

Resumen Curriculum Vitae

María Jesús Giráldez Fernández.

Doctora en Optometría, Óptica y Ciencias de la Visión (2010; UCM)

Titular de Universidad (acreditada a CU)

Facultad de Óptica y Optometría. USC

Área propia de Optometría. Departamento de Física Aplicada

MERITOS DOCENTES E INVESTIGADORES:

Quinquenios docentes: 6

Sexenios de investigación: 4. Tramos: 1995- 2000; 2005-2010; 2011-2016; 2018-2023.

ACTIVIDAD INVESTIGADORA

MJ Giráldez cuenta con un índice h de 18 en base a un total de 95 documentos con un total de 1041 citaciones en 833 documentos (métrica de Scopus), y un índice h de 23 (índice i10 de 46), en base a un total de 1513 citas según google académico.

Forma parte del grupo de investigación GI-2092 Optometría, de la USC, grupo que forma parte del Instituto de Investigación Sanitaria de Santiago de Compostela (IDIS) como Grupo Asociado Clínico, con el código: AC24, en el área de Plataformas y Metodología. Es miembro de la Clínica Universitaria de Optometría de la USC, el Servicio de Optometría.

Publicaciones en los últimos 5 años

- 1 **Artículo científico.** Pena-Verdeal H; Garcia-Queiruga, J; Castro-Giráldez, A; Sabucedo-Villamarín, B; Garcia-Resua, C; Giraldez, MJ; Yebra-Pimentel, E. 2026. Effects of HP-Guar Nano-emulsion Artificial Tears on Symptoms and Severity of Meibomian Gland Dysfunction in Evaporative Dry Eye During a 90-Day Longitudinal Study. *Ophthalmic and Physiological Optics*. Springer Nature. ISSN 0275-5408. <https://doi.org/10.1007/s44402-026-00089-1>
- 2 **Artículo científico.** María Puente-Iglesias; Andrea Cuartero-Martínez; Rosario Touriño-Peralba; et al; Ana Castro-Balado; María Jesús Giráldez. 2026. Long-term clinical outcomes of 0.015% tacrolimus HPβCD eye drops in ocular surface inflammatory disorders. *European Journal of Pharmaceutical Sciences*. Elsevier. 219, pp.107459-10. ISSN 1879-0720. JCR (4.7). <https://doi.org/10.1016/J.EJPS.2026.107459>
- 3 **Artículo científico.** Pena-Verdeal, Hugo; Garcia-Queiruga, Jacobo; Sabucedo-Villamarín, Belén; Garcia-Resua, Carlos; Giraldez, Maria J.; Yebra-Pimentel, Eva. 2025. Advancing Diagnostics with Semi-Automatic Tear Meniscus Central Area Measurement for Aqueous Deficient Dry Eye Discrimination. *Medicina*. Multidisciplinary Digital Publishing Institute (MDPI). 61-8. ISSN 1010-660X. JCR (2.4). <https://doi.org/10.3390/medicina61081322>
- 4 **Artículo científico.** Noya-Padín V; Nores-Palmas N; Sabucedo-Villamarín, B; Giraldez Maria J; Yebra-Pimentel E; pena-Verdeal H. 2025. Comparing Close-Field and Open-Field Autorefractometry and Subjective Refraction. *Journal of Clinical Medicine* (Q1). Multidisciplinary Digital Publishing Institute (MDPI). ISSN 2077-0383. JCR (2.9). <https://doi.org/10.3390/jcm14165680>
- 5 **Artículo científico.** Sabucedo-Villamarín B; García-Queiruga J; Pena-Verdeal H; Garcia-Resua C; Yebra-Pimentel E; Giraldez Maria J. 2025. Diagnostic Cut-Off Values Based on Lipid Layer Pattern for Dry Eye Disease Subtypes Assessment. *Journal Clinical*

Medicine (Q1). MDPI. 12-2, pp.1-13.

