

Leonardo A. Peyré-Tartaruga

## CV Summary

**Professor of Physical Training (undergraduation); PhysioMechanics of Terrestrial Locomotion; and Efficiency and Economy of Human Movement (MSc and PhD)**, Exercise Research Laboratory, School of Physical Education, Physical Therapy and Dance, Universidade Federal do Rio Grande do Sul (UFRGS), **Brazil**.

**Ph.D. in Human Movement Sciences** at the **UFRGS**, Brazil.

**Teaching** experience: 'Professor temporário': UFRGS: **Swimming**; ULBRA: **Exercise Physiology**; FACOS: **Human Anatomy, Kinesiology, Theory of Sport Training**; FSG: **Kinesiology, Measures and Evaluation in Sports**.

**Internationally based scientific activity**: research fellow **CNPq-Brazil** (graduation, M.Sc. and Ph.D.) at Universidade Federal do Rio Grande do Sul; visiting researcher **Capes-Brazil** with Prof. Alberto Minetti and Prof. Giovanni Cavagna at Istituto di Fisiologia Umana, Unimi; research grant **CNR-Ev-K2** at Istituto di Fisiologia Umana, Unimi (research expedition at Khumbu Valley, Nepal); visiting researcher short-duration with Prof. Jeanick Brisswalter at **University of Toulon, France CNPq-Brazil; Agreement of Cooperation Brazil-Italy** with Prof. Alberto Minetti, Prof. Matteo Pecchiari and Prof. Federico Schena; **visiting researcher at Cerism/Rovereto**, Italy; Visiting Professor at Department of Biophysics at **Universidad de la Republica, Uruguay**; PosDoc stage with Prof. Alberto Minetti (UNIMI, Italy) and Prof. Jonas Rubenson (Penn State, USA) at Laboratorio di Fisiomeccanica della Locomozione, UNIMI. Current international collaboration: University of Nice and Toulon, France; University of Verona and Milan, Italy; University of Bath, UK, University of Colorado, USA.

Ordinary Member of: **European College of Sport Science, Brazilian College of Sport Sciences (CBCE)** and **Brazilian Society of Biomechanics**.

**Editorial activity**: **Front Integr Physiol** (Associate Editor), **Front Exerc Physiol** (Review Editor), **J Exp Biol**, **BMJ Open**, **Int J Sports Med**, **J Sports Sci**, **Eur J Sport Sci**, **Sports Med Int Open**, **Symmetry**, **Wilderness Environ Med**, **Sci Sports**, **J Aging Res**, **J Aging Phys Act**, **Int J Neurosci**, **Percept Mot Skills**, **Brain Cogn**, **Mov Sport Sci – Sci Motricité**, **Comput Biol Med**, **Plos One**, **Hum Mov Sci**, **Hum Mov**, **PeerJ**, **Braz J Sport Sci**, **Braz J Med Biol Res**, **Clin Trials Degener Dis**, **Eur J Physiother**, **Int J Aquatic Res Educ**, **Motriz**.

**MSc/PhD Thesis supervisor: Human Movement Sciences and Medicine: Respiratory Sciences**, UFRGS.

**Attracted funds** (CNPq-Brazil, Capes-Brazil, Ministério do Esporte – Brazil, Fapergs-Brazil, Fipe-Hospital de Clínicas-Brazil, Ufrgs) for about € **0.7 M**.

**Supervisor Post-Doc: Human Movement Sciences and Medicine: Respiratory Sciences**, UFRGS.

**Ex-President of Brazilian College of Sport Sciences (2009-2013)**

### PUBLICATIONS

- 87 articles (65 of which in sci rated journals, impact factor: 0.016-4.94; h index = 15).
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Personal Web Page: <https://sites.google.com/view/leotartaruga/>

# CURRICULUM VITAE ET STUDIORUM

May, 2018

## 1 PERSONAL DATA

**Name:** Leonardo Alexandre Peyré Tartaruga

**Name in references:** Peyré-Tartaruga, L.A.

**Status:** Married

**Parents:** Eduardo Juan Peyré Priguetti and Stella Teresita Tartaruga Sagaseta de Peyré

**Place and date of birth:** Porto Alegre, Rio Grande do Sul, Brazil, 13/7/1976

**Electronic address:** [leonardo.tartaruga@ufrgs.br](mailto:leonardo.tartaruga@ufrgs.br)

**Personal web page:** <https://sites.google.com/view/leotartaruga/>

**Telephone:** 0055 5133085818// 0055 51984063793

**Residence:** Av. Francisco Trein, 868/102, 91350200, Porto Alegre, RS, Brazil

**Current position:** Associate Professor of Physical Training and Locomotion,  
Escola de Educação Física, Fisioterapia e Dança (School of Physical Education,  
Physical Therapy and Dance), Universidade Federal do Rio Grande do Sul, Rua  
Felizardo, 750 – Jardim Botânico – 90690-200 - Porto Alegre, RS – Brazil

## 2 EDUCATION

1995-2000 Undergraduation in Physical Education.  
Universidade Federal do Rio Grande do Sul, UFRGS, Rio Grande do Sul, Brasil.

2001-2003 Master in Human Movement Sciences- Physical activity and Performance.  
Title: Physiologic and biomechanical effects of deep water running training on  
performance of elite runners  
ESEF-UFRGS, Rio Grande do Sul, Brasil.

2002-... Bachelors in Physics.

Universidade Federal do Rio Grande do Sul, UFRGS, Rio Grande do Sul, Brasil.

- 2005-2008      Doctor of Philosophy (Ph.D.) in Human Movement Sciences: neuromechanics of movement.  
Title: Energetics and Mechanics of Human Walking and Running: with special reference to  
gradient locomotion and aging effects.  
ESEF-UFRGS, Rio Grande do Sul, Brasil.  
Istituto di Fisiologia Umana I, Unimi, Italy.
- 2009-2010      Pos-Doctor Stage at Center of Research: 'Sport, Montagna e Salute' (CERISM), University of  
Veron with Prof. Federico Schena e Prof. Alberto Minetti.
- 2015-2016      Pos-Doctor Stage at Locomotion PhysioMechanics Laboratory, University of Milan and  
Laboratory of Biomechanics, Penn State University with Prof. Alberto Minetti and Prof. Jonas  
Rubenson.

### 3 GENERAL DATA

- Foreign languages:**                      Portuguese (mother tongue), fluent spoken, read and written Spanish, fluent  
spoken, read and somewhat written Italian, good spoken and read and written  
English, knowledge of French (reading).
- Programming languages:**              LabView (National Instruments), MatLab and HTML.
- Current software used:**                      Microsoft Office (Microsoft Corp)  
SPSS (SPSS Inc)  
Kaleidaphaph (Synergy Software)  
Keynote (Apple Inc)  
StatView (SAS Institute Inc)  
Corel Draw (Graphics Suite)  
Labview (National Instruments)  
Graph III (Cricket Software)  
MatLab (MathWorks)  
Grapher (Apple Inc).
- Fields of interests:**                      - Physiology and Biomechanics of Locomotion and Exercise  
- Applied Physiology and Biomechanics of the Aquatic Exercise  
- Neuromechanics and Energetics of animal and human movement
- Society affiliations:**                      - Brazilian College of Sport Science  
- Brazilian Society of Biomechanics  
- European College of Sport Science

**Current international collaborations:**

- Dr. Jeanick Brisswalter, University of Nice and Toulon, France
- Dr. Dario Cazzola, University of Bath, UK
- Dr. Alberto E. Minetti, University of Milan, Italy
- Dr. Matteo Maria Pecchiari, Italy
- Dr. Gaspare Pavei, Italy
- Dr. Gabriel Fabrica, Universidad de la República, Uruguay
- Dr. Federico Schena, University of Verona, Italy
- Dr. Barbara Pellegrini, University of Verona, Italy
- Dr. Luca Paolo Ardigò, University of Verona, Italy
- Dr. Jonas Rubenson, Penn State University, USA
- Dr. Jean-Benoît Morin, University of Nice, France
- Dr. Mathieu Gruet, University of Toulon, France
- Dr. Wouter Hoogkamer, University of Colorado, USA
- Dr. Rodger Kram, University of Colorado, USA

**Current national collaborations:**

- Dr. Marcus P. Tartaruga, UNICENTRO, Guarapuava, Brazil
- Dr. Flávia G. Martinez, UFRGS, Porto Alegre, Brazil
- Dr. Aline N. Haas, UFRGS, Porto Alegre, Brazil
- Dr. Luiz Fernando M. Kruehl, UFRGS, Porto Alegre, Brazil
- Dr. Aline Pagnussat, UFCSPA, Porto Alegre, Brazil
- Dr. Pedro Dall'ago, UFCSPA, Porto Alegre, Brazil
- Dr. Alexandro Andrade, UDESC, Florianópolis, Brazil
- Dr. Alessandro Zagatto, UNESP, Baurú, Brazil
- Dr. Gabriela Fischer, UFSC, Florianópolis, Brazil
- Dr. Alberito Carvalho, UNIOESTE, Cascavel, Brazil
- Dr. Fernando Diefenthaler, UFSC, Florianópolis, Brazil
- Dr. Marco A. Vaz, UFRGS, Porto Alegre, Brazil

## 4 ACADEMICAL HONORS

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|------|---|
| 1999 | <b>PRÊMIO DESTAQUE</b> do XI Undergraduation Research, Pro-Reitoria de Pesquisa da UFRGS.   |
| 1999 | <b>YOUNG RESEARCHER AWARD</b> from XI Undergraduation Research, Pro-Reitoria da UFRGS.  |
| 1999 | <b>VOTO DE LOUVOR</b> , Conselho da Unidade da Escola de Educação Física da UFRGS.  |
| 2000 | <b>PRÊMIO DESTAQUE</b> from XI Undergraduation Research, Pro-Reitoria de Pesquisa da UFRGS.   |
| 2001 | <b>ORAL PRESENTATION AWARD</b> in Third position on "I Research in Physical Activity", from 30° ENAF.   |
| 2001 | <b>ORAL PRESENTATION AWARD</b> in First position on "Research in Physical Activity", from 30° ENAF.   |
| 2001 | <b>II AWARD IN SPORT LITERATURE INDESP</b> , in Second position on Original articles category.  |
| 2009 | <b>II CBCE AWARD IN SCIENTIFIC LITERATURE - 2008/2009</b> , in First position on Biological and Health Sciences section, Brazilian College of Sport Sciences. |
| 2010 | <b>PRÊMIO DESTAQUE (adviser)</b> from XI Undergraduation Research, Pro-Reitoria de Pesquisa   |

- da UFRGS.
- 2014 **PRÊMIO DESTAQUE (adviser)** from XI Undergraduation Research, Pro-Reitoria de Pesquisa da UFRGS.
- 2015 **PRÊMIO DESTAQUE (adviser)** from XVII Undergraduation Research, Pro-Reitoria de Pesquisa da UFRGS.
- 2015 **PRÊMIO DESTAQUE (adviser)** from XVII Undergraduation Research, Pro-Reitoria de Pesquisa da UFRGS.
- 2016 **ORAL PRESENTATION AWARD** with Honor Mention in VII Symposium in Applied Neuromechanics.
- 2017 **ORAL PRESENTATION AWARD** with Honor Mention in XVII Brazilian Congress of Biomechanics. Effects of running speed on spectral content of vastus lateralis and gastrocnemius medialis muscles.
- 2017 **ORAL PRESENTATION AWARD** with Honor Mention in XVII Brazilian Congress of Biomechanics. Effects of nordic and free Walking training on gait parameters in elderly: a RCT.

## 5 PRODUCTION

### a) *in extenso* papers published on scientific journals

- 1 ANDRADE, A., STEFFENS, R.A.K., SIECZKOWSKA, S.M., **PEYRÉ-TARTARUGA, L.A.**, VILARINO, G. T. A systematic review of the effects of strength training in patients with fibromyalgia: clinical outcomes and design considerations. *Advances in Rheumatology*, accepted, 2018.
- 2 CUBILLOS, D.M., MONTEIRO, E.P., GOMEÑUKA, N.A., **PEYRÉ-TARTARUGA, L.A.** Metodologia e didática pedagógica aplicada ao ensino da caminhada nórdica e livre para pessoas com doença de Parkinson II. *Cadernos de Formação RBCE*, accepted, 2018.
- 3 PINTO, S.S., ALBERTON, C.L., CADORE, E.L., KANITZ, A.C., DELEVATTI, R.S., PANTOJA, P.D., PEYRÉ-TARTARUGA, L.A., REICHERT, T., BREGAGNOL, L.P., LISBOA, S.D.C., KRUEL, L.F.M. Does Aerobic Exercise Impair Neuromuscular Function During Water-Based Resistance Exercises? *Research Quarterly for Exercise and Sport*, 2018. DOI: 10.1080/02701367.2018.1512076
- 4 PANTOJA, P.D., CARVALHO, A.R., RIBAS, L.R., **PEYRÉ-TARTARUGA, L.A.** Effect of weighted sled towing on sprinting effectiveness, power and force-velocity relationship. *PLoS One*, v. 13, p. e0204473, 2018.
- 5 DINIZ, R., DEL VECCHIO, F.B., SCHAUN, G.Z., OLIVEIRA, H.B., PORTELLA, E.G., DA SILVA, E.S., FORMALIONI, A., CAMPELO, P.C.C., **PEYRÉ-TARTARUGA, L.A.**, PINTO, S.S. Kinematic comparison of the roundhouse kick between taekwondo, karate, and muaythai. *Journal of Strength and Conditioning Research*, ahead-of-print, 2018.
- 6 SILVA, E.S., FISCHER, G., DA ROSA, R.G., SCHONS, P., TEIXEIRA, L.B.T., HOOGKAMER, W., **PEYRÉ-TARTARUGA, L.A.** Gait and functionality of individuals with visual impairment who participate in sports. *Gait & Posture*, v. 62, p. 355-358, 2018.
- 7 BATISTA, M.M., LOPES, K.A., QUEIROGA, M.R., **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P. The allometric relations between the explosive strength of lower limbs and performance in physical capabilities tests. *Journal of Exercise Physiology Online*, v. 21, n.3, p. 171-182, 2018.

