 - End date: 12/1999
 - Position: Researcher
 - Activities:

Development of chromatographic analysis (HPLC_GC) from different vegetal samples. Writing up Congress communications and scientific manuscripts.

5. Employer: National Institute of Agriculture Research
 - Start date: 09/1999
 - End date: 11/1999
 - Position: Researcher
 - Activities:

Development of chromatographic analysis (HPLC_GC) from different vegetal samples. Writing up Congress communications and scientific manuscripts.

- Country: Spain

Education and training

1. Subject: University Complutense de Madrid
 - Start date: 1071984
 - End date: 0671989
 - Qualification: Degree in Pharmacy
 - Organisation: University Complutense of Madrid
 - Country: Spain
2. Subject: University Complutense of Madrid
 - Start date: 0171990
 - End date: 0571995
 - Qualification: Doctorate degree in Pharmacy
 - Organisation: University Complutense of Madrid
 - Country: Spain

Additional information

Publications

- Rodríguez JL, Berrios P, Clavo ZM, Marín-Bravo M, Inostroza-Ruiz L, Ramos-Gonzalez M, Quispe-Solano M, Fernandez-Alfonso MS, Palomino O, Goya L. Chemical characterization, antioxidant capacity and anti-oxidative stress potential of Southamerican Fabaceae Desmodium tortuosum. *Nutrients* 2023, 15: 746.
- Palomino O, Giordani V, Chowen J, Fernández Alfonso, S, Goya L. Physiological Doses of Oleic and Palmitic Acids Protect Human Endothelial Cells from Oxidative Stress. *Molecules* 2022, 27, 5217. <https://doi.org/10.3390/molecules27165217>
- Palomino O, García_Aguilar A, González A, Guillén C, Benito M, Goya L. Biological actions and molecular mechanisms of Sambucus nigra L. in neurodegeneration: a cell culture approach. *Molecules* 2021, 26(16): 4829
- García_Aguilar A, Palomino O, Benito M, Guillén C. Dietary Polyphenols in Metabolic and Neurodegenerative Diseases: Molecular Targets in Autophagy and Biological Effects. *Antioxidants* 2021; 10(2):142. <https://doi.org/10.3390/antiox10020142>
- Apaza L, Sánchez_Rumbero A, Estrada C, Palomino OM. Identification of TRPV1 Ion Channels Agonists of *Tropaeolum tuberosum* in Human Skin Keratinocytes *Planta Med* 2020, DOI 10.1055/a_1264_0572
- Ferreira Martins T, Palomino OM, Álvarez_Cilleros D., Martín MA, Ramos S, Goya L. Cocoa Flavanols Protect Human Endothelial Cells From Oxidative Stress. *Plant Foods for Human Nutrition* 2020, 75:161–168(doi: 10.1007/s11130_020_00807_1)
- Arkoub_Hamitouche L, González_del_Campo V, López_Oliva ME, Fatiha B, Palomino, OM. *Paronychia argentea* Lam. protects renal endothelial cells against oxidative injury. *J. Ethnopharmacol* 2020, 248: 112314 (available on line Oct 17th, 2019 <https://doi.org/10.1016/j.jep.2019.112314>)
- González-Cofrade L, de las Heras B, Apaza L, Palomino OM. Molecular targets involved in the neuroprotection mediated by terpenoids. *Planta Medica* 2019, DOI 10.1055/a_0953_6738
- Abuashwashi M, Palomino OM*, Gómez_Serranillos MP. Análisis de la composición del aceite esencial de Rosmarinus officinalis L. y estudio preliminar de su actividad antioxidante. *Ars Pharm* 2018, 259_264. ISBN: 978_84_943468_5_9
- de las Heras B, Ortega T, Palomino O, Benedi J. UCMspace_comunica))), a web space as a multidisciplinary learning tool for the improvement of scientific communication. *Basic & Clinical Pharmacology & Toxicology* 2018, 123, Suppl 2: 75 (meeting abstract: P113)
- Abuashwashi, M.A.; Palomino, O.M; Gómez_Serranillos M.P. Rosmarinus officinalis L. Essential Oil Protects Astrocytes against Oxidative Damage. *Journal of Pharmacology & Clinical Research* 2017, 2(5): 555598. DOI: 10.19080/JPCR.2017.02.555598. Abuashwashi, M.A.;
- Palomino, O.M; Gómez_Serranillos M.P. Rosmarinus officinalis L. Essential Oil Protects Astrocytes against Oxidative Damage. *Journal of Pharmacology & Clinical Research* 2017, 2(5): 555598. DOI: 10.19080/JPCR.2017.02.555598.
- Moura de Gouveia N, Ramos S, Martín MÁ, Espíndola FS, Goya L, Palomino OM. *Vochysia rufa* Stem Bark Extract Protects Endothelial Cells against High Glucose Damage. *Medicines (Basel)*. 2017, 4(1). pii: E9. doi: 10.3390/medicines4010009.
- Palomino, O.M.; Gouveia N.M, N.M.; Ramos, S.; Martín, M.A.; Goya, L. Protective effect of *Silybum marianum* on endothelial cells submitted to high glucose concentration. *Planta Med* 2017, Jan;83(1_02):97_103. doi: 10.1055/s_0042_113135. Epub 2016 Aug 15.
- Abuashwashi, M.A.; Palomino, O.M*; Gómez_Serranillos M.P. Preliminary Studies on the Protective Effect of Rosmarinus officinalis on Astrocytes. *Journal of Pharmacology & Clinical Research* 2016, 1(1): 555556 DOI 10.19080/JPCR.2016.01.555556
- Abuashwashi, M.A.; Palomino, O.M*; Gómez_Serranillos M.P. Geographic origin influences the phenolic composition and antioxidant potential of wild *Crataegus monogyna* from Spain. *Pharmaceutical Biology* 2016, DOI: 10.1080/13880209.2016.1179769
- López, A., El_Naggar, T., Dueñas, M., Ortega, T., Estrella, I., Hernández, T., Gómez_Serranillos, M.P., Palomino, O.M. and Carretero, M.E. Influence of Processing in the Phenolic Composition and Health_Promoting Properties of Lentils (*Lens culinaris* L.). *Journal of Food Processing and Preservation* 2016, DOI:10.1111/jfpp.13113
- Palomino, O.M. Regulation of Herbal (traditional) Medicinal Products in the European Union. *Pharmaceut Reg Affairs* 2015, 4: 142. DOI: 10.4172/2167_7689.1000142
- López A, Palomino O, Ortega T, Carretero E. Protective Effect of Anthocyanidins on Astrocytes and Apoptosis Induced by Oxidative Damage. *Planta Medica letters* 2015, 05/2015; 2(01):e19_e24. DOI:10.1055/s_0035_1545938 M
- Abuashwashi M, Palomino O, Gómez-Serranillos P. Variability in the polyphenolic composition and antioxidant ability of wild Rosmarinus officinalis L. collected in Spain *Planta Medica* 2014, 10/2014; 80(16). DOI:10.1055/s_0034_1395100
- Palomino O.M. Current knowledge in Polypodium leucotomos effect on skin protection. *Arch Dermatol Res* 2014, DOI 10.1007/s00403_014_1535_x
- Fernández, L.F.; Palomino, O.M.; Frutos, G. Effectiveness of Rosmarinus officinalis essential oil as antihypotensive agent in primary hypotensive patients and its influence in Health_Related Quality of Life. *J. Ethnopharmacol* 2013, 151: 509_516. doi: 10.1016/j.jep.2013.11.006.
- Eissa, T.A.F.; Palomino, O.M.; Carretero, M.E.; Gómez_Serranillos, M.P. Ethnopharmacological study of medicinal