<https://doi.org/10.3390/jcm14020623>

- 6 **Artículo científico.** Noya-Padín V; Pena-Verdeal H; Nores-Palmas N; Giraldez MJ; Yebra-Pimentel E. 2025. Intraocular pressure fluctuations assessment in professional wind instrument players. Clin Exp Optom (Q3). 9, pp.1-6. ISSN 0816-4622. JCR (1.9).
<https://doi.org/10.1080/08164622.2024.2301983>
- 7 **Artículo científico.** Sabucedo-Villamarín B; Garcia-Queiruga J; Pena-Verdeal H; Ginzo-Villamayor MJ; Garcia-Resua C; Giraldez MJ; Yebra-Pimentel E. 2025. Long-Term Study of the Changes in Symptoms and Signs of Dry Eye Disease in Participants Non-Adherent to Treatment. Life (Q1). MDPI. 15-11, pp.1783.
<https://doi.org/10.3390/life15111783>
- 8 **Artículo científico.** Sabucedo-Villamarín B; Garcia-Queiruga J; Cacabelos-Torres L; Giraldez MJ; Yebra-Pimentel E; Pena-Verdeal H. 2025. Short-Term Changes in Tear Film Stability and Tear Volume Following the Application of Various DED Management Options in a Healthy Young Population. Journal of Personalized Medicine (Q1). MDPI.
<https://doi.org/10.3390/jpm15050173>
- 9 **Artículo científico.** Pena-Verdeal H; Noya-Padín, V; Garcia-Queiruga, J; Nores-Palme, N; Giraldez, MJ; Yebra-Pimentel, E. 2024. Temporal Variations in Convergence Insufficiency Symptomatic Status among University Students before and after COVID-19: A Longitudinal Analysis from 2018 to 2023. Life (Q1). MDPI. 14-800, pp.1-8. ISSN 2075-1729. JCR (3.2).
<https://doi.org/10.3390/life14070800>
- 10 **Artículo científico.** Pena-Verdeal H; García-Queiruga J; Sabucedo-Villamarín B; Garcia-Resua C; Giraldez MJ; Yebra-Pimentel E. 2024. A Comprehensive Study on Tear Meniscus Height Inter-eye Differences in Aqueous Deficient Dry Eye Diagnosis. Journal of Clinical Medicine (Q2). MDPI. 13-3, pp.659. ISSN 2077-0383. JCR (3.9).
<https://doi.org/10.3390/jcm13030659>
- 11 **Artículo científico.** Noya-Padín, V; Nores-Palmas, N; Castro-Giraldez, A; Giraldez, Maria J; Pena-Verdeal, H; Yebra-Pimentel, E. 2024. A Mathematical Model for Axial Length Estimation in a Myopic Pediatric Population Based on Easily Obtainable Variables. Photonics (Q2). 11-7. ISSN 23046732.
<https://doi.org/10.3390/photonics11070664>
- 12 **Artículo científico.** Noya-Padín V; Pena-Verdeal H; Garcia-Queiruga J; Sampedro-Mariño I; Giraldez MJ; Yebra-Pimentel E. 2024. Agreement on Anterior Chamber Depth Measurement between Three Commercially Available Devices. Photonics (Q2). MDPI. 11-4, pp.377. ISSN 23046732. JCR (2.676).
<https://doi.org/10.3390/photonics11040377>
- 13 **Artículo científico.** Garcia-Queiruga J; Pena-Verdeal H; Ferreiro-Figueiras D; Noya-Padín V; Giraldez MJ; Yebra-Pimentel E. 2024. Assessing neophyte response to daily disposable silicone hydrogel contact lenses: A randomised clinical trial investigation over one month. Ophthalmic Physiol Opt. (Q1). Wiley-Blackwell. 44-2, pp.689. ISSN 0275-5408. JCR (2.8).
<https://doi.org/10.1111/opo.13328>
- 14 **Artículo científico.** Pena-Verdeal, H; Garcia-Queiruga, J; Sabucedo-Villamarín, B; Garcia-Resua, C; Giraldez, Maria J; Yebra-Pimentel E. 2024. Association between dry eye disease subtypes and rheumatoid arthritis. Egyptian Rheumatologist (Q4). ELSEVIER. 46-4, pp.161-165. ISSN 1110-1164. JCR (1.0).
<https://doi.org/10.1016/j.ejr.2024.06.002>
- 15 **Artículo científico.** Noya-Padín V; Nores-Palmas N; Garcia-Queiruga J; Giraldez MJ; Pena-

Verdeal H; Yebra-Pimentel E. 2024. Associations between Ocular Biometry, Refractive Error, and Body Characteristics. *Photonics* (Q2). 11-2, pp.165. ISSN 2304-6732. JCR (2.676).