- 8 FINATTO, P., SILVA, E.S., OKAMURA, A.B., ALMADA, B.P., OLIVEIRA, H.B., **PEYRÉ-TARTARUGA, L.A.** Pilates training improves 5-km run performance by changing metabolic cost and muscle activity in trained runners. *PLoS One*, v. 13, p. e0194057, 2018.
- 9 SCHONS, P., DA ROSA, R.G., FISCHER, G., BERRIEL, G.P., FRITSCH, C.G., NAKAMURA, F.Y., BARONI, B.M., **PEYRÉ-TARTARUGA, L.A.** The relationship between strength asymmetries and jumping performance in professional volleyball players. *Sports Biomechanics*, v. 17, p. 1-12, 2018.
- 10 SCHONS, P., FISCHER, G., DA ROSA, R.G., BERRIEL, G.P., **PEYRÉ-TARTARUGA, L.A.** Relationship between muscle strength of the knee extensor and flexor and jump performance in volleyball players: a review. *Journal of Physical Education*, v. 29, p.1-12, 2018.
- 11 FRANZONI, L.T., MONTEIRO, E.P., OLIVEIRA, H.B., DA ROSA, R.G., TEIXEIRA, R.C., RIEDER, C. R., MARTINEZ, F.G., **PEYRÉ-TARTARUGA, L.A.** A 9-week Nordic and free walking improve postural balance in Parkinson's disease. *Sports Medicine International Open*, v. 02, p. E28-E34, 2017.
- 12 SANSEVERINO, M.A., PECCHIARI, M., BERTON, D.C., BONA, R.L., QUEIROZ, F.B., GRUET, M., **PEYRÉ-TARTARUGA, L.A.** Limiting factors in walking performance of subjects with COPD. *Respiratory Care*, v. 63(3), p. 301-310, 2017.
- 13 MELO, O.U., BERNARDO, R.T., SILVA, E.S., ROSA, K.P.S., COIMBRA, R., **PEYRÉ-TARTARUGA, L.A.** Tempo de provas curtas e volume de treinamento como preditores do desempenho de maratona [Short-time race time and training volume as predictors of Marathon performance]. *Revista Brasileira de Ciências do Esporte*, v. 2017, p. 00, 2017.
- 14 FAGUNDES, A.O., MONTEIRO, E.P., FRANZONI, L.T., FRAGA, B.S., PANTOJA, P.D., FISCHER, G., **PEYRÉ-TARTARUGA, L.A.** Effects of load carriage on physiological determinants in adventure racers. *PLoS One*, v. 12, p. e0189516, 2017.
- 15 PELLEGRINI, B., **PEYRÉ-TARTARUGA, L.A.**, ZOPPIROLI, C., MINETTI, A.E., BORTOLAN, L., SAVOLDELLI, A., SCHENA, F. Mechanical energy patterns in nordic walking: comparisons with conventional walking. *Gait & Posture*, v. 51, p. 234-238, 2017.
- 16 DA ROSA, R.G., OLIVEIRA, H.B., GOMEÑUKA, N.A., **PEYRÉ-TARTARUGA, L.A.** Inclined Weight-Loaded Walking at Different Speeds: Pelvis-Shoulder Coordination, Trunk Movements and Cost of Transport. *Journal of Motor Behavior*, v. 1, p. 1-7, 2017.
- 17 VIERO, C.C.M., KESSLER, L.P., PINTO, C., GONTIJO, K., DA ROSA, R.G., KLEINER, A., **PEYRÉ-TARTARUGA, L.A.**, PINHO, A.S., PAGNUSSAT, A.S. Height of the Medial Longitudinal Arch During Classical Ballet Steps. *Journal of Dance Medicine & Science*, v. 21, p. 109-114, 2017.
- 18 ONGARATTO, D., DA ROSA, R.G., CASTRO, F.A.S., TOIGO, A.M., **PEYRÉ-TARTARUGA, L.A.** Características fisiológicas e biomecânicas na corrida do triatlo: uma revisão narrativa [Physiological and biomechanical characteristics in the triathlon race: a narrative review]. *CINERGIS*, v. 18, p. 308-315, 2017.
- 19 ROSA, K.P.S., MARTINEZ, F.G., **PEYRÉ-TARTARUGA, L.A.** Benefits of aquatic exercise therapy on locomotion in low back pain subjects: a narrative literature review. *Movement & Sport Sciences - Science & Motricité*, v. 98, p. 51-58, 2017.
- 20 CUBILLOS, D.M., MONTEIRO, E.P., GOMEÑUKA, N.A., **PEYRÉ-TARTARUGA, L.A.** Methodology and pedagogical didactics applied to the education of nordic walking and free walkig for people with Parkinson's disease I. *CADERNOS DE FORMAÇÃO RBCE*, v. set, p. 72-83, 2017.
- 21 DE CARVALHO, A.R., BERTOR, W., ABICO, R.M., BRANDT, L., MATTJIE, T., Andrade, A., **PEYRÉ-TARTARUGA, L.A.** Nonspecific chronic low back pain and incapacity level: influence of walking performance. *REVISTA DOR*, v. 18, p. 150-155, 2017.

- 22 PANTOJA, P.D., VILLARREAL, E.S., BRISSWALTER, J., **PEYRÉ-TARTARUGA, L.A.**, MORIN, JB. Sprint Acceleration Mechanics in Master Athletes. *Medicine and Science in Sports and Exercise*, v. aop, p. 1, 2016.
- 23 GRUET, M., **PEYRÉ-TARTARUGA, L.A.**, MELY, L., VALLIER, J. The 1-Minute Sit-to-Stand Test in Adults With Cystic Fibrosis: Correlations With Cardiopulmonary Exercise Test, 6-Minute Walk Test, and Quadriceps Strength. *Respiratory Care*, v. 61, p. 00, 2016.
- 24 **PEYRÉ-TARTARUGA, L.A.**, MONTEIRO, E.P. A new integrative approach to evaluate pathological gait: locomotor rehabilitation index. *Clinical and Translational Degenerative Diseases*, v. 1, p. 86-89, 2016.
- 25 GOMEÑUKA, N.A., BONA, R.L., DA ROSA, R.G., **PEYRÉ-TARTARUGA, L.A.** The pendular mechanism does not determine the optimal speed of loaded walking on gradients. *Human Movement Science*, v. 47, p. 175-185, 2016.
- 26 MONTEIRO, E.P., FRANZONI, L.T., CUBILLOS, D.M., FAGUNDES, A.O., CARVALHO, A.R., OLIVEIRA, H.B., PANTOJA, P.D., SCHUCH, F.B., RIEDER, C.R., MARTINEZ, F.G., **PEYRÉ-TARTARUGA, L.A.** Effects of Nordic walking training on functional parameters in Parkinson's disease: a randomized controlled clinical trial. *Scandinavian Journal of Medicine & Science in Sports*, v. 27, p. 351-358, 2017.
- 27 FURLANETTO, T.S., **PEYRÉ-TARTARUGA, L.A.**, PINHO, A.S., BERNARDES, E.S., ZARO, M.A. Proprioception, body balance and functionality in individuals with ACL reconstruction. *Acta Ortopédica Brasileira*, v. 24, p. 67-72, 2016.
- 28 BONA, R. L., Santos, A.B., STORNILOLO, J.L.L., Gomeñuka, N.A., SILVA, P.F., **PEYRÉ-TARTARUGA, L.A.** Self-selected and optimal walking speed of transfemoral amputees: ground vs. treadmill. *Brazilian Journal of Sport Medicine*, v. 22, p. 336-339, 2016.
- 29 PAVEI, G., SEMINATI, E., STORNILOLO, J.L.L., **PEYRÉ-TARTARUGA, L.A.** Estimates of Running Ground Reaction Force Parameters from Motion Analysis. *Journal of Applied Biomechanics*, v. 1, p. 1-21, 2016.
- 30 MONTEIRO, E.P., WILD, L.B., MARTINEZ, F.G., PAGNUSSAT, A.S., **PEYRÉ-TARTARUGA, L.A.** Biomechanical aspects of locomotion people with Parkinson's disease: review study. *Brazilian Journal of Sport Sciences*, v. 38, p. 00-8, 2016.
- 31 MARQUES, P.A., VOSER, R.C., **PEYRÉ-TARTARUGA, L.A.** Perfil antropométrico de atletas universitárias de futsal feminino conforme a função tática. *RBNE - Revista Brasileira de Nutrição Esportiva*, v. 10, p. 215-221, 2016.
- 32 PANTOJA, P.D., MORIN, J., **PEYRÉ-TARTARUGA, L.A.**, BRISSWALTER, J. Running Energy Cost and Spring-Mass Behavior in Young versus Older Trained Athletes. *Medicine and Science in Sports and Exercise*, ahead-of-print, 2016.
- 33 DETONI, G.C., OLIVEIRA, V.M., FERREIRA, C., QUEIROGA, M.R., **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P. Influence of the allometric model on relationship between running economy and performance in long-distance runners. *Brazilian Journal of Sport Sciences*, p. 1-6, 2015.
- 34 PINTO, S.S., ALBERTON, C.L., CADORE, E.L., BARONI, B.M., VAZ, M.A., FINATTO, P., ZAFFARI, P., LANFERDINI, F., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M. Water-based concurrent training improves peak oxygen uptake, rate of force development, jump height and neuromuscular economy in young women. *Journal of Strength and Conditioning Research*, v. 29, n. 7, p. 1846-1854, 2015.
- 35 FISCHER, G., STORNILOLO J.L.L., **PEYRÉ-TARTARUGA, L.A.** Effects of Fatigue on Running Mechanics: Spring-Mass Behavior in Recreational Runners After 60 s of Counter-Movement Jumps. *Journal of Applied Biomechanics*, v. 31, n. 6, p. 445-451, 2015.

- 36 DE CARVALHO, A.R., BERTOR, W., BRIANI, R., ZANINI, A., SILVA, C.B., ANDRADE, A., **PEYRÉ-TARTARUGA, L.A.** Effect of nonspecific chronic low back pain on walking economy: an observational study. *Journal of Motor Behavior*, v. 24, p. 1-9, 2015.
- 37 PELLEGRINI, B., **PEYRÉ-TARTARUGA, L.A.**, ZOPPIROLLI, C., BORTOLAN, L., BACCHI, E., FIGARD-FABRE, H., SCHENA, F. Exploring Muscle Activation during Nordic Walking: A Comparison between Conventional and Uphill Walking. *PLoS One*. 2015 Sep 29;10(9):e0138906. doi: 10.1371/journal.pone.0138906. eCollection 2015.
- 38 CARVALHO, A.R., FAGUNDES, A., FONTOURA, M.S., MELO, O.U., REMIAO, E.O., TARTARUGA, M.P., **PEYRÉ-TARTARUGA, L.A.** Use of adhesive tape for ankle taping and its effect in running economy. *Conscientiae Saúde*, v. 14, p. 568-576, 2015.
- 39 FISCHER, G., STORNILO, J.L.L., **PEYRÉ-TARTARUGA, L.A.** Effects of Fatigue on Running Mechanics: Spring-Mass Behavior in Recreational Runners After 60 s of Counter-Movement Jumps. *Journal of Applied Biomechanics*, 31(6): 445-451, 2015.
- 40 PINTO, S.S., ALBERTON, C.L., CADORE, E.L., BARONI, B.M., VAZ, M.A., FINATTO, P., ZAFFARI, P., LANFERDINI, B., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M., Water-based concurrent training improves peak oxygen uptake, rate of force development, jump height and neuromuscular economy in Young women. *Journal of Strength and Conditioning Research*, 29(7): 1846-1854, 2015.
- 41 TARTARUGA, M.P., MOTA, C.B., **PEYRÉ-TARTARUGA, L.A.**, BRISSWALTER, J. Scale Model on Performance Prediction in Recreational and Elite Endurance Runners. *International Journal of Sports Physiology and Performance*, v. 9, p. 650-655, 2014.
- 42 DE CARVALHO, A.R., ANDRADE, A., **PEYRÉ-TARTARUGA, L.A.** Possible changes in energy-minimizer mechanisms of locomotion due to chronic low back pain – a review of literature. *Brazilian Journal of Rheumatology*, v. NOV, p. S0482-S5004, 2014.
- 43 FERREIRA, C., OLIVEIRA, V.M., CAVAZZOTTO, T.G., QUEIROGA, M.R., **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P. COMPARAÇÃO ENTRE VELOCIDADE NO LIMIAR ANAERÓBICO E VELOCIDADE CRÍTICA EM CORREDORES MEIO-FUNDISTAS. *Acta Brasileira do Movimento Humano*, v. 5, p. 17-31, 2014.
- 44 VENDRÚSCULO, A., ALBERTON, C.L., BELTRAMI, F.G., MAIER, J., **PEYRÉ-TARTARUGA, L.A.**, PANTOJA, P.D., KRUEL, L.F.M. Análise de lesão muscular e comportamento do VO<sub>2</sub>máx entre um programa de treinamento de corrida em piscina funda e corrida em terra. *Cinergis*, v. 15, p. 87-93, 2014.
- 45 SILVA, P.F., RIBEIRO, P.A., BONA, R.L., **PEYRÉ-TARTARUGA, L.A.**, RIBEIRO, J.P. Ventilatory Determinants of Self-selected Walking Speed in Chronic Heart Failure. *Medicine and Science in Sports and Exercise*, v. 45, p. 415-419, 2013.
- 46 TARTARUGA, M.P., MOTA, C.B., VALLIER, J., KRUEL, L.F.M., **PEYRÉ-TARTARUGA, L.A.**, BRISSWALTER, J. Running efficiency and long-distance performance prediction: Influence of allometric scaling. *Science & Sports*, v. 28, p. 165-171, 2013.
- 47 KRUEL, L.F.M., **PEYRÉ-TARTARUGA, L.A.**, COERTJENS, M., DIAS, A.B.C., SILVA, R.C., RANGEL, A.B. Using heart rate to prescribe physical exercise during head-out water immersion Exercise during head-out water immersion and heart rate. *Journal of Strength and Conditioning Research*, v. 28, p. 281-289, 2013.
- 48 WILD, L.B., LIMA, D.B., BALARDIN, J.B., RIZZI, L., GIACOBBO, B.L., OLIVEIRA, H.B., LIMA ARGIMON, I.I., **PEYRÉ-TARTARUGA, L.A.**, RIEDER, C., BROMBERG, E. Characterization of cognitive and motor performance during dual-tasking in healthy older adults and patients with Parkinson s disease. *Journal of Neurology (Print)*, v. 260, p. 580-589, 2013.