plants used in the treatment of CNS disorders in Sinai peninsula, Egypt. *J. Ethnopharmacol* 2013, 151: 317–332. doi: 10.1016/j.jep.2013.10.041i

Gómez_Serranillos, M.P.; Palomino, O.M.; Ortega, M.T.; Carretero, M.E. Recent advances on Medicinal plants with Antifungal Activity. In: *Antifungal Metabolites from Plants*. 2013, pp 167–230. Ed. Springer. Mehdi Razzaghi_Abyaneh, Mahendra Rai Editors. Heidelberg (The Netherlands). ISBN 978_3_642_38075_4

López, A.; El_Naggar, T.; Dueñas, M.; Ortega, T.; Estrella, I.; Hernández, T.; Gómez_Serranillos, M.P.; Palomino O.M.; Carretero, M.E. Effect of cooking and germination on phenolic composition and biological properties of dark beans (*Phaseolus vulgaris* L.) *Food Chemistry* 2013, 138(1), 547–555

Gómez_Serranillos, M.P.; Martín, S.; Ortega, M.T.; Palomino O.M.; Prodanov, M.; Vacas, V.; Hernández, T.; Estrella, I.; Carretero, M.E. Study of Red Wine Neuroprotection on Astrocytes. *Materiae Vegetabiles* 2012, 64(4), 238–243

Gómez_Serranillos, M.P.; Palomino O.M. Quercetin: Natural Sources and Health Benefits. In: *Quercetin: Dietary Sources, Functions and Health Benefits*. 2012. Nova Science Publishers. Hauppauge, NY, EEUU. ISBN: 978_1_61942_057_1

Gómez_Serranillos, M.P.; Ortega, M.T.; Palomino O.M.; Carretero, M.E. Advances in Medicinal Plants with Antitumoral Activity pp 412–471. In: *Medicinal Plants. Biodiversity and Drugs*. 2012. Science Publishers. M. Rai, G.A. Cordell, J.L. Martinez, M. Marinoff, L. Rastrelli, Eds, Enfield, New Hampshire, EEUU. ISBN: 978_1_57808_000_0

Carretero, M.E.; Gómez_Serranillos, M.P.; Ortega, M.T.; Palomino O.M. Medicinal Plants used in Folk Medicine for Digestive Diseases in Central Spain, pp 361–387. In: Mahendra Rai, Deepak Acharya, José Luis Ríos, Eds. 2011. *Ethnomedical Plants*. Science Publishers Enfield, New Hampshire. ISBN: 978_1_57808_696_2

Amo de Paz, G.; Raggio, P.; Gómez_Serranillos, M.P.; Palomino, OM; González_Burgos, E.; Carretero, M.E.; Crespo, A. HPLC Isolation Of Antioxidant Constituents From Xanthoparmelia ssp. *J. Pharm. Biomed. Anal.* 2010, DOI 10.1016/j.jpba.2010.04.013

El_Naggar, T.; Gómez_Serranillos, M.P.; Palomino O.M.; Arce, C.; Carretero, M.E. Nigella sativa L. modulates the neurotransmitter amino acids release in neuronal culture *J. Biomed. Biotech.* 2010, DOI: 10.1155/2010/398312

Palomino OM, Varela F, Navarrete P, Gómez_Serranillos, M.P., Ortega T, Carretero, M.E., Cases M.A. Variation in the Essential Oil composition of Rosmarinus officinalis Collected from Different Spanish Locations in the Andalucia Region *Acta Horticulturae* 2010, 860, 249–253

González_Burgos, E.; Gómez_Serranillos, M.P.; Palomino, O.M.; Carretero, M.E. Aspectos botánicos y farmacológicos del género Sideritis. *Revista de Fitoterapia* 2009, 9(2), 133–145