<https://doi.org/10.3390/photonics11020165>

- 16 Artículo científico.** Pena-Verdeal H; Garcia-Queiruga J; Sabucedo-Villamarin B; Giraldez MJ; García-Resúa C; Yebra-Pimentel E. 2024. Capability of the Inter-Eye Differences in Osmolarity, Break-Up Time and Corneal Staining on the Diagnostic of Dry Eye. *Ocul Immunol Inflamm.* (Q2). TAYLOR & FRANCIS INC. 5, pp.1-8. ISSN 0927-3948. WOS (3). JCR (3.300).

<https://doi.org/10.1080/09273948.2023.2285449>

- 17 Artículo científico.** Puente-Iglesias M; Cuartero-Martinez A; Touriño-Peralba R; et al; Castro-Balado A; Giraldez MJ. 2024. Clinical Effectiveness, Safety, and Compliance of Two Compounded Formulations of Tacrolimus Eye Drops: An Open-Label, Sequential Prospective Study. *International Journal of Molecular Sciences* (Q1). 25-18, pp.1-14. ISSN 16616596. JCR (7.9).

<https://doi.org/10.3390/ijms25189847>

- 18 Artículo científico.** Nores-Palmas N; Noya-Padin V; Yebra-Pimentel E; Giraldez MJ; Pena-Verdeal H. 2024. Comparison of Four Methods for Measuring Heterophoria and Accommodative Convergence over Accommodation Ratio. *Vision.* 8-4. ISSN 2411-5150. <https://doi.org/10.3390/vision8040062>

- 19 Artículo científico.** Garcia-Queiruga J; Pena-Verdeal H; Sabucedo-Villamarin B; Paz-Tarrio M; Guitian-Fernandez E; Garcia-Resua C; Yebra-Pimentel E; Giraldez MJ. 2024. Meibum Lipidomic Analysis in Evaporative Dry Eye Subjects. *International Journal of Molecular Science* (Q1). MDPI. 25-9, pp.4782. ISSN 1661-6596.

<https://doi.org/10.3390/ijms25094782>

- 20 Artículo científico.** Pena-Verdeal H; García-Queiruga J; Sabucedo-Villamarin B; Giraldez MJ; Yebra-Pimentel E. 2024. Tear film osmolarity variation between weeks in healthy and dry eye disease subjects | Variação semanal da osmolaridade do filme lacrimal em indivíduos saudáveis e com síndrome do olho seco. *Arquivos Brasileiros de Oftalmologia* (Q3). 87, pp.e2022.

<https://doi.org/10.5935/0004-2749.2022-0043>

- 21 Artículo científico.** Garcia-Queiruga J; Pena-Verdeal H; Sabucedo-Villamarin C; Garcia-Resua C; Giraldez MJ; Yebra-Pimentel E. 2024. Temporal progression of entry factors into the vicious circle of Dry Eye in untreated sufferers. *Life* (Q1). MDPI. 14-7, pp.806. ISSN 2075-1729.

<https://doi.org/10.3390/life14070806>

- 22 Artículo científico.** Garcia-Queiruga, J; pena-Verdeal, H; Sabucedo-Villamarin B; Giraldez, MJ; Garcia-Resua C; Yebra-Pimentel E. 2023. A cross-sectional study of non-modifiable and modifiable risk factors of dry eye disease states. *Cont Lens Anterior Eye* (Q1). Elsevier. 25, pp.1-14. ISSN 1367-0484.

<https://doi.org/10.1016/j.clae.2022.101800>

- 23 Artículo científico.** Garcia-Queiruga J; Pena-Verdeal H,; Sabucedo-Villamarin B; Garcia-Resua C; Giraldez MJ; Yebra-Pimentel E. 2023. Analysis of the Differences in Ocular Surface Damage and Inflammatory Signs between Healthy and Evaporative Dry Eye Participants. *Ocul Immunol Inflamm* (Q2). TAYLOR & FRANCIS INC. 31-5, pp.970-977. ISSN 0927-3948.