- 49 TARTARUGA, M.P., ALBERTON, C.L., MOTA, C.B., GOMEÑUKA, N.A., BRISSWALTER, J., **PEYRÉ-TARTARUGA, L.A.** Mechanical Work and Long-Distance Performance Prediction: the Influence of Allometric Scaling. *Journal of Human Kinetics*, v. 38, p. 73-82, 2013.
- 50 GOMEÑUKA, N.A., BONA, R.L., DA ROSA, R.G., **PEYRÉ-TARTARUGA, L.A.** Adaptations to changing speed, load, and gradient in human walking: Cost of transport, optimal speed, and pendulum. *Scandinavian Journal of Medicine & Science in Sports*, v. 24, p. 3, p. e165-e173, 2013.
- 51 OLIVEIRA, H.B., ROSA, R.G., GOMEÑUKA, N.A., **PEYRÉ-TARTARUGA, L.A.** Estabilidade dinâmica da caminhada de sujeitos hemiparéticos: a influência da velocidade. *Revista da Educação física (UEM. Online)*, v. 24, p. 559-565, 2013.
- 52 BALBINOT, G., DE CARVALHO, A.R., SCHUCH, C.P., BONA, R.L., FÁBRICA, C.G., **PEYRÉ-TARTARUGA, L.A.** Determination of ground reaction force peaks from human footprint depths. *International Journal of Basic and Applied Sciences*, v. 3, p. 30-34, 2013.
- 53 TARTARUGA, M.P., ÁVILA, A.O.V., CADORE, E.L., ALBERTON, C.L., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M. The Relationship Between Running Economy and Biomechanical Variables in Distance Runners. *Research Quarterly for Exercise and Sport*, v. 83, p. 367-375, 2012.
- 54 STORNILO, J.L.L., FISCHER, G., **PEYRÉ-TARTARUGA, L.A.**, Comparação entre dois métodos para determinação de potência mecânica em saltos verticais. *Revista da Educação Física (UEM. Impresso)*, v. 23, p. 261-270, 2012.
- 55 BONA, R.L., **PEYRÉ-TARTARUGA, L.A.** Mecânica e energética da locomoção de amputados: Uma revisão. *Pensar a Prática (Online)*, v. 14, p. 1-14, 2011.
- 56 SCHUCH, C.P., BALBINOT, G., BOOS, M., **PEYRÉ-TARTARUGA, L.A.**, SUSTA, D. The role of anthropometric changes due to aging on human walking: mechanical work, pendulum and efficiency. *Biology of Sport*, v. 28, p. 165-170, 2011.
- 57 TARTARUGA, M.P., CADORE, E.L., ALBERTON, C.L. NABINGER, E., **PEYRÉ-TARTARUGA, L.A.**, ÁVILA, A.O.V., KRUEL, L.F.M. Comparação de protocolos para determinação do ângulo de pronação subtalar. *Acta Ortopédica Brasileira*, v. 18, p. 122-126, 2010.
- 58 SCHUCH, C.P., **PEYRÉ-TARTARUGA, L.A.** Locomotion in children with cerebral palsy: a review with special reference to the displacement of the center of mass and energy cost. *Science in Movement (Impresso)*, v. 23, p. 1-28, 2010.
- 59 BONEZI, A., BONA, R.L., CASTRO, F.S., **PEYRÉ-TARTARUGA, L.A.** Aspectos biomecânicos e fisiológicos da fadiga na locomoção humana: conceitos, mecanismos e aplicações. *Science in Movement*, v. 23, p. 89-98, 2010.
- 60 **PEYRÉ-TARTARUGA, L.A.**, GOMEÑUKA, N.A. Biomecânica da caminhada em inclinações. *Técnicouro (Novo Hamburgo)*, v. 253, p. 76-86, 2010.
- 61 TARTARUGA, M.P., MEDEIROS, M.H., ALBERTON, C.L., CADORE, E.L., **PEYRÉ-TARTARUGA, L.A.**, BAPTISTA, R.R., COERTJENS, M., KRUEL, L.F.M. Application of the allometric scale for the submaximal oxygen uptake in runners and rowers. *Biology of Sport*, v. 27, p. 297-300, 2010.
- 62 FERRER, R.M., **PEYRÉ-TARTARUGA, L.A.**, PORTELLA, G., PACHECO, A.M. Efeitos das bandagens funcionais na estabilidade dinâmica em atletas de futsal Estudo de dois casos. *Science in Movement*, v. 24, p. 87-93, 2010.
- 63 SOARES, G.S., **PEYRÉ-TARTARUGA, L.A.** Doença de Parkinson e exercício físico: uma revisão da literatura. *Science in Movement*, v. 24, p. 69-86, 2010.
- 64 TARTARUGA, M.P., COERTJENS, M., **PEYRÉ-TARTARUGA, L.A.**, MEDEIROS, M.H., KRUEL, L.F.M.

The influence of the allometric scale on the relationships between running economy and biomechanical variables in distance runners. *Biology of Sport*, 26: 263-273, 2009.

- 65 **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., COERTJENS, M., BLACK, G.L., OLIVEIRA, A.R., KRUEL, L.F.M. Physiologic and kinematical effects of water run training on running performance. *International Journal of Aquatic Research and Education*, 3: 135-150, 2009.
- 66 KRUEL, L.F.M., **PEYRÉ-TARTARUGA, L.A.**, ALBERTON, C.L., MULLER, F.G., PETKOWICZ, R. Effects of hydrostatic weight on heart rate during water immersion. *International Journal of Aquatic Research and Education*, 3: 178-185, 2009.
- 67 FERRER, R.M., **PEYRÉ-TARTARUGA, L.A.**, PORTELLA, G., PACHECO, A.M. A estabilidade dinâmica durante a corrida de atletas de futsal com e sem o uso de bandagens funcionais. *Ciência & Saúde (Porto Alegre)*, v. 11, p. 51, 2009.
- 68 CAVAGNA, G.A., LEGRAMANDI, M.A., **PEYRÉ-TARTARUGA, L.A.** Old men running: mechanical work and elastic bounce. *Proceedings of the Royal Society of London. Biological Sciences*, 275: 411-418, 2008.
- 69 TARTARUGA, M.P., MEDEIROS, M.H., COERTJENS, M., BAPTISTA, R.R., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M. Relation between submaximum and maximum oxygen uptake of elite distance runners and elite rowers. *Physical Education Journal*, 141: 22-33, 2008.
- 70 CAVAGNA, G.A., LEGRAMANDI, M.A., **PEYRÉ-TARTARUGA, L.A.** The landing-take-off asymmetry of human running is enhanced in old age. *Journal of Experimental Biology*, 211: 1571-1578, 2008.
- 71 GARCIA, G.B., VAGHETTI, C.A.O., **PEYRÉ-TARTARUGA, L.A.** Heart Rate Behavior during a workout of surf. *Brazilian Journal of Science and Movement*, 16: 41-47, 2008.
- 72 KRUEL, L.F.M., **PEYRÉ-TARTARUGA, L.A.**, COERTJENS, M., RIBAS, L.R., TARTARUGA, M.P. Influence of the anthropometric variables in the running economy and the stride length on elite female runners. *Motriz Journal*, 13: 1-6, 2007.
- 73 FRAGA, C.H.W., BLOEDOW, L.S., CARPES, F., **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., FOLLMER, B., GUIMARÃES, A.C.S. Methodological propose to verify the influence of cycling on running kinematic aspects in Triathlon. *Motriz Journal*, 12 (2): 159-164, 2006.
- 74 **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M. Deep water running: limits and possibilities to elite runners. *Brazilian Journal of Sports Medicine*, 12 (5): 286-290, 2006.
- 75 **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., BLACK, G.L., COERTJENS, M., RIBAS, L.R., KRUEL, L.F.M. Comparison of the subtalar joint angle during submaximal running speeds. *Acta Ortopédica Brasileira*, 13 (2): 57-60, 2005.
- 76 MULLER, F.G., **PEYRÉ-TARTARUGA, L.A.**, ALBERTON, C.L., KRUEL, L.F.M. Heart rate during water immersion in different water temperatures. *Portuguese Journal of Sport Sciences*, 3: 266-273, 2005.
- 77 **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., RIBEIRO, J.L., COERTJENS, M., RIBAS, L.R., KRUEL, L.F.M. Correlation between running economy and kinematical variables in elite runners. *Brazilian Journal of Biomechanics*, 5 (9): 51-58, 2004.
- 78 RODRIGUES, C.A., **PEYRÉ-TARTARUGA, L.A.**, RIBEIRO, J.L., CUNHA, G.S., OLIVEIRA, A.R. Prediction of anaerobic threshold velocity to soccer players during pré-season. *Brazilian Journal of Sport Sciences*, 26 (1): 87-97, 2004.
- 79 **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., LARRONDA, A.C.C., KRUEL, L.F.M. Kinematical comparison between treadmill and deep water running. *Lecturas Educación Física y Deportes (Buenos Aires)*, year 10 (79), 2004, [http: www.efdeportes.com/efd79/corrida.htm](http://www.efdeportes.com/efd79/corrida.htm).

- 80 **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., RIBAS, L.R., RANGEL, A.B., MORAES, L.F.R., CARRAVETTA, H., KRUEL, L.F.M.. Computational system for running analysis. *Lecturas Educación Física y Deportes* (Buenos Aires), year 10 (72), 2004, [http: www.efdeportes.com/efd72/corrida.htm](http://www.efdeportes.com/efd72/corrida.htm).
- 81 FINKELSTEIN, I., ALBERTON, C.L., FIGUEIREDO, P.A.P., GARCIA, D.R., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M.. Heart rate, arterial pressure and hydrostatic weight behaviour of pregnancies during water immersion on different deep levels. *Brazilian Journal of Gynecology and Obstetrics*, 26 (9): 685-690, 2004.
- 82 CARDOSO, A.S., **PEYRÉ-TARTARUGA, L.A.**, BARELLA, R.E., BRENTANO, M.Á., KRUEL, L.F.M.. Effects of a deep water training program on women's muscle strength. *FIEP BULLETIN*, 74: 590-593, 2004.
- 83 KRUEL, L.F.M., COERTJENS, M., **PEYRÉ-TARTARUGA, L.A.**, PUSCH, H. Validity and reliability of maximal oxygen uptake prediction using polar M52 heart rate monitor. *Brazilian Journal of Exercise Physiology*, 2 (2): 157-165, 2003.
- 84 **PEYRÉ-TARTARUGA, L.A.**, COERTJENS, M., BLACK, G.L., TARTARUGA, M.P., RIBAS, L.R., KRUEL, L.F.M. Effects of fatigue on running kinematics. *Brazilian Journal of Biomechanics*, 4 (6): 39-44, 2003.
- 85 KRUEL, L.F.M., **PEYRÉ-TARTARUGA, L.A.**, DIAS, A.B.C., SILVA, R.C, PICANÇO, P.P., RANGEL, A.B. Heart rate during water immersion. *Fitness & Performance Journal*, 1 (6): 46-52, 2002.
- 86 **PEYRÉ-TARTARUGA, L.A.**, BLACK, G.L., TARTARUGA, M.P., COERTJENS, M., KRUEL, L.F.M.. Reliability and objectivity of manual digitalization system for the running movement. *Perfil Journal*, 5 (5): 67-70, 2001.
- 87 MÜLLER, F.G., SANTOS, E., **PEYRÉ-TARTARUGA, L.A.**, LIMA, W.C., KRUEL, L.F.M.. Heart rate behaviour during water immersion in different water temperatures. *Mineira Journal of Physical Education*, 9 (1): 7-23, 2001.

b) **book**

- 1 **PEYRÉ-TARTARUGA, L.A.** Energetics and Mechanics of Human Walking and Running: with special reference to gradient locomotion and aging effects. [Portuguese] Brasília: Thesaurus, 2009.

c) **in extenso papers published on national and international congress proceedings**

- 1 ROSA, K. P. S. ; **PEYRÉ-TARTARUGA, L.A.**, CHAVES, R. F. L. ; CASAL, M. Z. ; MARTINEZ, F.G. . AJUSTES POSTURAI S EM DIFERENTES MOVIMENTOS APENDICULARES COM CARGA. In: XIX Congresso Brasileiro de Ciências do Esporte e VI Congresso Internacional de Ciências do Esporte, 2015, Vitória. Anais do XIX Congresso Brasileiro de Ciências do Esporte e VI Congresso Internacional de Ciências do Esporte. PORTO ALEGRE: CBCE, 2015. v. 1. p. 1-3.
- 2 MONTEIRO, E.P., OLIVEIRA, H.B., DE CARVALHO, A.R., CINE, A., SKILHAN, C., MARTINEZ, F.G., **PEYRÉ-TARTARUGA, L.A.** Validity of pathological gait evaluation throughout the dynamical stability of walking. In: IV Simpósio em Neuromecânica Aplicada, 2013, Florianópolis. Anais do IV Simpósio em Neuromecânica Aplicada, 2013.
- 3 FAGUNDES, A., PANTOJA, Patrícia Dias, MONTEIRO, E.P., FRANZONI, L.T., FONSECA, G.A., **PEYRÉ-TARTARUGA, L.A.** Physiological parameters in adventure runners with different loads. In: IV Simpósio

em Neuromecânica Aplicada, 2013, Florianópolis. Anais do IV Simpósio em Neuromecânica Aplicada, 2013.

