

Part A. PERSONAL INFORMATION

CV date	18/01/2022
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First and Family name	Felipe García Pinillos		
Social Security, Passport, ID number	15450770-Z	Age	35
Researcher codes	Open Researcher and Contributor ID (ORCID**)	0000-0002-7518-8234	
	SCOPUS Author ID (*)	56168838000	
	WoS Researcher ID (*)	D-9738-2019	

(*) *Optional*

(**) *Mandatory*

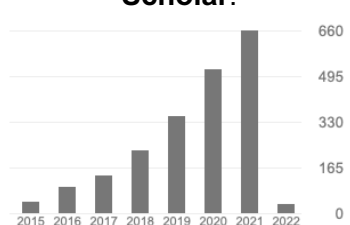
A.1. Current position

Name of University/Institution	Faculty of Sports Sciences, University of Granada		
Department	Department of Physical Education and Sports		
Address and Country	Granada, Spain		
Phone number	660062066	E-mail	fgpinillos@ugr.es
Current position	Associate Professor (CONTRADO DOCTOR INDEFINIDO)	From	24/02/2020
Key words	Biomechanics, Performance, Physiology, Injury Prevention, Health, Wearables, Athletics, Running, Locomotion.		

A.2. Education

	PhD, Licensed, Graduate	University	Year
PhD in Health Sciences		Jaén	2016
Master Degree in High Performance in Cyclical Sports		Murcia	2020
Master Degree in Injury Prevention and Return to Sport		Jaén	2017
Master Degree in Research and Teaching in Physical Activity and Health		Jaén	2011
Degree in Physical Activity and Sport Sciences		Granada	2010

A.3. General indicators of quality of scientific production (see instructions)

<p>Citation Index by Google Scholar:</p> <ul style="list-style-type: none"> Nº Citations h-index i10-index 	<p><u>global</u></p> <p>2146</p>	<p><u>from 2017</u></p> <p>1964</p>	<p>Impact in Web of Science:</p> <p>Sum of times cited = 1028</p> <p>H-index= 15</p>																	
	<p>133 Articles in scientific journals:</p> <p>Total of JCR articles: 143</p> <p>first quartil Q1: 37</p> <p>second quartil Q2: 38</p> <p>third quartil Q3: 26</p> <p>fourth quartil Q4: 42</p>	<p>Citations in Google Scholar:</p>  <table border="1"> <caption>Citations in Google Scholar (2015-2022)</caption> <thead> <tr> <th>Year</th> <th>Citations</th> </tr> </thead> <tbody> <tr><td>2015</td><td>~10</td></tr> <tr><td>2016</td><td>~20</td></tr> <tr><td>2017</td><td>~40</td></tr> <tr><td>2018</td><td>~80</td></tr> <tr><td>2019</td><td>~150</td></tr> <tr><td>2020</td><td>~300</td></tr> <tr><td>2021</td><td>~550</td></tr> <tr><td>2022</td><td>~10</td></tr> </tbody> </table>		Year	Citations	2015	~10	2016	~20	2017	~40	2018	~80	2019	~150	2020	~300	2021	~550	2022
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<p>6 Thesis supervised</p> <p>4 Thesis in development</p>			<p>(1) Books</p> <p>(3) Book Chapters</p>																	

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Felipe García Pinillos reached his Degree in Sports Sciences at University of Granada (2010), and his Master Degree in Research and Teaching in Physical Activity and Health at



University of Jaen (2011). His academic background also includes a Master Degree in Injury Prevention and Return to Sport (2017, University of Jaén) and a Master Degree in High Performance in Endurance Sports (2020, University of Murcia).

He started his PhD project as a fellow researcher at the University of Jaen (2013-2016). From that moment, his main research interest was related to performance optimization in endurance athletes by determining the metabolic, physiological, neuromuscular and biomechanical impact of different programs. Related to this topic, he stayed at different laboratories (e.g., Liverpool John Moores University, Sport & Health Institute at the University of Granada and Sport Physiology laboratory at the University of La Frontera), and finally got his PhD Degree (2016) at University of Jaen (awarded as Extraordinary Mention by University of Jaen, 2019).

When he finished his PhD studies, he started working for University of La Frontera (Temuco, Chile) as a postdoctoral researcher. The candidate stayed there for 2.5 years and keep investigating and teaching about training and its application to different contexts (from performance optimization to injury management). Finally, on February 2020, the candidate started teaching as an Associate Professor at the Faculty of Sport Sciences (University of Granada).