<https://doi.org/10.1080/09273948.2022.2075398>

- 24 Artículo científico.** Noya-Padín V; Nores-Palmas N; Giraldez MJ; Yebra-Pimentel E; Pena-Verdeal H. 2023. Comparison Between Ocular Biometric Parameters and Intraocular

Pressure With and Without Contact Lenses. Eye Contact Lens (Q2). LIPPINCOTT WILLIAMS & WILKINS. 49-11, pp.464-470. ISSN 1542-2321.

<https://doi.org/10.1097/ICL.0000000000001030>

- 25 Artículo científico.** Castro-Balado A; Cuartero-Martínez A; Pena-Verdeal H; et al; Fernández-Ferreiro A.; (10/13) Giraldez MJ. 2023. Cysteamine Eye Drops in Hyaluronic Acid Packaged in Innovative Single-Dose Systems, Part II: Long-Term Stability and Clinical Ocular Biopermanence. *Pharmaceutics* (Q1). MDPI. 15-11, pp.2589. ISSN 1999-4923.
<https://doi.org/10.3390/pharmaceutics15112589>
- 26 Artículo científico.** Pena-Verdeal H; Garcia-Resua C; Garcia-Queiruga J; Sabucedo-Villamarín B; Yebra-Pimentel E; Giraldez MJ. 2023. Diurnal variations of tear film osmolarity on the ocular surface. *Clin Exp Optom* (Q3). TAYLOR & FRANCIS LTD. 106-4, pp.351-361. ISSN 0816-4622.
<https://doi.org/10.1080/08164622.2022.2051697>
- 27 Artículo científico.** Noya-Padin V; Garcia-Queiruga J; Iacubitchii M; Giraldez MJ; Yebra-Pimentel E; Pena-Verdeal H. 2023. Lenstar LS900 vs Echoscans US-800: comparison between optical and ultrasound biometry with and without contact lenses and its relationship with other biometric parameters. *Expert Review of Medical Devices* (Q3). TAYLOR & FRANCIS LTD. 29-8, pp.681-690. ISSN 1743-4440.
<https://doi.org/10.1080/17434440.2023.2233410>
- 28 Artículo científico.** Sabucedo-Villamarín B; Pena-Verdeal H; Garcia-Queiruga J; Giraldez MJ; Garcia-Resua C; Yebra-Pimentel E. 2023. Longitudinal analysis of variation in status and diagnostic stability of untreated dry eye disease. *Ocular Surface* (Q1). ELSEVIER. 29, pp.298-300. ISSN 1542-0124.
<https://doi.org/10.1016/j.jtos.2023.06.004>
- 29 Artículo científico.** Garcia-Queiruga J; Pena-Verdeal H; Sabucedo-Villamarín B; Giraldez MJ; García-Resua C; Yebra-Pimentel E. 2023. Meibomian gland secretion quality association with ocular parameters in university students during COVID-19 restrictions. *International Ophthalmology*. *International Ophthalmology*. (Q3). Springer Nature. 24, pp.1-14. ISSN 0165-5701.
<https://doi.org/10.1007/s10792-023-02632-2>
- 30 Artículo científico.** Sabucedo-Villamarín B; Pena-Verdeal H; García-Queiruga J; Giraldez MJ; García-Resúa C; Yebra-Pimentel E. 2022. Categorization of the Aqueous Deficient Dry Eye by a Cut-Off Criterion of TMH Measured with Tearscope. *Life* (Q2). MDPI. 12, pp.2007.
<https://doi.org/10.3390/life12122007>
- 31 Artículo científico.** Pena-Verdeal H; Noya-Padin V; Losada-Oubina M; Saborido-Rey M; Vilas-Alonso M; Giraldez MJ. 2022. Changes of symptomatology, tear film and ocular surface integrity one week during Somofilcon-A and Omafilcon-A lens wear. *European Journal of Ophthalmology* (Q4). SAGE Journals. 33-2, pp.890-899. ISSN 1120-6721.
<https://doi.org/10.1177/11206721221131131>
- 32 Artículo científico.** Pena-Verdeal H; Ramos L; García-Queiruga J; García-Resúa C; Giraldez MJ; Yebra-Pimentel E. 2022. Validation of a New Software Application for Tear Breakup Measurement. *Optometry and Vision Science* (Q3). Wolters Kluwer. 99-2, pp.159-166.
<https://doi.org/10.1097/OPX.0000000000001852>