- 4 FAGUNDES, A., MONTEIRO, E.P., CANALI, E.S., FRANZONI, L.T., PANTOJA, P.D., **PEYRÉ-TARTARUGA, L.A.** Analysis of kinematical parameters in different speeds and loads on adventure runners. In: IV Simpósio em Neuromecânica Aplicada, 2013, Florianópolis. Anais do IV Simpósio em Neuromecânica Aplicada, 2013.
- 5 HUBNER, J., STORNILO, J.L.L., LIMA, L., ROSA, R.G., OLIVEIRA, H.B., SCHONS, P., FINATTO, P., **PEYRÉ-TARTARUGA, L.A.** Prediction of 5-km performance in recreational runners. In: IV Simpósio em Neuromecânica Aplicada, 2013, Florianópolis. Anais do IV Simpósio em Neuromecânica Aplicada, 2013.
- 6 FERREIRA, C. ; DETONI, G. C. ; OLIVEIRA, V. M. ; TRATIS, L. ; CAVAZZOTTO, T. G. ; PORTELA, B. S. ; QUEIROGA, M. R. ; **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, Marcus Peikriszwili . COMPARAÇÃO ENTRE VELOCIDADE NO LIMAR ANAERÓBICO E VELOCIDADE CRÍTICA EM CORREDORES DE RENDIMENTO. In: 21 Encontro Anual de Iniciação Científica e 2 Encontro Anual de Iniciação Tecnológica e Inovação, 2012, Maringá. Anais do 21 Encontro Anual de Iniciação Científica e 2 Encontro Anual de Iniciação Tecnológica e Inovação, 2012.
- 7 DETONI, G. C. ; FERREIRA, C. ; OLIVEIRA, V. M. ; TRATIS, L. ; SAUER, G. O. B. ; PORTELA, B. S. ; QUEIROGA, M. R. ; **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, Marcus Peikriszwili . INFLUÊNCIA ALOMÉTRICA NO DESEMPENHO DE CORREDORES DE LONGA DISTÂNCIA. In: 21 Encontro Anual de Iniciação Científica e 2 Encontro Anual de Iniciação Tecnológica e Inovação, 2012, Maringá. Anais do 21 Encontro Anual de Iniciação Científica e 2 Encontro Anual de Iniciação Tecnológica e Inovação, 2012.
- 8 SCHUCH, C. P., BALBINOT, G., Balbinot, E., **PEYRÉ-TARTARUGA, L.A.**, ZARO, M. A. Assessment of measure error of external mechanical work during the human walking. In: XXII Congresso Brasileiro de Engenharia Biomédica, 2010, Tiradentes. Annals of XXII Brazilian Congress Biomedical Engineering, 2010.
- 9 MINETTI, A.E., **PEYRÉ-TARTARUGA, L.A.**, ARDIGÒ, L.P., FORMENTI, F., SUSTA, D. Energetical and electromyographical cost of locomotion in Nepalese Porters on Himalaya. Proceedings of the XII Brazilian Congress of Biomechanics, 88-94, 2007.
- 10 DUARTE, T.C., CAMPOS, E.F.L., COUTINHO, C., RIBAS, R.L., **PEYRÉ-TARTARUGA, L.A.**, LOSS, J.F. Mathematical model of energy cost in sprint running. In: XXV INTERNATIONAL SYMPOSIUM ON BIOMECHANICS IN SPORTS, 2007, Ouro Preto. Proceedings of XXV International Symposium on Biomechanics in Sports, 2007.
- 11 **PEYRÉ-TARTARUGA, L.A.**, COERTJENS, M., RIBEIRO, J.L., BLACK, G.L., TARTARUGA, M.P., RIBAS, L.R., KRUEL, L.F.M. Influence of Anthropometry on running economy and stride length in elite female runners. Proceedings of XI Brazilian Congress of Biomechanics, CD ROM, 2005.
- 12 BARTH, F.T., OLIVEIRA, L.G., **PEYRÉ-TARTARUGA, L.A.**, LOSS, J.F.. Regression analysis among biomechanic variables on rowing. Proceedings of XI Brazilian Congress of Biomechanics, CD ROM, 2005.
- 13 SCHIEHLL, P.E., FERRER, R.M., **PEYRÉ-TARTARUGA, L.A.**, LOSS, J.F.. Ground reaction forces on exercises of *Jump Fit*. Proceedings of XI Brazilian Congress of Biomechanics, CD ROM, 2005.
- 14 RITA, C.B., SOARES, D.P., OLIVEIRA, L.G., **PEYRÉ-TARTARUGA, L.A.**, LOSS, J.F.. Electromyographic comparison between four abdominal exercises. Proceedings of XI Brazilian Congress of Biomechanics, CD ROM, 2005.
- 15 BERNARDES, C., CAÑEIRO, J.P., **PEYRÉ-TARTARUGA, L.A.**, SILVEIRA, L.F., ARAÚJO, M.Â., LOSS, J.F.. Objectivity and reliability of manual digitization process from videofluoroscopic images. Proceedings of XI Brazilian Congress of Biomechanics, CD ROM, 2005.

- 16 OLIVEIRA, L.G., VELLADO, D.M., **PEYRÉ-TARTARUGA, L.A.**, GERTZ, L.C., LOSS, J.F. Force platforms developed for data collect on rowing ergometer. Proceedings of XI Brazilian Congress of Biomechanics, CD ROM, 2005.
- 17 FRAGA, C.H.W., BLOEDOW, L.S., CARPES, F., **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., FOLLMER, B., OLIVEIRA, Á.R., GUIMARÃES, A.C.S. Methodologic proposal to verify the influence of cycling on running kinematic aspects in Triathlon. Proceedings of XI Brazilian Congress of Biomechanics, CD ROM, 2005.
- 18 SILVA, C. B. ; **PEYRÉ-TARTARUGA, L.A.**, ALDABE, D. ; LOSS, Jefferson Fagundes . Correlação entre o torque de resistência a extensão passiva de joelho e a força de compressão tibiofemoral e ligamentos cruzados durante a extensão de joelho em cadeia cinética aberta. In: XVII Salão de Iniciação Científica da UFRGS, 2005, Porto Alegre. Anais do XVII Salão de Iniciação Científica da UFRGS, 2005. p. 630-630.
- 19 **PEYRÉ-TARTARUGA, L.A.**, DAL'AGNOL, Marcio José ; MARCON, Marcelo Alexandre ; RAMALHO, Maria Helena da Silva . Perfil antropométrico e estado nutricional em pré-escolares na cidade de Caxias do Sul/RS. In: II Congresso Sulbrasileiro de Ciências do Esporte, 2004, Criciúma, PR. Anais do II Congresso Sulbrasileiro de Ciências do Esporte, 2004.
- 20 **PEYRÉ-TARTARUGA, L.A.**, DAL'AGNOL, M.J., MARCON, M.A., RAMALHO, M.H.S. Anthropometric profile and nutritional state on pré-school children from Caxias do Sul City. Proceedings of Second South-Brazilian Congress of Sport Sciences. CD-ROM, GTT 01 – Physical Education/Physical Activity and Health, 2004.
- 21 ALBERTON, C.L., **PEYRÉ-TARTARUGA, L.A.**, TURRA, N.A., PETKOWICZ, R., MULLER, F.G., KRUEL, L.F.M. Efeitos do peso hidrostático na frequência cardíaca durante imersão no meio aquático. In: XXIII Congresso Brasileiro de Ciências do Esporte, 2003, Caxambú, MG. Anais do XXIII Congresso Brasileiro de Ciências do Esporte, 2003.
- 22 BLACK, G.L., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M.. Ground reaction forces analysis in hidroginastic instructors ministring exercises out-of-water. Proceedings of X Brazilian Congress of Biomechanics, Ouro Preto: UFMG: 254-259, 2003.
- 23 TARTARUGA, M.P., RIBEIRO, J.L., RIBAS, L.R., COERTJENS, M., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M.. Relation between running economy and biomechanic variables of running technique. Proceedings of X Brazilian Congress of Biomechanics, Ouro Preto: UFMG:237-241, 2003.
- 24 ALBERTON, C.L., **PEYRÉ-TARTARUGA, L.A.**, TURRA, N.A., PETKOWICZ, R, MÜLLER, F.G., KRUEL, L.F.M.. Effects of hidrostatic weight on heart rate during water immersion. Anais do XXIII Congresso Brasileiro de Ciências do Esporte, CD-ROM, GTT 01 – Educação Física/Atividade Física e Saúde, Caxambu: CBCE, 2003.
- 25 **PEYRÉ-TARTARUGA, L.A.**, COERTJENS, Marcelo ; BLACK, Gabriela Lovis ; TARTARUGA, Marcus Peikriszwili ; OLIVEIRA, Álvaro Reischak ; KRUEL, Luiz Fernando Martins . Influence of deep water run training supplement on the maintenance of aerobic performance and kinematics of middle-distance runners. In: XXth International Symposium on Biomechanics in Sports, 2002, Cáceres. Anais do XXth International Symposium on Biomechanics in Sports, 2002. p. 92-95.
- 26 KRUEL, Luiz Fernando Martins ; **PEYRÉ-TARTARUGA, L.A.**, LARRONDA, Ana Carolina Chaves ; LOSS, Jefferson Fagundes ; TARTARUGA, Marcus Peikriszwili . Kinematic analysis of middle-distance runners during treadmill running and deep water running.. In: XXth International Symposium on Biomechanics in Sports, 2002, Cáceres. Anais do XXth International Symposium on Biomechanics in Sports, 2002. p. 88-91.
- 27 **PEYRÉ-TARTARUGA, L.A.**, RIBAS, L.R., BLACK, G.L., COERTJENS, M., TARTARUGA, M.P., OLIVEIRA, A. R, KRUEL, L.F.M. Effects of fatigue on running kinematics. Proceedings of IX Brazilian Congress of Biomechanics. Gramado: UFRGS, 2001. pp. 204-208.

- 28 TARTARUGA, M.P., BLACK, G.L., COERTJENS, M., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M.. Movement of rearfoot in long distance and sprint runners. Proceedings of IX Brazilian Congress of Biomechanics. Gramado: UFRGS, 2001. pp. 64-70.
- 29 KRUEL, L.F.M., **PEYRÉ-TARTARUGA, L.A.**. Percentual reduction on hidrostatic weight throughout vertical immersion method in women of diferent ages. Proceedings of IX Brazilian Congress of Biomechanics. Gramado: UFRGS, 2001. pp.186-191.
- 30 **PEYRÉ-TARTARUGA, L.A.**, LARRONDA, Ana Carolina Chaves ; LOSS, Jefferson Fagundes ; KRUEL, Luiz Fernando Martins . Comparison of lower limb kinematics of middle-distance runners during treadmill running. In: XVIII Symposium International of Sports Biomechanics, 2000, Hong Kong. Proceedings of XVIII Symposium International of Sports Biomechanics, 2000. p. 89-93.
- 31 **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, Marcus Peikriszwili ; LOSS, Jefferson Fagundes ; KRUEL, Luiz Fernando Martins . Correlação de parâmetro cinemáticos angulares com velocidade linear durante corrida em esteira. In: Fórum Olímpico 2000, 2000, Porto Alegre, RS. Alberto Reinaldo Reppold Filho & Nelson Schneider Todt(Eds), 2000. p. 177-184.
- 32 **PEYRÉ-TARTARUGA, L.A.**, RIBAS, L.R., LOSS, J.F., KRUEL, L.F.M. Lower limb kinematics throughout picture phase analysis on treadmill running. Proceedings of VIII Brazilian Congress of Biomechanics.. Florianópolis: UDESC, 1999. pp.173-178.
- 33 DIAS, A. B. C. ; SILVA, R. C. ; **PEYRÉ-TARTARUGA, L.A.**, PICANÇO, P. P. ; RANGEL, A. C. B. . Determinação da freqüência cardíaca em pessoas de diferentes idades submetidas a diferentes profundidades de água. In: Simpósio Internacional de Ciência e Tecnologia no Esporte, 1997, Porto Alegre, RS. Anais do Simpósio Internacional de Ciência e Tecnologia no Esporte. Porto Alegre: Multimedia Edição Gráfica, 1997.