Palomino, O. Gómez_Serranillos, M.P.; Carretero, M.E. Determinación del contenido de isoflavonas en medicamentos por cromatografía líquida de alta resolución. *Industria Farmacéutica* 2009, 147, 90–96

Gómez_Serranillos, M.P.; Martín, S.; Ortega, T.; Palomino O.M.; Prodanov, M.; Vacas, V.; Hernández, T.; Estrella, I.; Carretero, M.E. Study of red wine neuroprotection on astrocytes. *Plant Foods Hum Nutr* 2009, 64, 238–243

Palomino O.M.; Carretero, M.E.; Gómez_Serranillos, M.P.; Ortega, T. Taxonomía y organografía de las especies vegetales. Clasificación. Monografías, 3(2), pp. 53–78. In : Fundación UNED Ed. (2009) Programa Modular sobre Nutrición, Dietética, Plantas Medicinales y Homeopatía. Madrid, Spain.

Gómez_Serranillos, M.P.; Carretero, M.E.; Palomino O.M.; Ortega, T. Cultivo, recolección y procesado de plantas medicinales, 3(3), pp. 109–132. In : Fundación UNED Ed. 2009. Programa Modular sobre Nutrición, Dietética, Plantas Medicinales y Homeopatía. Madrid, Spain.

Carretero, M.E.; Gómez_Serranillos, M.P.; Ortega, T.; Palomino O.M. Tratamiento fitoterápico de las cefaleas, 6(2), pp. 155–174. In : Fundación UNED Ed. 2009. Programa Modular sobre Nutrición, Dietética, Plantas Medicinales y Homeopatía. Madrid, Spain. Ortega, T.;

Carretero, M.E.; Gómez_Serranillos, M.P.; Palomino O.M. Plantas con acción reductora de la absorción de lípidos y azúcares, hipolipemiantes y antiateromatosas, hipoglucemiantes, uricosúricas. Tratamiento fitoterápico de las hiperlipidemias, hiperglucemias y uricosúrias, 6(3), pp. 264–309. In : Fundación UNED Ed. 2009. Programa Modular sobre Nutrición, Dietética, Plantas Medicinales y Homeopatía. Madrid, Spain.

Ortega, T.; Carretero, M.E.; Gómez_Serranillos, M.P.; Palomino O.M. Plantas coadyuvantes en los trastornos del sobrepeso: Plantas saciantes y disminuidoras de la absorción, plantas inhibidoras del apetito, plantas inhibidoras de la lipogénesis, plantas con actividad termogénica, plantas depurativas. Plantas para situaciones especiales, 6(3), pp. 310–358. In : Fundación UNED Ed. 2009. Programa Modular sobre Nutrición, Dietética, Plantas Medicinales y Homeopatía. Madrid, Spain.

Carretero, M.E.; Palomino O.M.; Ortega, T.; Gómez_Serranillos, M.P. Tratamiento fitoterápico de la cistitis. Tratamiento y prevención de las litiasis y arenillas renales, 6(6), pp. 119–141. In : Fundación UNED Ed. 2009. Programa Modular sobre Nutrición, Dietética, Plantas Medicinales y Homeopatía. Madrid, Spain.

Naval López, M.V.; Gómez_Serranillos Cuadrado, M.P.; Palomino Ruiz_Poveda, O.M.; Villar del Fresno, A.; Carretero Accame, M.E. Neuroprotective effect of individual ginsenosides on astrocytes primary culture. *Biochim et Biophys Acta General Subject* 2007, 1770(9), 1308–1316

Buendía, E; Palomino, O. Control de calidad de las plantas medicinales. Procesos de transformación de plantas en medicamentos, pp. 57–66. In: *Manual de Fitoterapia*. 2007. Elsevier_Masson, Madrid, Spain. ISBN: 978_84_458_1797_1

Palomino, O. Repercusión de la nueva normativa de complementos alimenticios sobre las especialidades farmacéuticas publicitarias *Industria Farmacéutica* 2003, 109: 55–65

Buendía, E; Palomino, O. Comercialización de plantas medicinales según el marco legal escogido *Industria Farmacéutica* 2002, 98: 102–8.

Buendía, E; Palomino, O. Plantas medicinales de calidad farmacéutica Ibérica, *Actualidad Tecnológica* 2000, 429: 199–203

Carretero, E; Gómez_Serranillos, MP; Slowing, K; Ortega, T; Buendía, E; Palomino, O; Quintela, JC; Martínez, C; Puerto, R. (2000) Plantas medicinales y fitoterapia: docencia, industria y dispensación *Industria Farmacéutica* 2000, 3: 65–70

Palomino, O.M.; Gómez_Serranillos MP, Slowing K, Carretero, E.; Villar, A. Study of polyphenols in grape berries by reversed_phase high_performance liquid chromatography *J. of Chromatogr A* 2000, 870: 449–451

Palomino, O.M.; Gómez_Serranillos, M.P.; Slowing, K.; Carretero, M.E.; Villar, A.; Valderrama, M.; Álvarez_Sala, L.A.; Millán, J. La variabilidad en el contenido de antioxidantes de diversos vinos tintos y blancos como potencial condicionante de diversos efectos biológicos *Arteriosclerosis* 2000, 11(1): 35

Gómez_Serranillos MP; Carretero, E.; Slowing K; Palomino, O.M.; Villarrubia A; Villar A. HPLC quantitative analysis of Diterpenoids in Sideritis (Labiatae) Species. *Phytotherapy Research* 1998, 12: 101–3

Pascual, O; Gómez_Serranillos, M.P.; Slowing, K.; Palomino, O.M.; Carretero, M.E.; Villar, A. Nuevo método para el análisis de cis y trans resveratrol por HPLC en fase reversa. *Ars Pharm* 1998, 31: 215-8