From 2013 up to date, he has published 163 papers, including 143 documents published in journals indexed JCR: 37 papers published in Q1 journals, 38 in Q2, 26 in Q3 and 42 studies published in Q4 journals. In 113 out of those 142 papers published, the candidate is first or last author. Following the citation index by Google Scholar, these papers has been cited 2146 times from 2017, and the candidate shows a H-INDEX of 23.

In order to cover the academic and research activity of the candidate, it is worth noting that he has presented more than 70 communications in both international and national conferences. At the same time, he has taught for longer than 1,500 h in different universities (national and internationals), he has supervised 6 Thesis Projects and he has collaborated with different sport clubs and associations.

The candidate takes part of a Research Team (Biomecánica y Ergonomía para la Salud y el Deporte, CTS-545) and he has also participated in different Research Projects with financial support from public institutions. Finally, during his post-doc period, he lead two research projects supported by local institutions (Universidad of La Frontera, Chile) and now he is leading a research project supported by the Spanish Research and Development Ministry.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

García-Pinillos, F., Jaén-Carrillo, D., Soto Hermoso, V., Latorre Román, P., Delgado, P., Martínez, C., & Roche Seruendo, L. (2020). Agreement Between Spatiotemporal Gait Parameters Measured by a Markerless Motion Capture System and Two Reference Systems-a Treadmill-Based Photoelectric Cell and High-Speed Video Analyses: Comparative Study. *JMIR MHealth and UHealth*, 8(10).

Jaén-Carrillo, D., Roche-Seruendo, L. E., Cartón-Llorente, A., Ramírez-Campillo, R., & **García-Pinillos, F.** (2020). Mechanical Power in Endurance Running: A Scoping Review on Sensors for Power Output Estimation during Running. *Sensors*, 20(22), 6482.

García-Pinillos, Felipe, Lago-Fuentes, C., Jaén-Carrillo, D., Bujalance-Moreno, P., Latorre-Román, P. Á., Roche-Seruendo, L. E., & Ramírez-Campillo, R. (2020). Strength Training Habits in Amateur Endurance Runners in Spain: Influence of Athletic Level. *International Journal of Environmental Research and Public Health* 2020, Vol. 17, Page 8184, 17(21), 8184.

García-Pinillos, Felipe, Lago-Fuentes, C., Latorre-Román, P. A., Pantoja-Vallejo, A., & Ramírez-Campillo, R. (2020). Jump-Rope Training: Improved 3-km Time-Trial Performance in Endurance Runners via Enhanced Lower-Limb Reactivity and Foot-Arch Stiffness. *International Journal of Sports Physiology and Performance*, 12, 1–7.

García-Pinillos, Felipe, Latorre-Román, P. Á., Ramírez-Campillo, R., & Roche-Seruendo, L. E. (2019). Agreement between spatiotemporal parameters from a photoelectric system with different filter settings and high-speed video analysis during running on a treadmill at

- comfortable velocity. *Journal of Biomechanics*, 93, 213–219.
- García-Pinillos, Felipe**, Molina-Molina, A., Párraga-Montilla, J. A., & Latorre-Román, P. A. (2019). Kinematic alterations after two high-intensity intermittent training protocols in endurance runners. *Journal of Sport and Health Science*, 8(5), 442-449.
- García-Pinillos, Felipe.**, Roche-Seruendo, L. E., Marcen-Cinca, N., Marco-Contreras, L. A., & Latorre-Román, P. A. (2018). Absolute reliability and concurrent validity of the Stryd system for the assessment of running stride kinematics at different velocities. *Journal of Strength and Conditioning Research*, in press, 1–8. DOI: 10.1519/JSC.0000000000002595
- García-Pinillos, F.**, Cámara-Pérez, J. C., Soto-Hermoso, V. M., & Latorre-Román, P. A. (2017). A high intensity interval training (HIIT)-based running plan improves athletic performance by improving muscle power. *The Journal of Strength & Conditioning Research*, 31(1), 146-153.
- García-Pinillos, Felipe**, Soto-Hermoso, V. M., & Latorre-Román, P. A. (2017). How does high-intensity intermittent training affect recreational endurance runners? Acute and chronic adaptations: A systematic review. *Journal of Sport and Health Science*, 6(1), 54–67.
- Román, P. A. L., Balboa, F. R., & **García-Pinillos, F.** (2017). Foot strike pattern in children during shod-unshod running. *Gait & posture*, 58, 220-222.

C.2. Research projects

Project: “Desarrollo de asesores virtuales y su validación en un proyecto educativo integral para población deportista de Bachillerato, formación profesional y universitaria (EduSport) Ref. PID2020-115600RB-C21.