**e) congress abstracts**

- 1 KIIHN, A. L. ; MICHALICHEN, K. C. ; BATISTA, M. M. ; LOPES, K. A. ; MARTINS, M. V. S. ; PORTELA, B. S. ; QUEIROGA, M. R. ; **PEYRÉ-TARTARUGA, L.A.** ; TARTARUGA, Marcus Peikriszwili . INFLUÊNCIA ALOMÉTRICA NA RELAÇÃO ENTRE INGESTA ISOTÔNICA E TRABALHO MECÂNICO DE CORREDORES FUNDISTA. In: XVII Congresso Brasileiro de Biomecânica, 2017, Porto Alegre. Anais do XVII Congresso Brasileiro de Biomecânica. Porto Alegre: pucrs, 2017.
- 2 DE CARVALHO, A.R. ; COIMBRA, R. S. ; THOMAS, E. M. ; PAZ, M. C. R. ; **PEYRÉ-TARTARUGA, L.A.** . EFEITO DA VARIAÇÃO DA VELOCIDADE DE CORRIDA SOBRE O CONTEÚDO ESPECTRAL DO VASTO LATERAL E GASTROCNÊMIO MEDIAL. In: XVII Congresso Brasileiro de Biomecânica, 2017, Porto Alegre. Anais do XVII Congresso Brasileiro de Biomecânica. Porto Alegre: pucrs, 2017.
- 3 Gomeñuka, N.A. ; OLIVEIRA, H. B. ; SILVA, E. S. ; DA ROSA, R. G. ; **PEYRÉ-TARTARUGA, L.A.** . Efeitos do treinamento de caminhada nórdica e livre em parâmetros de marcha de idosos: Um ECR.. In: XVII Congresso Brasileiro de Biomecânica, 2017, Porto Alegre. Anais do XVII Congresso Brasileiro de Biomecânica. Porto Alegre: pucrs, 2017. v. 00. p. 1.
- 4 DINIZ, R. ; VECCHIO, F. B. ; OLIVEIRA, H. B. ; SCHAUN, G. ; PORTELLA, E. ; SILVA, E. S. ; FORMALIONI, A. ; CAMPELO, P. ; **PEYRÉ-TARTARUGA, L.A.** ; PINTO, S. S. . DISTÂNCIA, VELOCIDADE E IMPACTO DO CHUTE SEMICIRCULAR EM ATLETAS DE TAEKWONDO, KARATÊ E MUAYTHAI. In: XVII Congresso Brasileiro de Biomecânica, 2017, Porto Alegre. Anais do XVII Congresso Brasileiro de Biomecânica. Porto Alegre: pucrs, 2017. v. 00. p. 1-1.

- 5 COERTJENS, P. ; COERTJENS, Marcelo ; OLIVEIRA, H. G. ; KNORST, M. M. ; PEYRÉ-TARTARUGA, L.A. . Relationship between stair climbing test and locomotor parameters after pulmonary rehabilitation. In: European Respiratory Society International Congress, 2017, Milan. Proceedings of ERS International Congress, 2017.
- 6 COERTJENS, Marcelo ; COERTJENS, P. ; OLIVEIRA, H. G. ; KNORST, M. M. ; PEYRÉ-TARTARUGA, L.A. . Locomotor rehabilitation index: a new parameter for pulmonary rehabilitation. In: European Respiratory Society International Congress, 2017, Milan. Proceedings of ERS International Congress, 2017.
- 7 RODRIGUEIRO, T. D. ; Peyré-Tartaruga, Leonardo Alexandre . EFEITO DA VARIAÇÃO DA VELOCIDADE DE CORRIDA SOBRE O CONTEÚDO ESPECTRAL DO VASTO LATERAL E GASTROCNÊMIO MEDIAL. In: Salão UFRGS 2017: SIC - XXIX SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2017, Porto Alegre. Anais do Salão UFRGS 2017: SIC - XXIX SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2017. v. 1. p. 1.
- 8 GEHRKE, R. S. ; Peyré-Tartaruga, Leonardo Alexandre . EFEITO AGUDO DO TREINAMENTO PLIOMÉTRICO COM E SEM INDUÇÃO DE POTENCIALIZAÇÃO PÓS-ACTIVAÇÃO NO DESEMPENHO DE SALTOS EM JOGADORES DE VOLEIBOL. In: Salão UFRGS 2017: SIC - XXIX SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2017, Porto Alegre. Anais do Salão UFRGS 2017: SIC - XXIX SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2017. v. 1. p. 1.
- 9 SILVA, E. S. ; Peyré-Tartaruga, Leonardo Alexandre . DETERMINANTES MECÂNICAS DO SPRINT EM JOGADORAS DE FUTEBOL PROFISSIONAL. In: Salão UFRGS 2017: SIC - XXIX SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2017, Porto Alegre. Anais do Salão UFRGS 2017: SIC - XXIX SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2017. v. 1. p. 1-1.
- 10 SILVA, E. S. ; LIEDTKE, F. ; TARTARUGA, LEONARDO ALEXANDRE ; FISCHER, G. . DIAGNÓSTICO DO DESEMPENHO DE SALTOS VERTICAIS EM CORREDORES RECREACIONAIS COM DEFICIÊNCIA VISUAL. In: VII Symposium on Applied Neuromechanics: from Olympics to Paralympics, 2016, Curitiba. Annals of VII Symposium on Applied Neuromechanics: from Olympics to Paralympics, 2016.
- 11 FISCHER, G. ; GASS, R. ; FIGUEIREDO, P. ; NUNES, E. ; PEYRÉ-TARTARUGA, LEONARDO A. . Validity of Wheelchair Fencing Performance Test in spinal cord injured athletes: preliminary results. In: ICSEMIS 2016 - International convention on science, education and medicine in sport, 2016, Santos. Annals of the ICSEMIS 2016 - International convention on science, education and medicine in sport, 2016.
- 12 QUEIROZ, F. B. ; SCHONS, P. ; COERTJENS, Marcelo ; GHISI, C. U. ; BERTON, D. ; Peyré-Tartaruga, Leonardo Alexandre ; FISCHER, G. . RESPOSTAS CLÍNICAS E METABÓLICAS DE PACIENTES COM DPI DURANTE A CAMINHADA EM DIFERENTES VELOCIDADES. In: XXXVIII Congresso Brasileiro de Pneumologia e Tisiologia, IX Congresso Luso-Brasileiro de Pneumologia e XIV Congresso Brasileiro de Endoscopia Respiratória, 2016, Rio de Janeiro. Anais do XXXVIII Congresso Brasileiro de Pneumologia e Tisiologia, IX Congresso Luso-Brasileiro de Pneumologia e XIV Congresso Brasileiro de Endoscopia Respiratória, 2016.
- 13 GASS, R. ; FISCHER, G. ; QUEIROZ, F. B. ; COERTJENS, Marcelo ; RIBEIRO, P. A. ; Peyré-Tartaruga, Leonardo Alexandre . Efeitos do treinamento muscular inspiratório sobre o consumo de oxigênio de pico e a redistribuição de fluxo sanguíneo em um indivíduo com paraplegia. In: XXXVIII Congresso Brasileiro de Pneumologia e Tisiologia, IX Congresso Luso-Brasileiro de Pneumologia e XIV Congresso Brasileiro de Endoscopia Respiratória, 2016, Rio de Janeiro. Anais do XXXVIII Congresso Brasileiro de Pneumologia e Tisiologia, IX Congresso Luso-Brasileiro de Pneumologia e XIV Congresso Brasileiro de Endoscopia Respiratória, 2016.
- 14 FISCHER, G. ; PEYRÉ-TARTARUGA, L.A. ; ARDIGÒ, L.P. ; MINETTI, A. E. . BIOMECHANICS OF HANDBIKING: INSIGHTS ABOUT KINEMATIC MECHANICAL POWER COMPONENTS. In: XVI

Congresso Brasileiro de Biomecânica, 2015, Florianópolis. Anais do XVI Congresso Brasileiro de Biomecânica, 2015. v. 1. p. 74-74.

- 15 FAQUIN, A. ; PEYRÉ-TARTARUGA, L.A. . ANÁLISE DINÂMICA DA MARCHA COM O USO DE COTURNO. In: XVI Congresso Brasileiro de Biomecânica, 2015, Florianópolis. Anais do XVI Congresso Brasileiro de Biomecânica, 2015. v. 1. p. 103-103.
- 16 MONTEIRO, E. P. ; FRANZONI, L. T. ; OLIVEIRA, H. B. ; CUBILLOS, D. M. ; FAGUNDES, A. ; RIEDER, C. R. ; PEYRÉ-TARTARUGA, L.A. . CAMINHADA NÓRDICA E CAMINHADA LIVRE MELHORAM O ÍNDICE DE REABILITAÇÃO DA MARCHA DE PACIENTES COM DOENÇA DE PARKINSON. In: XVI Congresso Brasileiro de Biomecânica, 2015, Florianópolis. Anais do XVI Congresso Brasileiro de Biomecânica, 2015. v. 1. p. 137-137.
- 17 MONTEIRO, E. P. ; FRANZONI, L. T. ; PANTOJA, Patrícia Dias ; DE CARVALHO, A.R. ; LIEDTKE, G. V. ; Gomeñuka, N.A. ; MARTINEZ, F.G. ; RIEDER, C. R. ; PEYRÉ-TARTARUGA, L.A. . EFEITOS DO TREINAMENTO DE CAMINHADA NÓRDICA E CAMINHADA LIVRE SOBRE PARÂMETROS BIOMECÂNICOS DE PESSOAS COM DP: ENSAIO CLÍNICO CONTROLADO RANDOMIZADO. In: XVI Congresso Brasileiro de Biomecânica, 2015, Florianópolis. Anais do XVI Congresso Brasileiro de Biomecânica, 2015. v. 1. p. 138-138.
- 18 FAGUNDES, A. ; WERBA, D. R. ; CANTERGI, D. ; FRANZONI, L. T. ; HAAS, A. N. ; PEYRÉ-TARTARUGA, L.A. ; LOSS, Jefferson Fagundes . ANÁLISE ELETROMIOGRÁFICA DO EXERCÍCIO TEASER DO METODO PILATES EM TRES CONDIÇÕES. In: XVI Congresso Brasileiro de Biomecânica, 2015, Florianópolis. Anais do XVI Congresso Brasileiro de Biomecânica, 2015. v. 1. p. 233-233.
- 19 JACQUES, T. C. ; BINI, R. R. ; DA ROSA, R. G. ; PEYRÉ-TARTARUGA, L.A. ; Mota, C.B. ; VAZ, M. A. . TRIATHLETES PLANTARFLEXORS STIFFNESS AFTER CYCLING. In: XVI Congresso Brasileiro de Biomecânica, 2015, Florianópolis. Anais do XVI Congresso Brasileiro de Biomecânica, 2015. v. 1. p. 350-350.
- 20 MORAES, D. U. ; PEYRÉ-TARTARUGA, L.A. ; SILVA, P. F. . BAIXA CAPACIDADE FUNCIONAL EM PACIENTES COM DOENÇA ARTERIAL PERIFÉRICA PODE ESTAR ASSOCIADA A ALTOS NÍVEIS DE INFLAMAÇÃO. In: IV Congresso de Educação Física do Vale do São Francisco - Cefivasf, 2015, Petrolina. Anais do IV Congresso de Educação Física do Vale do São Francisco - Cefivasf, 2015. v. 1. p. 94-94.
- 21 PANTOJA, Patrícia Dias ; DE CARVALHO, A.R. ; BERRIEL, G. ; RIBAS, Leonardo Rossato ; PEYRÉ-TARTARUGA, L.A. . AGREEMENT BETWEEN DIFFERENT APPROACHES OF A SLED TOWING SPRINT TEST. In: 20th annual Congress of the European College of Sport Science, 2015, Malmo. Proceedings of the 20th annual Congress of the European College of Sport Science, 2015.
- 22 STORNILO, J.L.L. ; PEYRÉ-TARTARUGA, L.A. . Influence of Different Strength Training on Rating of Perceived Effort of Running. In: 20th annual Congress of the European College of Sport Science, 2015, Malmo. Proceedings of the 20th annual Congress of the European College of Sport Science, 2015.
- 23 STORNILO, J.L.L. ; MINETTI, A. E. ; PEYRÉ-TARTARUGA, L.A. . EFFECTS OF DIFFERENT STRENGTH TRAINING PROGRAMS ON BIOMECHANICAL AND ENERGETIC PARAMETERS OF RUNNING IN TWO DIFFERENT INTENSITIES. In: XXV Congress of the International Society of Biomechanics, 2015, Glasgow. Proceedings of the XXV Congress of the International Society of Biomechanics, 2015.
- 24 SILVA, E. S. ; PEYRÉ-TARTARUGA, L.A. . EFEITOS DE UM TREINAMENTO DE PILATES SOBRE O CUSTO METABÓLICO E A ATIVAÇÃO MUSCULAR DURANTE A CORRIDA. In: XXVII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2015, PORTO ALEGRE. ANAIS DO XXVII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS. PORTO ALEGRE: UFRGS, 2015. v. 1.
- 25 FRANZONI, L. T. ; PEYRÉ-TARTARUGA, L.A. . EFEITOS DE SEIS SEMANAS DE TREINAMENTO DE CAMINHADA NÓRDICA E CAMINHADA LIVRE SOBRE O EQUILÍBRIO ESTÁTICO E FUNCIONAL DE



PESSOAS COM DOENÇA DE PARKINSON. In: XXVII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2015, PORTO ALEGRE. ANAIS DO XXVII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS. PORTO ALEGRE: UFRGS, 2015. v. 1.