Gómez_Serranillos MP; Palomino, O.M.; Carretero, E.; Villar A. Analytical study and analgesic activity of Oripavine from Papaver somniferum L. *Phytotherapy Research* 1998, 12: 346-9

Gómez_Serranillos MP; Palomino, O.M.; Carretero, E.; Villar A; Cases MA. A new HPLC method for the analysis of ginsenosides of Panax ginseng. *Fitoterapia* 1997, 6: 533-6

Gómez_Serranillos M.P.; Palomino O.M.; Villarrubia A.I.; Cases M.A.; Carretero E.; Villar A. Analysis of diterpenoids from Sideritis species by reversed-phase HPLC. *J. of Chromatogr A* 1997, 778: 421-5

Palomino O.M.; Gómez_Serranillos M.P.; Carretero E.; Cases M.A. Variation in the Flavonoid content of Origanum x majoricum in different plant stages by HPLC. *Planta Medica* 1997, 63: 584

Palomino, O.M.; Gómez_Serranillos, M.P.; Slowing, K.; Carretero, M.E.; Villar, A. Estudio farmacognóstico preliminar de Carlina corymbosa L. *Pharm Med* 1996, 11: 153-4

Palomino O.M.; Söllhuber, M.; Carretero, E.; Villar, A. () Isoscutellarein_7_glucosyl (1_2) xyloside from different species of Sideritis. *Phytochemistry* 1996, 42(1): 101-2

Palomino O.M.; Gómez_Serranillos, P.; Carretero, E.; Villar, A. High_performance liquid chromatography of flavonoids from Sideritis species. *J. of Chromatogr A* 1996, 731: 103-8

Palomino O.M.; Gómez_Serranillos, P.; Carretero, E.; Villar, A. Flavonoides presentes en los extractos hexánicos de diez especies del Género Sideritis (Labiatae). *Ars. Pharm.* 1992, 33: 473-8 Peer reviewer for the Elsevier Journal Food Chemistry (Elsevier Limited, Oxford, United Kingdom) since 2011

Projects

Title: Crosstalk entre los astrocitos hipotalámicos y el tejido adiposo perivascular en el metabolismo energético y la función cardiovascular: impacto de modificaciones en la dieta Entidad financiadora: Ministerio de Ciencia, Innovación y Universidades (BFU2017_82565_C2_2_R) Dpto Farmacología, Farmacognosia y Botánica 2019_2022

Title: Filogenia molecular, sistemática y avances en la biología evolutiva de la familia liquénica Parmeliaceae (Ascomycota) Entidad financiadora: Ministerio de Ciencia e Innovación (CGL2013_42498_P) Dpto Biología Vegetal y Dpto Farmacología UCM. 2013 – 2017

Title: Updating a DNA barcoding method for identification of lichen species using Parmeliaceae as a model Ministry of Science and Innovation (CGL2010_21646) Department of Vegetal Biology, Department of Pharmacology, UCM. The Field Museum of Chicago From January 2009 until December 2012

Title: Evaluation of biological activities and valuation of bioactive components as quality markers of crude and processed pulses Ministry of Science and Technology (AGL2008_05673_C02_01) Department of Pharmacology UCM, CSIC, UAM

Title: Prospección, Recolección y Conservación de germoplasma, caracterización química, selección, estudios de propagación y cultivo ecológico en poblaciones silvestres de plantas aromáticas y medicinales de la flora española. Programa Sectorial I+D Agrario y Alimentario (INIA, MAPA) Instituto Nacional de Investigaciones Agrarias, MAPA. From January 2005 until December 2008

Title: Evaluation of biological activity of Spanish red wines and biodirected isolation of their active principles Ministry of Science and Technology From October 2006 until December 2007 Title: Improvement of medicinal and aromatic plants cultivation in unfavorable areas Programa Sectorial I+D Agrario y Alimentario (Project SC94_117, INIA, MAPA) Instituto Nacional de Investigaciones Agrarias, MAPA From October 2006 until December 2007

Title: Implantación en la Canaleja de una colección viva de especies y variedades autóctonas o naturalizadas preseleccionadas para su conservación y la potencial utilización de sus recursos filogenéticos Programa Sectorial I+D Agrario y Alimentario (Project RF94_029, INIA, MAPA) Instituto Nacional de Investigaciones Agrarias, MAPA From September 1999 until November 1999

Title: Harpagoside identification and quantification by HPLC in marketed simples Instituto de Terapias Biológicas S.L. Universidad_Empresa Department of Pharmacology, Faculty of Farmacia UCM From May 2007 until December 2007

Title: Study of natural methodology to improve Vinalopo grape resistance and analysis of its pharmacological properties Consejo Regulador de la Denominación de origen Vinalopó Department of Pharmacology, Faculty of Farmacia UCM From 1999 until 2001 Title: Resveratrol análisis in Vinalopo grape Consejo Regulador de la Denominación de origen Vinalopó Department of Pharmacology, Faculty of Farmacia UCM From February 1999 until May 1999

Title: HPLC analysis of resveratrol content in wines from La Mancha origin Consejo Regulador de la Denominación de origen La Mancha Department of Pharmacology, Faculty of Farmacia UCM From May 1997 until May 1999

Title: Quality control of marketed ginseng preparations EDOCUSA (Organización de Consumidores y Usuarios) Department of Pharmacology, Faculty of Pharmacy UCM From October 1995 until February 1996

Title: Quality control of marketed vegetal species for beverage infusions EDOCUSA (Organización de Consumidores y Usuarios) Department of Pharmacology, Faculty of Pharmacy UCM From January 1995 until April 1995

Memberships

Memberships:

- IUPHAR Mediterranean Group of Natural Products Pharmacology
- Sociedad Farmacéutica del Mediterráneo Latino
- Sociedad Española de Fitoterapia (SEFIT)
- Foreign member of the Commission of Medical Sciences of Polish Academy of Sciences Branch in Lublin (Academic Course 2013_2014)

