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Pablo Floría, PhD. Sports Sciences

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Education

Sep 2004 – Dec 2006 **Universidad Autónoma de Madrid**
Doctor of Philosophy, Ciencias de la Actividad Física y del
Deporte
Madrid, Spain

Sep 1995 – Jul 1999 **European University of Madrid**
Bachelor of Applied Science, Ciencias de la Actividad Física y del
Deporte
Madrid, Spain

Thesis

Pablo Floría: *Análisis biomecánico del lanzamiento de disco. Categorización de variables de eficacia de la técnica.* 12/2006, Degree: PhD

Research Experience

Oct 2007 – present **Lecturer**
Universidad Pablo de Olavide, Department of Sports and
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Journal Publications

- Sánchez-Sixto, A., Harrison, A. J., & Floría, P. (2019). La importancia de la profundidad del contramovimiento en el ciclo estiramiento-acortamiento. *Revista Internacional de Medicina y Ciencias de La Actividad Física y El Deporte*, 19(73), 33–44. <https://doi.org/10.15366/rimcafd2019.73.003>
- Floría, P., Sánchez-Sixto, A., & Harrison, A. J. (2019). Application of the principal component waveform analysis to identify improvements in vertical jump performance. *Journal of Sports Sciences*, 37(4), 370–377. <https://doi.org/10.1080/02640414.2018.1504602>
- Naranjo Orellana, J., Sanchez Sixto, A., De La Cruz Torres, B., Sarabia Cachadiña, E., Floría, P., & Berral de la Rosa, F. J. (2018). Multiscale time irreversibility: Is it useful in the analysis of human gait? *Biomedical Signal Processing and Control*, 39, 431–434. <https://doi.org/10.1016/j.bspc.2017.08.017>
- Floría, P., Sánchez-Sixto, A., Ferber, R., & Harrison, A. J. (2018). Effects of running experience on coordination and its variability in runners. *Journal of Sports Sciences*, 36(3), 272–278. <https://doi.org/10.1080/02640414.2017.1300314>
- Floría, P., Gómez-Landero, L. A., Suárez-Arrones, L., & Harrison, A. J. (2016). Kinetic and kinematic analysis for assessing the differences in countermovement jump performance in rugby players. *Journal of Strength and Conditioning Research*, 30(9), 2533–2539. <https://doi.org/10.1519/JSC.0000000000000502>
- Floría, P., Gómez-Landero, L. A., & Harrison, A. J. (2015). Centre of pressure correlates with pyramid performance in acrobatic gymnastics. *Sports Biomechanics*, 14(4), 424–434. <https://doi.org/10.1080/14763141.2015.1084032>
- Noriega-Sánchez, S. A., Legaz-Arrese, A., Suarez-Arrones, L., Santalla, A., Floría, P., & Munguía-Izquierdo, D. (2015). Forced inspiratory volume in the first second as predictor of front-crawl performance in young sprint swimmers. *Journal of Strength and Conditioning Research*, 29(1), 188–194. <https://doi.org/10.1519/JSC.0000000000000634>

- Ferro, A., Villacieros, J., Floría, P., & Graupera, J. L. (2014). Analysis of speed performance in soccer by a playing position and a sports level using a laser system. *Journal of Human Kinetics*, 44(1), 143–153.
<https://doi.org/10.2478/hukin-2014-0120>
- Floría, P., & Harrison, A. J. (2014). The influence of range of motion versus application of force on vertical jump performance in prepubescent girls and adult females. *European Journal of Sport Science*, 14(SUPPL.1), S197–S204.
<https://doi.org/10.1080/17461391.2012.679316>
- Floría, P., Gómez-Landero, L. A., & Harrison, A. J. (2014). Variability in the application of force during the vertical jump in children and adults. *Journal of Applied Biomechanics*, 30(6), 679–684. <https://doi.org/10.1123/jab.2014-0043>
- Ferro, A., & Floría, P. (2013). Differences in 200-m sprint running performance between outdoor and indoor venues. *Journal of Strength and Conditioning Research*, 27(1), 83–88. <https://doi.org/10.1519/JSC.0b013e31824f21c6>
- Floría, P., & Harrison, A. J. (2013). The effect of arm action on the vertical jump performance in children and adult females. *Journal of Applied Biomechanics*, 29(6), 655–661. <https://doi.org/10.1123/jab.29.6.655>
- Floría, P., & Harrison, A. J. (2013). Ground reaction force differences in the countermovement jump in girls with different levels of performance. *Research Quarterly for Exercise and Sport*, 84(3), 329–335.
<https://doi.org/10.1080/02701367.2013.813896>
- González Jurado, J. A., Pérez Amate, M. del M., & Floría, P. (2012). Diferencias en parámetros cinemáticos del golpeo en fútbol entre hombres y mujeres. *Revista Internacional de Medicina y Ciencias de La Actividad Física y El Deporte*, 12(47), 431–443.
- González Jurado, J. A., Moreno, V., & Floría, P. (2011). Análisis por fotogrametría 3D de la técnica de swing de una golfista profesional. *Revista Internacional de Medicina y Ciencias de La Actividad Física y Del Deporte*, 11(42), 236–254.

Patents

Pablo Floría, Amelia Ferro: *Sistema de análisis cinemático en tiempo real para entrenamientos y competiciones deportivas*. Ref. No: ES-2331170-B2, Year: 11/2010

Conference Proceedings

Alberto Sánchez-Sixto, Pablo Floría, Elena Sarabia, Blanca de la Cruz, Francisco José Berral, José Naranjo: *High variability of peripheral arterial disease patients appears at the beginning of a walking trial*. ESMAC 25th Annual Meeting, Seville; 09/2016, DOI:10.1016/j.gaitpost.2016.07.215

Pablo Floría, Alberto Sánchez-Sixto, Reed Ferber, Andrew J Harrison: *Gait coordination variability between trained runners and non-runners*. 34th International Conference on Biomechanics in Sports; 07/2016

Alberto Sanchez-Sixto, Andrew J Harrison, Pablo Floría: *Simple instructions on the crouch position improve performance in the countermovement jump*. 34th International Conference on Biomechanics in Sports; 07/2016

Pablo Floría, Luis Arturo Gómez-Landero, Andrew Harrison: *Balance variability during the pyramid execution in acrobatic gymnastics*. Proceedings of the 33rd International Conference on Biomechanics in Sports, Poitiers, France; 06/2015

Alberto Sánchez Sixto, Pablo Floría Martín: *El rango de movimiento y su importancia en el análisis del salto vertical*. VII Congreso Internacional de la Asociación Española de Ciencias del Deporte, Granada; 11/2012

Pablo Floría, Andrew J Harrison: *Influence of the range of motion on jumping height in childhood*. Proceedings of the 29th Conference of International Society of Biomechanics in Sports; 01/2011