- 26 PADOVANI, L. Z. ; PEYRÉ-TARTARUGA, L.A. . EFEITO DE DOIS MODELOS DE INTERVENÇÃO SOBRE O CUSTO DE CAMINHADA EM IDOSOS. In: XXVII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2015, PORTO ALEGRE. ANAIS DO XXVII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS. PORTO ALEGRE: UFRGS, 2015. v. 1.
- 27 GOMEÑUKA, N.A., ROSA, R.G., OLIVEIRA, H.B., DE CARVALHO, A.R., **PEYRÉ-TARTARUGA, L.A.** Effect of speed, gradient and load on mechanical efficiency and metabolic power in human walking. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 28 STORNILO, J.L.L., SILVA, P., **PEYRÉ-TARTARUGA, L.A.** Correlation among different intensities of running economy and maximal oxygen consumption with performance in recreational runners in 5-km race. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 29 FAGUNDES, A., FRANZONI, L.T., PANTOJA, P.D., MONTEIRO, E.P., DE CARVALHO, A.R., **PEYRÉ-TARTARUGA, L.A.** Comparison of two methods for determination of cost of transport. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 30 MONTEIRO, E.P., FRANZONI, L.T., Gomeñuka, N.A., OLIVEIRA, H.B., FAGUNDES, A., PANTOJA, P.D., MARTINEZ, F.G., **PEYRÉ-TARTARUGA, L.A.** Determination method of Rehabilitation Index throughout walking self-selected speed of people with Parkinson Disease. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 31 DE CARVALHO, A.R., SPIRONELLO, A., BERTOR, W., **PEYRÉ-TARTARUGA, L.A.** Agreement between two methods for calculation of muscle mechanical power. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 32 SANSEVERINO, M.A., STORNILO, J.L.L., **PEYRÉ-TARTARUGA, L.A.** Effects of two strength training programs on supramaximal metabolic power in recreational runners. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 33 HUBNER, J., STORNILO, J.L.L., DELEVATTI, R.S., **PEYRÉ-TARTARUGA, L.A.** Effects of two strength training programs on heart rate and ventilatory threshold in recreational runners. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 34 COSTA, A.C., STORNILO, J.L.L., **PEYRÉ-TARTARUGA, L.A.** Effects of two strength training programs on rated perceived exertion and running training load in recreational runners. In: V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014, Londrina. Anais do V Congresso Brasileiro de Metabolismo, Nutrição e Exercício, 2014. v. xx. p. xx-xx.
- 35 PINTO, S.S., ZAFFARI, P., BAGATINI, N.C., BARONI, B.M., LANFERDINI, F.J., RADAELLI, R., PANTOJA, P.D., **PEYRÉ-TARTARUGA, L.A.**, SCHOENELL, M.C.W., CADORE, E.L., VAZ, M.A., KRUEL, L.F.M. Water-based concurrent training improves neuromuscular economy, force development and jump height in young women. In: 61st Annual Meeting of the American College of Sports Medicine, 2014, Orlando. Medicine and Science in Sports and Exercise, 2014. v. 46. p. S199.
- 36 ALBERTON, C.L., PINTO, S.S., CADORE, E.L., KANITZ, A., DELEVATTI, R.S., PANTOJA, P.D., **PEYRÉ-TARTARUGA, L.A.**, COLADO, J., KRUEL, L.F.M. Acute effects of aerobic exercises on the

subsequent water-based resistance exercises. In: 61st Annual Meeting of the American College of Sports Medicine, 2014, Orlando. *Medicine and Science in Sports and Exercise*, 2014. v. 46. p. S727.

- 37 SILVA, P.F., BONA, R.L., Santos, A.B., SANSEVERINO, M.A., MORAES, R., **PEYRÉ-TARTARUGA, L.A.**, MORAES, D.U. WALKING ECONOMY IN PERIPHERAL ARTERIAL DISEASE: THE FASTER THE BETTER?. In: 19th Annual Congress of the European College of Sport Science, 2014, Amsterdam. *Annals of 19th Annual Congress of the European College of Sport Science*, 2014.
- 38 MARTINEZ, F.G., ROSA, R.G., OLIVEIRA, H.B., ELY, C.C., CHAVES, R.L., **PEYRÉ-TARTARUGA, L.A.** Influence of load and speed on inter-segmental coordination and stride-to-stride variability of gradient walking. In: IXth International Symposium Progress in Motor Control, 2013, Montreal. Program and abstracts of IXth International Symposium Progress in Motor Control, 2013.
- 39 MARTINEZ, F.G., ROSA, K., ELY, C.C., CHAVES, R.L., ARNT, V., ALVES, K., BRODT, G., LOSS, J.F., **PEYRÉ-TARTARUGA, L.A.** Trunk muscle activity during different upper limb exercises in anticipatory postural adjustments: a quantification for periodization of therapeutic exercises. In: IXth International Symposium Progress in Motor Control, 2013, Montreal. Program and abstracts of IXth International Symposium Progress in Motor Control, 2013.
- 40 STORNILO, J.L.L., BONA, R.L., FINATTO, P., SANSEVERINO, M.A., MONTEIRO, E.P., **PEYRÉ-TARTARUGA, L.A.** MECHANICAL EFFICIENCY, ENERGETIC COST AND MECHANICAL WORK IN THE HUMAN RUNNING. In: XXIV Congress of the International Society of Biomechanics, 2013, Natal. *Proceedings of XXIV Congress of the International Society of Biomechanics*, 2013.
- 41 OLIVEIRA, H.B., ROSA, R.G., Gomeñuka, N.A., PAIM, A., **PEYRÉ-TARTARUGA, L.A.** INFLUENCE OF LOAD AND VELOCITY IN GRADIENT WALKING STABILITY. In: XXIV Congress of the International Society of Biomechanics, 2013, Natal. *Proceedings of XXIV Congress of the International Society of Biomechanics*, 2013.
- 42 Oliveira, H.B., **PEYRÉ-TARTARUGA, L.A.** ESTABILIDADE DINÂMICA, CINEMÁTICA E CUSTO DE TRANSPORTE DA CAMINHADA: ANÁLISE COMPARATIVA ENTRE GRUPO CONTROLE E GRUPO HEMIPARÉTICO. In: XXIV Salão de Iniciação Científica da UFRGS, 2012, Porto Alegre. *Anais do XXIV Salão de Iniciação Científica da UFRGS. PORTO ALEGRE: UFRGS*, 2012.
- 43 DE CARVALHO, A.R., FAGUNDES, A., FONTOURA, M.S., MELO, O.U., REMIAO, E.O., **PEYRÉ-TARTARUGA, L.A.** Influência da esparadrapagem de tornozelo na economia de corrida. In: XI Congresso Paulista de Medicina do Esporte e XIII Encontro A.A.A.R.L. de Medicina Esportiva, 2012, Ribeirão Preto. *Anais do XI Congresso Paulista de Medicina do Esporte e XIII Encontro AAARL de Medicina Esportiva. Ribeirão Preto*, 2012.
- 44 FURLANETTO, T.S., VARGAS, W.O., **PEYRÉ-TARTARUGA, L.A.**, ZARO, M.A. Análise da funcionalidade do joelho e equilíbrio corporal de indivíduos com reconstrução unilateral do ligamento cruzado anterior. In: XIV Congresso Brasileiro de Biomecânica, 2011, Ribeirão Preto. *Anais do XIV Congresso Brasileiro de Biomecânica. São Paulo: USP*, 2011. p. 31-31.
- 45 BRIANI, R., DE CARVALHO, A.R., BERTOR, W., MATTJIE, T., PASQUALLI, T., TARTARUGA, M.P., **PEYRÉ-TARTARUGA, L.A.** CONFIABILIDADE INTER E INTRA-AVALIADOR PARA DETERMINAÇÃO DE MEDIDAS ANGULARES DO TRONCO, POR CINEMETRIA, NA CORRIDA. In: XIV Congresso Brasileiro de Biomecânica, 2011, Ribeirão Preto. *Anais do XIV Congresso Brasileiro de Biomecânica. São Paulo: USP*, 2011. p. 113-113.
- 46 OLIVEIRA, H.B., **PEYRÉ-TARTARUGA, L.A.**, SCHUCH, C.P. EFEITOS DA VELOCIDADE NA ESTABILIDADE DA CAMINHADA: ESTUDO COMPARATIVO ENTRE GRUPO CONTROLE E HEMIPARÉTICO. In: II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano, 2011, Santa Maria. *Anais do II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano.*, 2011. p. 15.

- 47 ROSA, R., GOMEÑUKA, N.A., **PEYRÉ-TARTARUGA, L.A.** PARÂMETROS ESPAÇO TEMPORAIS DA CAMINHADA COM CARGA EM DIFERENTES VELOCIDADES EM TERRENO INCLINADO. In: II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano, 2011, Santa Maria. Anais do II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano., 2011. p. 16.
- 48 GOMEÑUKA, N.A., ROSA, R., BONA, R.L., **PEYRÉ-TARTARUGA, L.A.** EFEITOS DA INCLINAÇÃO DO TERRENO E DA CARGA NO RECOVERY E NO CUSTO DE TRANSPORTE DA CAMINHADA HUMANA. In: II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano, 2011, Santa Maria. Anais do II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano., 2011. p. 18.
- 49 STORNILO, J.L.L., BONA, R.L., GOMEÑUKA, N.A., ROSA, R., OLIVEIRA, H.B., **PEYRÉ-TARTARUGA, L.A.** EFEITOS DO TREINAMENTO DE FORÇA MÁXIMA NA BIOMECÂNICA DA CORRIDA HUMANA. In: II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano, 2011, Santa Maria. Anais do II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano., 2011. p. 20.
- 50 BONA, R.L., Gomeñuka, N.A., STORNILO, J.L.L., **PEYRÉ-TARTARUGA, L.A.** LOCOMOÇÃO DE AMPUTADOS: VELOCIDADE ÓTIMA, MECANISMO PENDULAR E EFICIÊNCIA ENERGÉTICA ESTUDO DE CASO. In: II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano, 2011, Santa Maria. Anais do II Simpósio em Neuromecânica Aplicada: Análise Tridimensional do Movimento Humano., 2011. p. 21.
- 51 OLIVEIRA, H.B., SCHUCH, C.P., **PEYRÉ-TARTARUGA, L.A.** VARIABILIDADE DO TEMPO DE CONTATO E ÍNDICE DE SIMETRIA DA CAMINHADA DE UM SUJEITO HEMIPARÉTICO EM DIFERENTES VELOCIDADES. In: XXII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2010, PORTO ALEGRE. ANAIS DO XXII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS. PORTO ALEGRE: UFRGS, 2010.
- 52 FERRER, R.M., **PEYRÉ-TARTARUGA, L.A.**, PORTELLA, G., PACHECO, A.M. A Estabilidade Dinâmica durante a Corrida de Atletas de Futsal com e sem o uso de Bandagens Funcionais. In: IV Congresso Brasileiro, II Simpósio Internacional da Sociedade Nacional de Fisioterapia e IV Jornada Brasil-Argentina de Fisioterapia Esportiva, 2009, Porto Alegre. Revista Ciência e Saúde. porto alegre: puc, 2009. p. 51-51.
- 53 SCHUCH, C.P., BOSS, M., ALBERTON, C., FISCHER, G., **PEYRE-TARTARUGA, L.A.**, SUSTA, D. The role of anthropometric profile changes due to aging of human walking: mechanical work and cost of transport. In: 3rd international congress Mountain, Sport and Health updating study and research from laboratory to field, Rovereto, Italy. 2009.
- 54 GOMENUKA, N., SCHUCH, C.P., BONA, R., FISCHER, G., **PEYRE-TARTARUGA, L.A.** The effects of anthropometric tables on mechanical work during gradient and loaded walking: a case study. In: 3rd international congress Mountain, Sport and Health updating study and research from laboratory to field, Rovereto, Italy. 2009.
- 55 STORNILO JUNIOR, J.L., COUTO, F.B.O., FISCHER, G., SILVA, P.F., **PEYRÉ-TARTARUGA, L.A.** Comparação entre dois métodos para determinação da potência mecânica em saltos verticais. Anais do XXI Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS:124, 2009.
- 56 MINETTI, A.E., ARDIGÒ, L.P., FORMENTI, F. **PEYRÉ-TARTARUGA, L.A.**, SUSTA, D. Load carryng in nepalese porters and in caucasian mountaineers. Journal of Biomechanics 40 (S2), 2007.
- 57 ILHA, J., **PEYRÉ-TARTARUGA, L.A.**, ARAUJO, R.T., METZEN, F., MALYSZ, T., CANTO, F. ACHAVAL ELENA, M., LOSS, J.F. Locomotor behaviour assessment in the rat by kinematic analysis. Journal of Biomechanics, Volume 39, Supplement 1, 2006, Page S507.
- 58 **PEYRÉ-TARTARUGA, L.A.**, DE MEDEIROS, M.H., COERTJENS, M., TARTARUGA, M.P., KRUEL, L.F.M. The relation between running economy and kinematical variables: influence of body mass in

competitive runners. Journal of Biomechanics, Volume 39, Supplement 1, 2006, Page S631.