Other Relevant Information

Congress Communications Prieto P. Cuadrado I, de las Heras B, Palomino O, Ortega T, González L. Fitoterapia desde la atención farmacéutica: uso racional de preparados a base de plantas medicinales en patologías que afectan a la mujer. XII Congreso de Fitoterapia Ciudad de Oviedo – Jornada de SEFIT. Oviedo, 10_11 junio 2022. Vella E, Abuashwashi M, Marí MA, Domínguez Álvarez E, Palomino OM. Preliminary studies on the neuroprotective ability of Paronychia argentea Lam. 1st Joint Meeting on Natural Products Pharmacology_ SIF_SIPHAR_IMGNPP. Naples (Italy), 24_26 febrero 2022 Acero N, Martínez Solís I, Muñoz_Mingarro D, Ortega T, de las Heras B, Palomino OM, Cuadrado I, González L, Prieto P. Diseño, planificación y desarrollo de herramientas digitales y multimedia para la virtualización de clases prácticas de Farmacognosia y Fitoterapia del Grado en Farmacia. II Congreso CEU de Innovación Educativa y Docente (II CEU CIED) – Madrid, 6 julio 2021 Acero N, Muñoz_Mingarro D, Martínez Solís I, Palomino OM, de las Heras B, Cuadrado I, Ortega T. Implementación de la Realidad Aumentada en prácticas y talleres de la asignatura Farmacognosia del Grado de Farmacia. II Congreso Interfacultativo de Innovación Docente

