



Pedro G. Morouco

PROFESSOR

CONTACT

ADDRESS



CENTRE FOR RAPID AND
SUSTAINABLE PRODUCT
DEVELOPMENT (CDRsp)

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Research:

- Head of the Biofabrication Research Group - CDRsp.
- HydroZONES: Bioactivated hierarchical hydrogels as zonal implants for articular cartilage regeneration
Funding source: European Comission 7th Framework Programme (PR:309962)
Status: 2013-01-01 to 2017-12-31 (on going)
Total cost: EUR 13 195 786,35
EU contribution: EUR 9 749 700
Role: Researcher
- Fabrication and characterization of 3D elastomeric scaffolds with controlled architecture based on the polyester poly(glycerol-sebacate)
Funding source: Strategic Projects PEst-OE/EME/UI4044/2013
Status: 2014-10-01 to 2015-06-30 (on going)
Role: Researcher
- Biomechanical analysis of human ageing in basic actions of the daily life
Funding source: Polytechnic Institute of Leiria
Status: 2009-07-01 to 2011-02-28 (completed)
Amount: Eur 35 637
Role: Principal investigator
- Biophysical evaluation of swimmers: Leirias' Region
Funding source: Associacao de Natacao do Distrito de Leiria
Status: 2012-09-01 to 2013-08-31 (completed)
Role: Principal investigator
- Seniors Road Safety Enhancement through Perceptual-Motor Competences raining Program
Funding source: Polytechnic Institute of Leiria
Status: 2009-07-01 to 2011-06-30 (completed)
Amount: EUR 41 260
Role: Researcher
- Evaluation of force production through tethered swimming and dry-landing: relationship with swimming performance; bilateral force differences and indicators of anaerobic capacity
Funding source: POR Foundation for Science & Technology (SFRH/BD/66910/2009)
Status: 2011-01-01 to 2012-07-31 (completed)
Amount: PhD National Grant
Role: Principal investigator
- Biofeedback avanzado e automatizacao do controlo de treino em nadadores
Funding source: Portuguese Institute of Sport (PAFID)
Status: 2004-04-01 to 2005-03-31 (completed)
Amount: EUR 4 000
Role: Researcher

- Abstracts in Web of Science Journals: 17
- Papers in other peer-reviewed journals: 19
- Abstracts in other peer-reviewed journals: 11
- International book of abstracts: 35
- National book of abstracts: 33
- Oral presentations: 54
- Books: 2
- Book Chapters: 14

Scientific activity

1. Morouco, P.G., Marinho, D., Izquierdo, M., Neiva, H., & Marques, M. (in press). Relative contribution of arms and legs in 30 s fully-tethered front crawl swimming. *Journal of Biomedicine and Biotechnology*.
2. Morouco, P.G., Marinho, D., Fernandes, R., & Marques, M. (2015). Quantification of upper limb kinetic asymmetries in front crawl swimming. *Human Movement Science* 40: 185-192.
3. Morouco, P.G., Marinho, D., Keskinen, K., Gonzalez-Badillo, J., & Marques, M. (2014). Tethered swimming can be used to evaluate force contribution for short-distance swimming performance. *Journal of Strength & Conditioning Research* 28(1 1): 3 09 3-3 099.
4. Amaro, N., Marinho, D., Batalha, N., Marques, M., & Morouco, P.G. (2014). Reliability of tethered swimming evaluation in age group swimmers. *Journal of Human Kinetics* 41: 155-162.
5. Barbosa, T., Morouco, P.G., Jesus, S., Feitosa, W., Costa, M., Marinho, D., Silva, A., & Garrido, N. (2013). The interaction between intra-cyclic variation of the velocity and mean swimming velocity in young competitive swimmers. *International Journal of Sports Medicine* 34(2): 123-130.
6. Barbosa, T., Costa, M., Morais, J., Morouco, P.G., Moreira, M., Garrido, N., Marinho, D., & Silva, A. (2013). Characterization of speed fluctuation and drag force in young swimmers: A gender comparison. *Human Movement Science* 3 2: 12 14-122 5.
7. Morouco, P.G., Vilas-Boas, J.P., & Fernandes, R.J. (2012). Evaluation of Adolescent Swimmers Through a 3 0-s Tethered Test. *Pediatric Exercise Science* 24(2): 312-3 21.
8. Morouco, P.G., Neiva, H., & Marques, M. (2012). Squat, lat pull down and bench press: Which is the most related to female swimmers performance? *Motricidade* 8(S 1) :3 5-40.
9. Neiva, H.P., Morouco, P.G., Pereira, F.M., & Marinho, D.A. (2012). O efeito do aquecimento no rendimento dos 5 0 m de nado. *Motricidade* 8 (S 1): 13-18.
10. Morouco, P.G., Keskinen, K., Vilas-Boas, J.P., & Fernandes, R.J. (2011). Relationship between tethered forces and the four swimming techniques performance. *Journal of Applied Biomechanics* 27(2):161-169.
11. Morouco, P.G., Neiva, H., Gonzalez-Badillo, J., Garrido, N., Marinho, D., & Marques, M.(2011). Associations Between Dry Land Strength and Power Measurements with Swimming Performance in Elite Athletes: a Pilot Study. *Journal of Human Kinetics* 29 (SI): 105-112.
12. Neiva, H., Morouco, P.G., Silva, A.J., Marques, M.C., & Marinho, D.A. (2011). The Effect Of Warm-up on Tethered Front Crawl Swimming Forces. *Journal of Human Kinetics* 29(SI): 113-119.
13. Barbosa, T., Lima, A., Fernandes, R., Morouco, P.G., & Vilas-Boas, J.P. (2008). Predicting the intra-cyclic variation of the velocity of the centre of mass from segmental velocities in butterfly stroke: a pilot study. *Journal of Sports Science and Medicine* 7 (2): 201-209.