- 59 SCHIEHLL, P.E., **PEYRÉ-TARTARUGA, L.A.**, ZINGANO, G.M., LOSS, J.F. Estimation of the quantification of the elastics loads on the jump fit circuit. Journal of Biomechanics, Volume 39, Supplement 1, 2006, Page S555.
- 60 MARTINEZ, F.G., **PEYRÉ-TARTARUGA, L.A.**, HERMEL, E.E.S., XAVIER, L.L., RASIA-FILHO, A.A., ACHAVAL, M. Intermediate filament expression in the medial amygdala subnuclei during postnatal development of male and female rats. 5<sup>th</sup> Forum of the Federation of European Neuroscience Societies. Viena: FENS, 3: A155.6, 2006.
- 61 **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., COERTJENS, M., BLACK, G.L., RIBEIRO, J.L., KRUEL, L.F.M. Physiological effects of suplementar water running training on elite running performance. Brazilian Journal of Exercise Physiology, v.3, n.1: 124, 2004.
- 62 YOSHIOKA, A., MELATI, F., ACOSTA, G.Z., RODRIGUES, L.P., BAGATINI, D. FIGUEIREDO, P.P. de, **PEYRÉ-TARTARUGA, L.A.**, MÜLLER, F.G., KRUEL, L.F.M. Efeitos de um treinamento de força sem equipamento em mulheres praticantes de hidroginástica. Anais do XVI Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS: 539, 2004.
- 63 PANTOJA, P.D., COERTJENS, M., PETKOWIZS, R, **PEYRÉ-TARTARUGA, L.A.**, VENDRÚSCULO, Alecsandra, KRUEL, L.F.M.. Relação entre a sensação subjetiva ao esforço e consumo máximo de oxigênio. Anais do XVI Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS: 570, 2004.
- 64 COERTJENS, M., **PEYRÉ-TARTARUGA, L.A.**, PUSCH, H., RIBEIRO, J.L., OLIVEIRA, N.L., SANTOS, C., OLIVEIRA, Á.R., KRUEL, L.F.M. Validity and reliability of maximal oxygen uptake prediction using polar M52 heart rate monitor. Brazilian Journal of Sports Medicine, 9, Supplement 1: S48, 2003.
- 65 PERES JUNIOR, E.A., FIGUEIREDO, P.A.P., **PEYRÉ-TARTARUGA, L.A.**, MICHALSKI, L.P.R., PEREIRA, L., BERGMAM, G.G., KRUEL, L.F.M. Estudo comparativo entre idosos do sexo feminino, praticantes de hidroginástica e não praticantes (sedentários), quanto aos níveis de aptidão física relacionados com a saúde. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS:558, 2003.
- 66 FERRARESE, Fabíola Zambom, **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L. F. M. A influência de um programa de hidroginástica na auto-estima de mulheres de 45 a 65 anos. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS:560, 2003.
- 67 TARTARUGA, M.P., RIBAS, L. R., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L. F. M. Comparação do ângulo da articulação subtalar durante velocidades submáximas de corrida. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS:586, 2003.
- 68 SIMOES, M. B., KRUEL, L. F. M., LOPES, L., EICHLER, R., MACHADO, G., BONEZI, A., SAMPAIO, D., JESUS, T. C., SOUZA, A. S., **PEYRÉ-TARTARUGA, L.A.**. Validade e objetividade da matriz de análise do nado crawl. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS: 587, 2003.
- 69 CARDOSO, A. S., **PEYRÉ-TARTARUGA, L.A.**, BARELLA, R. E., BRENTANO, Michel Árias, KRUEL, L. F. M. Efeitos de um programa de treinamento de corrida em piscina funda na força muscular de mulheres. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS:599, 2003.
- 70 ALBERTON, C.L., FIGUEIREDO, P. A. P., FINKELSTEIN, I., GARCIA, D. R., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L. F. M. Comportamento da frequência cardíaca, pressão arterial e peso hidrostático de gestantes em diferentes profundidades de imersão. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS:600, 2003.
- 71 SCHWINGEL, P. A., **PEYRÉ-TARTARUGA, L.A.**, TURRA, Nadia Andreia, KRUEL, L. F. M. Influência da imersão sobre a pressão arterial em diferentes intensidades de exercício. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS:630, 2003.

- 72 BELTRAMI, F. G., FIGUEIREDO, P. A. P., BORGES JUNIOR, N. G., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L. F. M. Metodologia para isolamento do sistema de eletromiografia para a utilização no meio líquido. Anais do XV Salão de Iniciação Científica da UFRGS. Porto Alegre: UFRGS: 699, 2003.
- 73 LARRONDA, A.C.C., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M. Efeitos das restrições do ambiente e da tarefa na coordenação intra-membro durante a corrida em piscina funda. III SEMINÁRIO DE COMPORTAMENTO MOTOR, Gramado. Anais do III Seminário de Comportamento Motor, CD-ROM, 2002.
- 74 BLACK, G.L., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M. Análise da força de reação vertical em professores de hidroginástica ministrando exercícios fora d'água. In: XIV SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2002, Porto Alegre. Anais do XIV Salão de Iniciação Científica da UFRGS. Porto Alegre: Editora da UFRGS, 2002: 514.
- 75 AMBROSINI, Anelise Bueno, **PEYRÉ-TARTARUGA, L.A.**, TARTARUGA, M.P., COERTJENS, M., BLACK, G.L., RIBEIRO, J.L., RIBAS, L.R., KRUEL, L.F.M.. Efeitos biomecânicos do treinamento complementar de corrida em piscina funda no desempenho de corredores de rendimento. In: XIV SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2002, Porto Alegre. Anais do XIV Salão de Iniciação Científica da UFRGS. Porto Alegre: Editora da UFRGS, 2002: 515.
- 76 TARTARUGA, M.P., RIBEIRO, J.L., RIBAS, L.R., **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M.. Relação entre economia de corrida e variáveis biomecânicas da técnica de corrida. In: XIV SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2002, Porto Alegre. Anais do XIV Salão de Iniciação Científica da UFRGS. Porto Alegre: Editora da UFRGS, 2002: 515-516.
- 77 HENKE, Betina Zill, BRENTANO, Michel Árias, **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M.. Determinação da velocidade crítica em nadadores de rendimento do Rio Grande do Sul. In: XIV SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2002, Porto Alegre. Anais do XIV Salão de Iniciação Científica da UFRGS. Porto Alegre: Editora da UFRGS, 2002: 516.
- 78 TARTARUGA, M.P., ONGARATTO, Luciano, **PEYRÉ-TARTARUGA, L.A.**, KRUEL, L.F.M.. Sistema computacional para aprendizagem do nado crawl, costas, e peito utilizando-se matrizes de análises. Anais do XII Salão de Iniciação Científica. Porto Alegre: Editora da UFRGS, 2000: 361.
- 79 **PEYRÉ-TARTARUGA, L.A.**, LARRONDA, A.C.C., TARTARUGA, M.P., SOARES, Denise P., LOSS, J.F., KRUEL, L.F.M.. Comparação de Parâmetros Cinemáticos velocidade e deslocamento angular entre corrida em terra e corrida em piscina funda. In: XII SALÃO DE INICIAÇÃO CIENTÍFICA DA UFRGS, 2000, Porto Alegre. Anais do XII Salão de Iniciação Científica da UFRGS. Porto Alegre: Editora da UFRGS, 2000: 361.
- 80 **PEYRÉ-TARTARUGA, L.A.**, RIBAS, L.R., LOSS, J.F., KRUEL, L.F.M.. Correlação de parâmetros cinemáticos angulares com velocidade linear durante corrida em esteira. In: XI SALÃO DE INICIAÇÃO CIENTÍFICA, 1999, Porto Alegre. Anais do XI Salão de Iniciação Científica. Porto Alegre: Editora da UFRGS, 1999.
- 81 **PEYRÉ-TARTARUGA, L.A.** Sports in the school: limits and possibilities. Brazilian Journal of Sport Sciences, 21 (1: 1501, 1999.
- 82 **PEYRÉ-TARTARUGA, L.A.**, SILVA, Rafael Carvalho da, DIAS, A.B.C., PICANÇO, Paulo Pivatto, RANGEL, Antonio Carlos Barbosa, KRUEL, L.F.M. Determinação do Percentual de Redução do Peso Hidrostático em pessoas do sexo feminino de diferentes faixas etárias. Anais do Sétimo Congresso de Educação Física e Ciências do Esporte dos Países de Língua Portuguesa: 272, 1999.
- 83 PICANÇO, Paulo Pivatto, DIAS, A.B.C., SILVA, Rafael Carvalho da, **PEYRÉ-TARTARUGA, L.A.**, RANGEL, Antonio Carlos Barbosa, KRUEL, L.F.M.. Determinação da pressão arterial em pessoas submetidas a diferentes profundidades de água. Anais do XI Salão de Iniciação Científica. Porto Alegre: Editora da UFRGS: 286, 1997.

#### f) book translation

- 1 PLATONOV, V.N. Teoria geral do treinamento desportivo olímpico. Translator: PINTO, R.S., PEYRÉ-TARTARUGA, L.A., et al. Porto Alegre: ArtMed Editora, 2004.

## 6 ACADEMIC ACTIVITY

#### a) teaching

- 1 **Associate Professor on Universidade Federal do Rio Grande do Sul**, responsible by the following courses: Athletics (teaching techniques and advanced techniques) 2007-2008, Biomechanics 2007-2008, Basis of Aquatics Activities (since 2012), Theory of Sport Training for undergraduate students (since 2007). Responsible by PhysioMechanics of Terrestrial Locomotion (since 2017), Introduction to Energetics and Mechanics of Human Locomotion (2008-2016), Theoretical and Experimental Approaches in Mechanics and Energetics of Human Locomotion for graduate students (2009-2010) and Efficiency and Economy of Human Movement (since 2011). Exercise Physiology (gait physiology and muscular physiology classes, since 2013) for graduate students.
- 2 **Visiting Professor** on Faculty of Sports Sciences at University of Toulon and Nice, France. Course: Biomechanics and bioenergetics of human locomotion, 2015.
- 3 **Visiting Professor** on Biophysics Department at Universidad de la Republica, Uruguay. Course: Efficiency and energetics of walking and running. 2009.
- 4 **Specialization Professor on discipline Gait Analysis**, Biomechanics Course on Pontifícia Universidade Católica do Rio Grande do Sul, 2017.
- 5 **Specialization Professor on discipline Biomechanics of Soccer**, Soccer Course on Universidade Federal do Rio Grande do Sul, 2009.
- 6 **Specialization Professor on discipline Topics in Biomechanics**, Kinesiology Course on Universidade Federal do Rio Grande do Sul, 2004.
- 7 **Provisional Professor on discipline Swimming**, on School of Physical Education / Universidade Federal do Rio Grande do Sul, on semesters 2002/1, 2002/2, 2003/1, 2003/2.
- 8 **Provisional Professor on discipline Swimming teaching techniques**, on School of Physical Education / Universidade Federal do Rio Grande do Sul, on semesters 2002/1, 2002/2, 2003/1, 2003/2.
- 9 **Lecturer on discipline Human Anatomy**, on School of Physical Education of Faculdade Cenecista de Osório, on semester 2003/2.
- 10 **Lecturer on discipline Kinesiology**, on School of Physical Education of Faculdade Cenecista de Osório, on semester 2003/2.

- 11 **Lecturer on discipline Theory and Methodology of Sport Training**, on School of Physical Education of Faculdade Cenecista de Osório, on semesters 2004/1, 2004/2 e 2005/1.
- 12 **Lecturer on discipline Measures and Assessment**, on School of Physical Education of Faculdade da Serra Gaúcha, 2004.
- 13 **Lecturer on discipline Kinesiology**, on School of Physical Education of Faculdade of Serra Gaúcha, 2004.
- 14 **Lecturer on discipline Programs of Fitness**, on School of Physical Education of Faculdade of Serra Gaúcha, 2004.
- 15 **Lecturer on discipline Estágio Profissional Supervisionado**, on School of Physical Education of Faculdade of Serra Gaúcha, 2004.
- 16 **Lecturer on discipline Exercise Physiology**, on School of Physical Education of Universidade Luterana do Brasil, 2004.

#### b) referee

- 1 **Referee** of Special Interest Group: Elite Performance, on XIII Brazilian Congress of Sports Sciences, Caxambu, MG, 2003.
- 2 **Referee** of abstracts sent to 14<sup>o</sup> Latin American Congress of Physical Education. **Chairman** at oral presentation session, Capão da Canoa, RS, 2004.
- 3 **Chairman and Relator** of the Thematic “Studies and debates on pedagogy at university: health sciences” on III International Symposium of Superior Education, Caxias do Sul, RS, 2004.
- 4 **Member of the Scientific Board** of Special Interest Group: Elite Performance of the Brazilian College of Sports Sciences, 2003-2005.
- 5 **Coordinator and Member of the Scientific Board** of Special Interest Group: Elite Performance of the Brazilian College of Sports Sciences during II South-Brazilian Congress of Sport Sciences, Criciúma, SC, 2004.
- 6 **Referee for “Prêmio Mérito Universitário”** – Undergraduation level at Universidade de São Paulo – USP, 2007.
- 7 **Editorial activity: Front Integr Physiol (Associate Editor), Front Exerc Physiol (Review Editor), Braz J Sport Sci, J Exp Biol, BMJ Open, Int J Sports Med, J Sports Sci, Eur J Sport Sci, Sports Med Int Open, Symmetry, Wilderness Environ Med, Sci Sports, J Aging Res, J Aging Phys Act, Int J Neurosci, Percept Mot Skills, Brain Cogn, Mov Sport Sci – Sci Motricité, Comput Biol Med, Plos One, Hum Mov Sci, Hum Mov, PeerJ, Braz J Med Biol Res, Clin Trials Degener Dis, Eur J Physiother, Int J Aquatic Res Educ, Motriz.**
- 8 Evaluator Ad Hoc of Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – CAPES, since 2012.
- 9 Referee Ad Hoc Fundação de Apoio à Pesquisa e à Inovação Tecnológica do Estado de Sergipe, since 2013.
- 10 Referee Ad Hoc of European Commission - FP7-PEOPLE-2013-IEF. 2013. European Commission.

- 11 Premium Brazil of Sport, Leisure and Social Inclusion – 2nd edition. 2010. Minister of Sport.
- 12 Referee Ad Hoc of Comisión Sectorial de Investigación Científica, Uruguay, since 2016.

### **c) supervisor thesis/Director of studies**

#### **Undergraduate Thesis**

- Alessandra Xavier Bueno. 2003.
- João Luiz C. Richa. 2003.
- Rossano Dutra Ricalde. 2003.
- Henrique Lammerhist. 2003.
- Fabíola Zambon Ferrarese. 2003.
- Jorge André Batista. 2004.
- João Batista de Matias. 2004.
- Marcos Machado de Menezes. 2004.
- Bruno Ramos. 2004.
- Carlos Antonio Batista Coutinho. 2007
- Julio Sosa. 2008.
- Pedro Oliveira. 2008.
- Leonardo Riva. 2009.
- Henrique Bianchi de Oliveira. 2012.
- Jorge Storniolo Júnior. 2011.
- Rodrigo Rosa. 2013.
- Leandro Zardo Padovani. 2015.
- Leandro Zanfroni. 2014.
- Pedro Schons. 2015.
- Edson Soares da Silva. 2017.
- Tanise D'Avila Rodrigueiro. 2017.
- Anderson Luis Da Silva Medeiros. 2017.
- Miguel Andreh Backes. 2017.
- Tamiris Santos Sfair Castro. 2017.