(CIFID_2) Universidad San Pablo CEU_Madrid, 5 julio 2019. Giordani V, Vega E, Fernández_Alfonso M, Goya L. Palomino O. Monounsaturated fatty acids oleic and palmitic protect cultured endothelial cells against oxidative stress. FARMADRID27 _ 27^a Reunión de Farmacólogos de la Comunidad de Madrid. Madrid, 26 de junio de 2018 Palomino O, Benedí J, Fernández_Alfonso MS, Garcimartín A, de las Heras B, Ortega T. Participative learning tools for "Pharmacology" and "Pharmacognosy and Phytotherapy" subjects in the degree of Pharmacy. 26th EAFP Annual Conference. Pharmacy Education: towards pharmaceutical sciences. 16_18 May 2018, Parma (Italia) Marć MA, Domínguez_Alvarez E, Palomino OM, Spengler G, Sanmartín C, Lubelska A, Olejarcz A, Latacz G, Kieć_Kononowicz K, Handzlik J. An comparison of safety profile for two group of anticancer agents: selenoesters and hydantoins. 12th National Organic Chemistry Meeting _ 5th National Medicinal Chemistry Meeting. 17_ 19 Jan 2018, Coimbra (Portugal) Marć MA, Domínguez_Alvarez E, Abuashwashi M, Sanmartín C, Latacz G, Palomino OM, Handzlik J. Pharmaceutical and safety profiles of selenocarbonyl derivatives with noteworthy anticancer activity. (Oral communication). IV Symposium of Medicinal Chemistry Young Researchers. (SEQT) Barcelona (España), 19 May 2017 Gouveia Neire M, Rodrigues WF, Palomino OM, Sousa RMF, Oliveira A, Lago JHG, Santos VB, Lago CL, Goya L, Espindola FS. Phytochemical characterization of *Vochysia rufa* (sapotaceae) stem bark and its protective effect against oxidative stress on endothelial cells. XXIV Simpósio de Plantas Medicinais do Brasil. Belo Horizonte (Brazil), 21_24 Sep 2016 Abuashwashi, M; Palomino, OM; Gómez_Serranillos, P. Análisis de la composición del aceite esencial de *Rosmarinus officinalis* y estudio preliminar de su actividad antioxidante. XXXII Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino. Sevilla (Spain), 14_17 Sep 2016 Gouveia Neire M, Ramos S, Martin MA, Goya L, Palomino O. *Vochysia rufa* stem bark extract protects endothelial cells against high glucose damage. XXXIX Congreso de la Sociedad Española de Bioquímica y Biología Molecular (SEBBM). Salamanca (Spain), 5_8 Sep 2016 Abuashwashi, M; Palomino, OM; Gómez_Serranillos, P. Neuroprotection mediated by the antioxidant ability of *Rosmarinus officinalis* L. essential oil. 6th International Congress of aromatic and Medicinal Plants - CIPAM 2016. Coimbra (Portugal) 29 May_1 June 2016 Palomino, O.M. HPLC_analysis of methanolic extracts from *Rosmarinus officinalis* and their antioxidant activity. Oral communication. IV International Conference and Workshop: Plant – the source of research material. Lublin (Polonia) Sep 2015 Gouveia N.M.; Palomino O.; Sousa, R.M.F.; Oliveira, A.; Lago, J.H.G.; Santos, V.B.; Lago, C.L.; Goya, L.; Espindola, F.S. Phytochemical characterization of the *Vochysia rufa* (Sapotaceae) stem bark extract and its protective effect against oxidative stress on endothelial cells. 23rd International Union for Biochemistry and Molecular Biology (IUBMB) Congress and 44th Annual Meeting of the Brazilian Society for Biochemistry and Molecular Biology – SBBo,Foz do Iguaçu – Brazil – 24_28 August 2015 Olga M. Palomino, Neire M. Gouveia, Sonia Ramos, M. Angeles Martin, Luis Goya. Protective effect of *Silybum marianum* on endothelial cells submitted to high glucose concentration. XXXVIII CONGRESS SEBBM _ VALENCIA September 2015 Lopez_Cid, A; Palomino, O; Carretero, E; Ortega, T. Neuroprotective effects of anthocyanidins on astrocytes and apoptosis induced by oxidative damage. 62nd International Congress and Annual Meeting of the Society of Medicinal Plant and Natural Product Research. Guimarães (Portugal): 31 August – 4 September 2014. Published in: Planta Medica; Issue 16, 2014 Abuashwashi, M; Palomino, O; Gómez_Serranillos, P. Variability in the polyphenolic composition and antioxidant ability of wild *Rosmarinus officinalis* L. collected in Spain. 62nd International Congress and Annual Meeting of the Society of Medicinal Plant and Natural Product Research. Guimarães (Portugal): 31 August – 4 September 2014. Published in: Planta Medica; Issue 16, 2014 Palomino, O.M.; Lantero, M.; Carretero, M. E.; Gómez_Serranillos, M.P. Análisis de los compuestos polifenólicos y de la capacidad antioxidante de *Hieracium pilosella*. XXXI Congreso Internacional Sociedad Farmacéutica del Mediterráneo Latino. Montpellier (Francia). 10_13 Sep 2014. Palomino O.M.; Gómez_Serranillos M.P. Ethnopharmacology study of medicinal plants for Central Nervous System in Egypt Oral communication 3rd International Conference and Workshop : Plant – the source of research material. Lublin (Poland), October 16_18, 2013 Gómez_Serranillos M.P., Palomino O.M. Neuropharmacological studies in *Mentha longifolia* L. Hudson extract in mice Oral communication 3rd International Conference and Workshop : Plant – the source of research material. Lublin (Poland), October 16_18, 2013 El_Naggar T., Gómez_Serranillos M.P., Palomino O.M., Ortega T., Carretero M.E. Estudio preliminar de la capacidad antitumoral de vinos tintos españoles Poster XXXº Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino. Rome (Italy), September 19_22, 2012 Eissa Fahmy, Tarek; Palomino, Olga M.; Carretero, M. Emilia; Gómez_Serranillos, M. Pilar Plantas medicinales de la península de Sinaí con actividad sobre el Sistema Nervioso Central Poster XXXº Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino. Rome (Italy), September 19_22, 2012 López Cid AC; Carretero ME; Palomino Ruiz_Poveda O; Gómez_Serranillos P; Ortega, T. Neuroprotective effect of lentils (Lens culinaris Medik) extract: a possible source of antioxidants Poster FENS 2012_8th Federation of European Neuroscience Societies _ Forum of Neuroscience. Barcelona (Spain), July 14_18, 2012 Isabel Estrella, Teresa Hernández, Ana López, M. Emilia Carretero, Pilar Gómez_Serranillos, Olga Palomino, Teresa Ortega Relationship between the phenolic composition of *Lens culinaris* Medik, and its role on the viability of astrocytes Poster XXVIth International Conference on Polyphenols. Florence (Italy), 2012 López Cid AC, Gómez_Serranillos P, Palomino Ruiz_Poveda O, Carretero ME, Ortega Hernández_Agero T. 6º Evaluación del efecto neuroprotector de antocianidinas en cultivos celulares de astrocitos. Poster 6º Congreso de Fitoterapia de la SEFIT. Pamplona (Spain), 2011 Isabel Estrella, Teresa Hernández, Ana López, Teresa Ortega, Maria Pilar Gómez_Serranillos, Olga María Palomino, María Emilia Carretero Phenolic composition and neuroprotective activity of crude and processed bean extracts Poster 5th International Conference on Polyphenols and Health (ICPH2011), Barcelona (Spain), 2011 Autores: Martín, S.; Gómez_Serranillos, P.; Ortega, T.; Palomino O.; Carretero E.; Estrella, I.; Hernández, T.; Prodanov, M.; Vacas, V. Phenolic compounds of red wines related to neuroprotective and vasodilatory effect" Oral Communication XXXIV World Congress of Vine and Wine. "The Wine Construction". Oporto (Portugal), 2011 González_Burgos, E.; Palomino O.M.; Carretero M.E.; Gómez_Serranillos M.P. Neuroprotección mediada por diterpenos aislados de *Sideritis* spp. frente al estrés oxidativo en astrocitos. Oral Communication XXIX Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino. Granada (Spain), 2010 López Cid, A.; Ortega, T.; Gómez_Serranillos M.P.; Palomino O.M.; Carretero M.E. Efecto de *Lens culinaris* L. cruda y procesada sobre la viabilidad celular de astrocitos Poster XXIX Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino. Granada (Spain), 2010 Carretero, M.E.; Gómez_Serranillos, M.P.; Ortega, M.T.; Palomino, O.M. Plantas medicinales utilizadas popularmente en la Comunidad de Madrid para trastornos digestivos Poster ISE 2010. Albacete (Spain), 2010 González_Burgos, E.; Gómez_Serranillos, M.P.; Palomino, O.M.; Carretero, M.E. Actividad neuroprotectora de diterpenos aislados del género *Sideritis* Oral Communication FARMADRID XIX, Madrid (Spain), 2010 González_Burgos, E.; Gómez_Serranillos, M.P.; Palomino, O.M.; Carretero, M.E. Actividad neuroprotectora de diterpenos tipo ent_kaureno aislados de especies del género *Sideritis* Poster FITO 2009, Lisboa (Portugal), 2009 Amo de Paz, G.; Burgos, E.; Raggio, J.; Gómez_Serranillos, M.P.; Palomino, O.M.; Carretero, M.E.; Crespo, A. HPLC isolation of antioxidant constituents from *Xanthoparmelia* spp Poster RDPA 2009, Milan (Italy), 2009 Porres, M.; Gómez_Serranillos, M.P.; Palomino, O.M.; Cases, M.A.; Varela, F.; Carretero, M.E. GC_analysis of essential oil from *Salvia lavandulifolia* L. and its antioxidant activity Poster RDPA 2009, Milan (Italy), 2009 Palomino, O.M.; Varela, F.; Navarrete, P.; Gómez_Serranillos, M.P.; Ortega, T.; Carretero, M.E.; Cases, M.A. Variation in the Essential Oil composition of *Rosmarinus officinalis* Collected from Different Spanish Locations in the Andalucía Region. Poster ISBMAP2009 Symposium, Ljubljana (Slovenia), 2009 Martín, S.; Gómez_Serranillos, M.P.; Ortega, T.; Palomino, O.M.; Carretero, M.E.; Prodanov, M.; Vacas, V.; Cabellos, M.; Estrella, I.; Hernández, T. Influence of grape variety on neuroprotective and vasodilatory effect of red wines. Poster FAPRONATURA 2009 _ Segundo Simposio Internacional sobre Farmacología de Productos Naturales, La Habana (Cuba), 2009 Martín S.; Gómez_Serranillos M.P.; Palomino O.M.; Ortega T.; Carretero M.E. Neuroprotective ability of Spanish red wine. Poster XXIVth International Conference on Polyphenols, Salamanca (Spain), 2008 Palomino O.M.; Varela F.; Navarrete P.; Gómez_Serranillos M.P.; Ortega T.; Accame M.E.; Cases M.A. Variation in the Essential Oil composition of *Rosmarinus officinalis* L. from different Spanish locations from Andalucía region. Poster ISEO 2008 _ 39th International Symposium on Essential Oils, Quedlinburg (Germany), 2008 Rubio A.; Gómez_Serranillos M.P.; Palomino O.M.; Carretero M.E. Atención farmacéutica en pacientes con terapia de anticoagulación oral. Poster XXVIII Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino, Marsella (France), 2008 Ahmed Fahmi T.; Gómez_Serranillos M.P.; Palomino O.M.; Carretero M.E. Estudio preliminar de *Mentha longifolia* L. procedente del Sinaí. Poster XXVIII Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino, Marsella (France), 2008 El_Naggar T.; Gómez_Serranillos M.P.; Palomino O.M.; Ortega T.; Carretero M.E. Antitumoral Ability of Spanish Red Wine Poster International PSE Symposium on Natural Products in Cancer Therapy, Naples (Italy), 2008 Palomino, O.M.; Sacristán, A.; Hayá, J.; Gómez_Serranillos, M.P.; Carretero, M.E. Value of High Performance Liquid Chromatographic Analysis of Isoflavones in commercial samples. Poster 12as Jornadas de Análisis Instrumental (JAI), Barcelona (Spain), 2008 Amo de Paz, G.; Raggio, J.; Gómez_Serranillos, M.P.; Palomino, O.M.; Martín, S.; Carretero, M.E.; Crespo, A. Analytical and semipreparative HPLC characterization and separation of lichen