Editorial Board

- ✓ Member of the Editorial Board of the *Journal Sports Biomechanics* from the Taylor & Francis indexed in the SCl (starting in 2015)
- ✓ Member of the Editorial Board of the *American Journal of Sports Science and Medicine* from the Science and Education Publishing (since 2014)
- ✓ Member of the Editorial Board of the *Journal of Sports Research* from the Pak Publishing Group (since 2014)
- ✓ Member of the Editorial Board of the *Journal of Sports Science* from the David Publishing Company (since 2013)
- ✓ Member of the Editorial Board of the *Revista Trances* from FEAFFYS (since 2012)

Reviewing activity

- ✓ Referee of the *Acta of Bioengenering and Biomechanics*, indexed in SCl (since 2014)
- ✓ Referee of the *Medicine & Science in Sports & Exercise*, indexed in SCl (since 2014)
- ✓ Referee of the *Journal of Sport Sciences*, indexed in SCl (since 2012)
- ✓ Referee of the *Journal of Sport Science and Medicine*, indexed in SCl (since 2012)
- ✓ Referee of the *Journal of Human Kinetics*, indexed in SCl (since 2012)
- ✓ Referee of the *Revista Motriz - Journal of Physical Education*, indexed in SCl (since 2012)
- ✓ Referee of the *Revista Motricidade*, indexed in SCl (since 2012)
- ✓ Referee of the *International SportMedJournal* (ISSN: 1528-3356)
- ✓ Referee of the *International Journal of Sport and Society* (ISSN: 2152-785 7)
- ✓ Referee of the *International Journal of Human Sciences* (ISSN: 1303-5134)
- ✓ Referee of the *Revista Brasileira de Ciencias do Esporte* (ISSN: 0101-3289)
- ✓ Referee of the *Revista Mackenzie de Educacao Fisica e Esporte* (ISSN: 1980-6892)

Professional activity

Actual :

Associate Professor for the Polytechnic Institute of Leiria (2014-...):

\Researcher for the Centre for Rapid and Sustainable Product Development;
\Director of the Master Degree in Sports and Health for Children and Youth;
\Lecturer of Kinesiology, Physiology and Research Methods in the master degree;
\Member of the scientific committee of the first degree in Sports and Well-being;
\Lecturer of Sports Biomechanics in the first degree;
\ Tutor of 2 Ph.D. Students.

Member of the National Scientific Council for Swimming;

Past :

Assistant Professor for the Polytechnic Institute of Leiria (2007-2014);

Awards

1. Hans Gros New Investigator Award by the International Society of Biomechanics in Sports, 2014.
2. Elected to represent Portugal in the International Contest of Science Communication - FameLab Olympics, Dublin, Ireland, 2012.
3. Awarded with the Young Physiologists' Bursary, The Physiological Society, 2012.
4. 2nd place in the National Contest of Science Communication - FameLab, Lisbon, Portugal, 2011.
5. 2nd place in best oral presentation, 34th Scientific Congress of the Portuguese Swimming Technicians Association, flhavo, Portugal, 2011.
6. 3rd place in best oral presentation, 34th Scientific Congress of the Portuguese Swimming Technicians Association, flhavo, Portugal, 2011.
7. 2nd place in the National Contest of Science Communication - Famelab, Lisbon, Portugal, 2010.
8. 2nd place in best oral presentation, XXVIII International Congress of AETN, Pontevedra, Spain, 2008.
9. Best oral presentation, 31st Scientific Congress of the Portuguese Swimming Technicians Association, flhavo, Portugal, 2008.
10. Best Poster, Sport Congress: From Science to Conscience, Porto, Portugal, 2008.