#### **Scientific Initiation**

- Marcus Peikriszwili Tartaruga. 2002.
- Gabriela Lovis Black. 2002.
- Anelise Bueno Ambrosini. 2002.
- Cristine Lima Alberton. 2002.
- Marcelo Brugnara Simões. 2003.
- Marcio José Dal'Agnol. 2004.
- Márcio Marcolin. 2004.
- Mateus Castro Dorigatti. 2004.
- Francisco Busolli. 2008.
- Gustavo Balbinot. 2009.
- Jorge Storniolo. 2011.
- Filipe Lucas. 2010.
- Henrique Bianchi de Oliveira. 2012.
- Rodrigo Rosa. 2011.
- Leandro Zanfroni. 2015.
- Edson da Silva. 2017.



- Tanise Rodrigueiro. 2017.
- Renan Coimbra. 2017.
- Tamiris Sfair Castro. 2017.
- Mariana Oliveira. 2018.
- Daniela Vergara. 2018.

## Specialization level

- Renan Coimbra (VELOCIDADE DE CORRIDA COM SINCRONIZAÇÃO CARDIOLOCOMOTORA ESPONTÂNEA EM CORREDORES DE LONGA DISTÂNCIA). 2017.
- Edson Soares da Silva (Gait in individuals with visual impairment – literature overview and new insights). 2017.
- Rodrigo Kessler (ESTIMATES OF SPEED FOR SPRAWLING, PILLAR-ERECT AND BUTTRESS ERECT POSTURES OF EXTINCT ARCHOSAURIFORMS). 2017.
- Renata Luiza Bona (Amputees walking in gradients: cost of transport and efficiency). 2009.
- Clarissa Pedrini Schuch (Mechanics and energetics of walking in children with cerebral palsy). 2008.
- Natalia Gomeñuka (Mechanical determinants of optimal speed during loaded walking in gradients). 2009.
- Patricia Pantoja (Mathematical model of sprint running). 2009.
- Luciano Ferroni (Quantity of Physical Activity in HIV/AIDS subjects). 2009.
- Gustavo Soares (Parkinson Disease and Physical Activity). 2009.

## Master of Science - M.Sc.

- Patricia Polero (Spring-mass model and landing take-off asymmetries: Long-distance runners vs. Sprinters). 2008-2010 (co-adviser).
- Gabriela Fischer (Effect of fatigue on spring-mass parameters and landing-take-off asymmetries). 2008-2010.
- Clarissa Pedrini Schuch (Mechanics and energetics of walking in people with encephalic vascular accident). 2009-2011.
- Natalia Gomeñuka (Mechanical determinants of optimal speed during loaded walking in gradients). 2009-2011.
- Renata Luiza Bona (Effects of speed on cost of transport and efficiency walking in transfemoral Amputees). 2010-2011.
- Alberito Rodrigo (Pendular mechanism and energetic cost of walking in subjects with chronic lowback pain). 2010-2011.
- Jorge Luiz Lopes Storniolo Junior (Effects of concurrent training on efficiency and biomechanics of human running). 2011-2012.
- Alex Fagundes (Effects of load on ventilatory threshold and VO<sub>2</sub>max in runners). 2011-2013.
- Rafael Ferrer (Intra and Inter-segmentar coordination during running with and without ankle taping). 2011-2012.
- Rodrigo Gomes da Rosa (Running efficiency and economy after cycling in elite triathletes). 2012-2014.
- Elren Passos Monteiro (Clinical-functional and gait biomechanical aspects of Nordic walking in subjects with Parkinson' disease: a randomized controlled trial). 2012-2014.
- Paula Finatto (Effects of pilates training on running economy and biomechanics). 2013-2015.
- Francisco Busolli de Queiroz (Metabolic and neuromuscular responses during walking in patients with interstitial pulmonar disease. 2015-2017.
- Marcela Alves Sanseverino (Gait EMG cost, economy and kinematics in subjects with COPD). Current
- Andressa Paim (Biomechanical study of Tamandua tetradactyla Linnaeus, 1758 locomotion for inferences on Megatherium americanum Cuvier, 1996). 2013-2015 (Co-adviser).
- Karen da Silva. Effects of aquatic therapy on functional and gait biomechanics parameters in low back pain' subjects. 2014-2016.
- Onécimo Mello. Relationship between economy and performance running against biomechanical variables in long distance runners. 2014-2016.

- Guilherme Berriel. Potentiation pós-activation in high-level volleyball players: acute and chronic effects. 2014-2016.
- Pedro Schons. Explosive force in COPD individuals. 2015-2017.
- Marcos Masiero (Responses of spring-mass model parameters during the continuous and interval running bouts at VO<sub>2</sub>max). Current.
- Ana Paula Zanardi (Analysis of walking mechanics in patients with femoropatellar pain in different speeds and gradients). Current.

### **Philosophy Doctor - Ph.D.**

- Marcus Peikriszwili Tartaruga (Relationship of running economy and efficiency with performance of elite runners using allometric models). 2011-2013 (co-adviser).
- Marcelo Coertjens (Effects of apnea and muscle strength training on gait metabolic and mechanical parameters in COPD subjects. 2014-current.
- Natália Andrea Gomeñuka (Acute and chronic effects of Nordic and normal walking on mechanical, metabolic and neuromuscular parameters in elderly). 2013-2016.
- Paula Figueiredo da Silva (EMG, kinematics and cost of transport on walking self-selected speed in subjects with peripheral arterial disease. 2013-2016 (co-adviser).
- Alberito Rodrigo de Carvalho (cardiolocomotor interrelationship: repercussions on bioenergetic and biomechanic parameters in distance runners). 2014-2017.
- Patricia Dias Pantoja (Bioenergetics and biomechanics of resistive training (sled towing) in elite sprinters). 2014-2016.
- Rodrigo Gomes da Rosa (Spring-mass Model and landing-takeoff asymmetries parameters in long-distance runners). 2014-2018.
- Guilherme Pereira Berriel (Biomechanic determinants for the performance in attack and blocking jumps in volleyball players: the inverse dynamics approach). 2017-current.
- Valeria Feijó Martins (Biomechanical responses active elderly gait for different training methods e for the fall history). 2017-current.

### **d) internal/external examiner for PhD and Master Viva**

### **Doctoral Thesis**

- Aline de Souza Pagnussat. Ufrgs, Biological Sciences: Neurosciences, 2009.
- Joelly Mahnic de Toledo (half-time Qualifying). Ufrgs, Human Movement Sciences, 2009.
- Taís Malysz Sarzenski. Ufrgs, Biological Sciences: Neurosciences, 2009.
- Alexandre Liparini (half-time Qualifying). Ufrgs. Geosciences: Paleontology, 2016.
- Christine Lima Alberton. Ufrgs, Human Movement Sciences, 2011.
- Pedro Ivo Kalil-Gaspar. Ufrgs, Biological Sciences: Physiology, 2011.
- Alexandre Liparini Campos. Ufrgs, Geosciences: Paleontology, 2011.
- Joelly Mahnic de Toledo. Ufrgs, Human Movement Sciences, 2012.
- Ricardo Brandt (half-time qualifying). Udesc. Human Movement Sciences, 2012.
- Stephanie Santana Pinto. Ufrgs, Human Movement Sciences, 2013.
- Marcus Peikriszwili Tartaruga. Ufrgs and Université de Nice Sophia Antipolis, Human Movement Sciences, 2013.
- Ricardo Peterson Silveira. (half-time Qualifying). Ufrgs, Human Movement Sciences, 2014.
- Maick da Silveira Viana. Udesc, Human Movement Sciences, 2014.
- Carolina de Ávila Rodrigues. (half-time Qualifying) Ufrgs, Human Movement Sciences, 2014.
- Thiago Sousa Matias (half-time Qualifying and final). Udesc. Human Movement Sciences, 2016.
- Morgan Guignard (half-time Qualifying). Ufrgs. Geosciences: Paleontology, 2016.
- Carolina de Ávila Rodrigues. Ufrgs, Human Movement Sciences, 2016.
- Ricardo Peterson Silveira. Ufrgs and University of Veron, Human Movement Sciences, 2016.
- Beatriz Dittrich Schmitt (half-time Qualifying). Ufrgs, Human Movement Sciences, 2017.
- Danilo Reis Coimbra. Udesc. Human Movement Sciences, 2017.
- Daiane Borba de Lima. Pucrs. Molecular and Cellular Biology, 2017.
- Ricardo de Azevedo Klumb Steffens. Udesc. Human Movement Sciences, 2017.

## Master Dissertation

- Jocelito Bijoldo Martins. Ufrgs. Human Movement Sciences. 2009.
- Viviane Zechlinski Sacharuk. Ufrgs, Biological Sciences: Neurosciences, 2009.
- Artur Bonezi dos Santos. Ufrgs. Human Movement Sciences. 2010.
- Núbia Broetto Cunha. Ufrgs, Biological Sciences: Neurosciences, 2010.
- Thiago Souza Matias. Udesc. Human Movement Sciences. 2010.
- Caroline Cabral Robinson. Ufrgs, Biological Sciences: Neurosciences, 2011.
- Gabriela Tomedi Leites. Ufrgs. Human Movement Sciences. 2011.
- Caroline Cabral Robinson. Biological Sciences: Neurosciences. 2011.
- Gabriela Tomedi Leites. Ufrgs. Human Movement Sciences. 2011.
- Leandro Medeiros da Silva. Ufrgs. Mining, Metallurgical and Material Engineering. 2011.
- Amanda Haberland Antunes. Ufrgs. Human Movement Sciences. 2011.
- Karlyse Claudino Bell. Ufrgs. Medicine: Cardiovascular Sciences. 2012.
- Cristiano Cardoso de Matos. Ufrgs. Human Movement Sciences. 2012.
- Paulo Sérgio Bazile da Silva. Ufcspa. Rehabilitation Sciences. 2013.
- Tania Brusque Crocetta. Udesc. Human Movement Sciences. 2014.
- Nathalie Ribeiro Artigas. Ufcspa. Rehabilitation Sciences. 2014.
- Alvaro Acco Koslowski. Ufrgs. Human Movement Sciences. 2014.
- Cláudia Arab. Udesc. Human Movement Sciences. 2014.
- Rodrigo Batalha Silva. Udesc. Human Movement Sciences. 2014.
- Ligia Ignêz Engelman de Oliveira. Ufrgs. Human Movement Sciences. 2014.
- Alessandra Ventura da Silva. Ufrgs. Veterinary Sciences. 2015.
- Giulia Palermo Schifino. Ufcspa. Rehabilitation Sciences. 2016.
- Tiago Canal Jacques. Ufrgs. Human Movement Sciences. 2016.
- Natália Carvalho Bagatini. Ufrgs. Human Movement Sciences. 2016.
- Guilherme Guimarães Bevilacqua. Udesc. Human Movement Sciences. 2017.
- Maria Eduarda Parcianello Cabeleira. Ufcspa. Rehabilitation Sciences. 2017.
- Diana Maria Cubillos Arcila. Ufcspa. Rehabilitation Sciences. 2017.
- Inaê Angélica Cherobin. Respiratory Sciences. 2017.

## Attracted funds:

- Apoio Recem Doutor – Fapergs 2500 reais (~ € 830), 2009.
- Apoios Ufrgs – Prorext and Propesq 3000 reais (~ € 1000), 2010-2013.
- Fund to Research Project: Biomechanics of Tamandua mirim – Pesquisador Gaúcho Fapergs 92000 reais (~ € 30666,666), 2010.
- Fund to XVII Brazilian Congress of Sports Sciences – Ministry of Sport, Brazil 400000 reais (~ € 133,333), 2011.
- Fund to XVII Brazilian Congress of Sports Sciences – Fapergs Brazil 40000 reais (~ € 13,333), 2011.
- Fund to Editoration of Brazilian Journal of Sport Sciences Fapergs Brazil 23900 reais (~ € 7966,666), 2013.
- Fund to XVIII Brazilian Congress of Sports Sciences – Ministry of Sport, Brazil 980000 reais (~ € 326,666), 2013.
- Fund to XVIII Brazilian Congress of Sports Sciences – CNPq Brazil 40000 reais (~ € 13,333), 2013.
- Fund to XVIII Brazilian Congress of Sports Sciences – Capes Brazil 40000 reais (~ € 13,333), 2013.
- Fund to Internationalization of 'post-graduation' Fapergs Brazil, collaborator 91400 reais (~ € 30466,666), 2013.
- Fund to Research Universal – CNPq Brazil 22724 (~ € 7574,666) Project: Mechanics and energetics of human locomotion, 2013.
- Fund to Short duration stage – congresso of ecss 2013 and visit to University of Toulon, France – CNPq Brazil 7600 reais (~ € 2533,333), 2013.
- Fund to Research projects in human locomotion applied to respiratory diseases, Hospital de Clínicas Foundation 15000 reais (~ € 5000,000), 2013-2014.

- Fund to Research Universal – CNPq Brazil 11727,00 (~ € 3169,45) Project: THE 3D TRAJECTORY OF HUMAN BODY CENTER OF MASS AND MUSCULAR-TENDON PROPERTIES AS PREDICTORS OF EFFECTIVENESS ON LONG-DISTANCE RUNNING, 2016.
- Fund to LOCOMOTION 2017: First Symposium on Physiomechanics of Terrestrial Locomotion - CNPq Brazil 30000,00 (~ € 8108,11)
- Fund to Research Program for Brazilian Health System – PPSUS-FAPERGS 92950.85 (~ € 22670,00), 2017.
- Fund to Gaucho Researcher – FAPERGS 25800 (~ € 6292,00), 2017.

**Administrative activity:**

- National Coordinator of Special interest group (elite performance) of Brazilian College of Sport Sciences (2005-2009)
- President of Brazilian College of Sport Sciences (2009-2013)
- Vice-Director of Exercise Research Laboratory (2011-2016)
- Member of the Faculty Research Committee, Ufrgs (2012-2015)
- Member of the Faculty Graduation Committee, Ufrgs (2012-2015)
- Director of Exercise Research Laboratory, Ufrgs (2016-current)