Convocatoria 2020 de Proyectos I+D+i en el Marco del Programa Estatal de Generación del Conocimiento y Fortalecimiento Científico y Tecnológico del Sistema de I+D+i

Funding received: 36,421 €.

Duration: 3 years (2021-2024).

IP1: Víctor Manuel Soto Hermoso;

IP2: Felipe García Pinillos

Project: “Relación entre las nuevas métricas para el análisis de rendimiento en corredores y métricas tradicionales y umbrales de trabajo fisiológicos y biomecánicos”.

Ref. DI19-0023. Concurso DIUFRO – Convocatoria 2019. Plan Propio de la Universidad de La Frontera (Temuco, Chile).

Funding received: 5,400 €.

Duration: 2 years (from June-2018 to May-2020).

IP: Felipe García Pinillos

Project: “Desarrollo de un prototipo de exoesqueleto pasivo adaptado a bota técnica, para la optimización de la locomoción humana, válido para el ámbito militar y civil (ExoLimb2)”. Ref.5974.

Convocatoria 2017 de Ayudas a Actividades de Transferencia de Conocimiento entre los Agentes del Sistema Andaluz del Conocimiento y el Tejido Productivo, Plan Andaluz de I+D+I (PAIDI 2020).

Funding received: 90,000 €.

Duration: 1 year (2019-2020).

IP: Víctor Manuel Soto Hermoso.

Role: Researcher

Project: “Optimización de la eficiencia de un exoesqueleto pasivo para la locomoción del soldado de tierra” (EXOSOLDIER).

Ref. 9-18. Project funded by “Centro Mixto UGR-MADOC”.

Funding received: 7,000 €.

Duration: 1 year (2018-2019).

IP: Víctor Manuel Soto Hermoso.

Role: Researcher

Project: “Análisis de la prevalencia de altas capacidades y talento en niños de 6-12 años de la provincia de Jaén y su relación con variables sociodemográficas” (TALENT PROJECT). Project funded by “Instituto de Estudios Giennenses”.

Funding received: 3,500 €.
Duration: 2 year (2017-2019).
IP: Pedro Angel Latorre Román.

Role: Researcher

Project: “Desarrollo y análisis de la eficacia de un prototipo de exoesqueleto pasivo para la mejora de la eficiencia y la salud en gestos de locomoción del soldado de tierra” (EXOLIMB).

Ref. 22-16. Project funded by “Centro Mixto UGR-MADOC”.

Funding received: 6,000 €.

Duration: 1 year (2016-2017).

IP: Víctor Manuel Soto Hermoso.

Role: Researcher

Project: “Monitorización y fomento de hábitos saludables, mediante una plataforma basada en sensores portables y asesores virtuales, para la promoción del envejecimiento activo en población activa y mayor” (AVISAME).

Ref. DEP2015-70980-R. Plan Estatal de I+D+i, convocatoria Retos.

Funding received: 102,850 €.

Duration: 3 years (2016-2018).

IP: Víctor Manuel Soto Hermoso.

Role: Researcher

Project: “Influencia de las relaciones parentales sobre la actividad física, obesidad juvenil, calidad de vida, y rendimiento académico en adolescentes de Andalucía”.

Plan Propio de Apoyo a la Investigación de la Universidad de Jaén.

Funding received: 8,959 €.

Duration: 2 years (from march-2014 to march-2016).

IP: Emilio José Martínez López.

Role: Researcher

Project: “Sistema ergonómico integral para la evaluación de la locomoción como predictor de la calidad de vida relacionada con la salud en mayores” (ERGOLOC).

Ref. DEP2012-40069. Plan Nacional de I+D+i, convocatoria de Investigación Fundamental.

Funding received: 50,820 €.

Duration: 3 years (from jan-2013 to dec-2015).

IP: Víctor Manuel Soto Hermoso.

Role: Researcher

Project: “Análisis de la prevalencia de actividad física y su relación con variables sociodemográficas, estilos de vida y salud percibida en la población jinenense de 18-65 años”.

Project funded by “Instituto de Estudios Giennenses”.

Funding received: 3,600 €.

Duration: 2 year (2011-2013).

IP: Pedro Angel Latorre Román.

Role: Researcher

C.3. Contracts, technological or transfer merits

Research Contract: “Exoesqueleto pasivo adaptado a la bota” (ExoBoot).

Ref. 10032/18/0053/00 (2018/ SP03390102/00000158).

Project funded by Ministry of Defense of Spain. SEDEF Dir. Gen. Armamento y Material.

Funding: 65,000 €.

Duration: 4 months.

IP: V.M. Soto.

Role: Researcher