substances from Xanthoparmelia genus with biological activity. Poster 12as Jornadas de Análisis Instrumental (JAI), Barcelona (Spain), 2008 Gómez_Serranillos M.P.; Ortega T.; Palomino O.M.; Carretero M.E. Aplicación de las nuevas tecnologías a la enseñanza práctica de Farmacognosia. Oral communication V Jornada: La Innovación Educativa en la UCM, Madrid (Spain), 2008 Martín S.; Gómez_Serranillos M.P.; Palomino O.M.; Naval M.V.; Ortega T.; Carretero M.E. Radical scavenging ability of Spanish red wine Poster 55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz (Austria), 2007 El_Naggar T.; Gómez_Serranillos M.P.; Palomino O.M.; Arce C.; Carretero M.E. Nigella sativa L. activity on aminoacids release in mouse brain structures Poster 55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz (Austria), 2007 Cases A; Navarrete P.; Palomino O.M.; Cuevas G.; Walter I. Thymus zygis essential oil in response to biowastes applications Poster Xth International Colloquium for the Optimization of Plant Nutrition, Cairo (Egypt), 2000 Cases A; Palomino O.M.; Cuevas G.; Walter I. Biowastes application and flavonoids content variation in native Thymus zygis. Poster Xth International Colloquium for the Optimization of Plant Nutrition, Cairo (Egypt), 2000 Slowing K.; Palomino O.M.; Gómez_Serranillos M.P.; Carretero E; Villar A. Polyphenols in wine by reversed_phase HPLC Poster Polyphenols, Wine and Health Symposium, Bordeaux (France), 1999 Gómez_Serranillos M.P.; Palomino O.M.; Slowing K.; Carretero E; Villar A. A new HPLC method for the analysis of Polyphenols in grape berries Poster 23rd International Symposium on High Performance Liquid Phase Separations and related Techniques HPLC'99, Granada (Spain), 1999 Palomino O.M.; Slowing K.; Gómez_Serranillos M.P.; Pascual O.; Carretero E; Villar A. Quantitative HPLC analysis of polyphenolic compounds in Spanish wine Poster 23rd International Symposium on High Performance Liquid Phase Separations and related Techniques HPLC'99, Granada (Spain), 1999 Cases M.A.; Palomino O.M.; Navarrete P. Variation in the phenolic acid content of Origanum vulgare ssp virens (Labiateae) by reversed_phase HPLC Poster 23rd International Symposium on High Performance Liquid Phase Separations and related Techniques HPLC'99, Granada (Spain), 1999 Palomino O.M.; Gómez_Serranillos M.P.; Carretero E; Cases A. Variación del contenido en ácidos fenólicos de Origanum x majoricum en diversos estadios de la planta, por HPLC Oral Communication I Congreso Forestal Hispano_Luso_ II Congreso Forestal Español: IRATI 97, Pamplona (Spain), 1997 Palomino O.M.; Gutiérrez M.P.; Cases A. Relación entre el contenido en ácidos fenólicos y macro y micronutrientes de Origanum x majoricum en distintos períodos de su ciclo vegetativo Poster I Congreso Forestal Hispano_Luso_ II Congreso Forestal Español: IRATI 97, Pamplona (Spain), 1997 Palomino O.M.; Isabel F; Navarrete P; Cases M.A. Relación entre el contenido en ácidos fenólicos, flavonoides y aceite esencial de Origanum x majoricum I Congreso Forestal Hispano_Luso_ II Congreso Forestal Español: IRATI 97, Pamplona (Spain), 1997 Palomino, O.M.; Gómez_Serranillos, MP; Slowing K; Carretero, E.; Villar, A. Estudio farmacognóstico preliminar de Carlina corymbosa L. Poster XXII Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino, Montpellier (France), 1996 Palomino, O.M.; Cases, A.; Gómez_Serranillos, P; Carretero, E. Variación en el contenido en flavonoides en Origanum x majoricum Cambessedes (Labiateae) en diversos estadios de la planta, por HPLC Poster 8a Jornadas de Análisis Instrumental (JAI), Barcelona (Spain), 1996 Palomino, O.M.; Gutiérrez, M.P.; Gómez_Serranillos, M.P.; Carretero, E.; Cases, A. Relación entre el contenido en macro y micronutrientes y flavonoides en Origanum x majoricum en distintos períodos de su ciclo vegetativo Poster 8a Jornadas de Análisis Instrumental (JAI), Barcelona (Spain), 1996 Gómez_Serranillos, M.P.; Palomino, O.M.; Villarrubia, A.I.; Cases, M.A.; Carretero, E.; Villar, A. Análisis de terpenos en cuatro especies del Género Sideritis (Labiateae) por HPLC_RP Poster 8a Jornadas de Análisis Instrumental (JAI), Barcelona (Spain), 1996 Gómez_Serranillos, M.P.; Palomino, O.M.; Villarrubia, A.I.; Cases, M.A.; Carretero, E.; Villar, A. Comportamiento cromatográfico de terpenos en HPLC, con metanol como modificador orgánico Poster 8a Jornadas de Análisis Instrumental (JAI), Barcelona (Spain), 1996 Gómez_Serranillos, M.P.; Palomino, O.M.; Carretero, E.; Cases, M.A.; Villar, A. Análisis de ginsenósidos en Panax ginseng por HPLC. Aplicación a la determinación cuantitativa en muestras comerciales Poster 8a Jornadas de Análisis Instrumental (JAI), Barcelona (Spain), 1996 Palomino, O.M.; Gómez_Serranillos, MP; Carretero, E.; Villar, A. Flavonoides del Género Sideritis (Lamiaceae) por HPLC Poster 7a Jornadas de Análisis Instrumental (JAI), Madrid (Spain), 1995 Palomino, O.M.; Carretero, E.; Villar, A. Flavonoids from the Ethereal extracts of ten species of the Genus Sideritis (Labiateae) Poster Phytochemistry of Plants used in Traditional Medicine. Simposium Internacional de la Sociedad Fitooquímica de Europa, Laussane (Switzerland), 1993 Palomino, O.M.; Carretero, E.; Villar, A. Flavonoides presentes en los extractos hexánicos de diez especies del Género Sideritis (Labiateae) Poster XX Congreso Internacional de la Sociedad Farmacéutica del Mediterráneo Latino, Granada (Spain), 1992 Doctoral Thesis Direction Title: "Estudio de la actividad sobre SNC de especies vegetales procedentes de la flora egipcia" Doctorate: Tarek Eissa Universidad Complutense de Madrid Faculty of Pharmacy Date: December, 3rd 2012 Maximum calification (Sobresaliente cum laude por unanimidad) Title: "Estudio analítico y de la actividad antioxidante de especies aromáticas de la península Ibérica" Doctorate: Manal Abuashwas Universidad Complutense de Madrid Faculty of Pharmacy July 11th 2017 Title: "Elaboración y caracterización Galénica de formulaciones fitoterápicas" Doctorate: Sara Safi Akmi Universidad: Complutense de Madrid Faculty of Pharmacy July 14th 2017 ERASMUS STUDENTS WITHIN ERASMUS PROGRAM in UCM Effect of physiological doses of oleic and palmitic acids on human endothelial cells submitted to oxidative stress. Maddalena Cotardo. Feb_July 2022 Extraction and fractionation techniques for vegetal material and in vitro techniques for the study of the antioxidant ability (ORAC, DPPH) of bioactive compounds. Maddalena Cappelotto. March_July 2019 Pharmaceutical and safety profiles of selenocarbonyl derivatives with noteworthy anticancer activity. Małgorzata Anna Marć. Jan_July 2017 Preliminary studies on the phenolic composition and antioxidant ability of Paronychia argentea Lam. and isolated components. Enrica Vella, Jan_July 2017 Polyphenol content and antioxidant activity of Nicotiana tabacum leaves. Dayane Quinteros, Academic course 2012_2013 Phytochemical and antioxidant screening of commercial samples of Ginkgo biloba leaves. Liam Connolly, University of London. Academic course 2012_2013 Antioxidant activity of flavonoids from Pilosella officinarum. Gabriela Szaro, Medical University of Lublin. Academic course 2011_2012 Qualitative analysis of Hamamelis virginiana and the examination of its anti_oxidative effect using Oxigen Radical Absorbance Capacity (ORAC). Gangotri Darji, University of London. Academic course 2009_2010 AWARDS • 1989, Award of the Faculty of Pharmacy for the Pharmacy_Grade Academic Course 1988/1989, UCM • 1990_1993, Predoctoral Grant from the UCM for the development of the Doctoral Thesis experimental work