Curriculum vitae

Personal information

Name: Hamidollah Hassanlouei
Date of birth: 23/July/1977
Nationality: Iran
Address: Faculty of sport science, Shahid Behehti University, Tehran, Iran
Tell: +989391885907
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Education:

2017- 2018, Visiting Research associate, Centre for Sensory Motor Interaction, Aalborg University, Denmark

2014-2016 Post-Doctoral Research Associate, Neuromuscular Physiology Lab, Marquette University, USA
Projects title:

- Motor Function and motor cortex excitability in Older Adults, NIH funding
- Muscle fiber conduction velocity following pain

2012-2014 Teaching assistant professor, Centre for Sensory Motor Interaction, Aalborg University, Denmark

2009-2013 PhD. Student, Centre for Sensory Motor Interaction, Aalborg University, Denmark

PhD Thesis: Effect of endurance training on central/peripheral fatigue and postural control following high intensity dynamic exercise.

2004-2007 MSc. Exercise physiology, Shahid Beheshti University, Tehran, Iran

Master's Thesis: Responses of haematological variables to 8 weeks of resistance training.

1999-2003 BA. Physical Education & Sport Science, Tehran University, Tehran, Iran

Employment:

2018- Present, Faculty of sport science and health, Shahid Behehti University, Tehran, Iran

2017- 2018 Visiting Research associate, Centre for Sensory Motor Interaction, Aalborg University, Denmark

2014-2016 Post-doctoral Research Associate, Neuromuscular Physiology Lab, Marquette University, USA

2012-2014 Teaching assistant professor, Centre for Sensory Motor Interaction, Aalborg University, Denmark

2009 -2013 PhD student, Center for Sensory-Motor Interaction, Dept. of Health Science and Technology, Aalborg University, Denmark Project: Endurance training and injury prevention

Awarded prizes and grants

Co-investigator in (NIH) National Institutes of Health grant for Postdoc position, USA,

2014-2016

Travel grant from Obelsk familiefonden (Denmark) (2012 and 2013)

Silver Medal in Individual Canoeing, Iranian students' champion, 2000

Teaching experience:

2018-present, Teacher of Motor control, Motor learing, neurophysiology of performance

Aug 2012- 2014, Teacher of Exercise Physiology and biomechanics, Aalborg University, Denmark

2004- 2009 Teacher of human physiology, exercise physiology and human anatomy for undergraduate / University students, Iran

Editorial Duties and Reviewer

Editorial board member, journal of Open Medicine in the field of neuroscience since 2014

Reviewer for journal of Medicine & Science in Sports & Exercise since 2014

Reviewer for journal of electromyography and kinesiology since 2015

Skills:

1. EMG (Electromyography)
2. ES (Electrical stimulation)
3. EEG (Electroencephalography)
4. TMS (Transracial magnetic stimulation)

5. Performance evaluation techniques (Vo2Max, KinCom dynamometer, ...)
6. Balance evaluation (Force platform)
7. Motion capture

Publication

Journal publications:

1) Z. Bahmanbeglooa, Francescco Budinib, **H. Hassanlouei**, Alireza Farsia , Markus Tilpb. Central and peripheral fatigue have a different effect on maintaining the stability of voluntary postural control, (*Gait & posture 92 (2022) 407-412)*

2) N. Naderirad, B. Abdoli, A. Farsi, **H.Hassanlouei***. The Effect of Instructional and Motivational Self-talk on Accuracy and Electromyography of Active and Passive Muscles in Elbow Joint Position Sense Test. *(Under review-International Journal of Sport and Exercise Psychology (2022)*

3) Klich, S.; Kawczyński, A.; Pietraszewski, B.; Zago, M.; Chen, A.; Smoter, M.; **Hassanlouei, H**.; Lovecchio, N. Electromyographic Evaluation of the Shoulder Muscle after a Fatiguing Isokinetic Protocol in Recreational Overhead Athletes. *Int. J. Environ. Res. Public Health* 2021, *18*, 2516.

4) H.Nobari, E.Azimzadeh, **H. Hassanlouei.** G. Badicu, J. Pérez-Gómez and L, Paolo Ardigo. The effect of physical guidance on learning a tracking task in children with cerebral palsy. July 2021, International *Journal of envitonmental research and public health. 18(13):7136*

5) Raeisian R, **H. Hassanlouei**.The effect of landmarks with their color on learning basketball lay-up in beginners. Ausust 2021, *Journal of motor Learning and Development 9(2):1-10*

6) S. Yazdani, E. Dizji, F. Alizadeh and **H. Hassanlouei**. Effect of chronic idiopathic low back pain on the kinetic gait characteristics in different foot masks. Journal of Biomechanics, Volume 79, 5 October 2018, Pages 243-247

7) Chris W.Sundberg, A.Kuplic, **H. Hassanlouei** and S K. Hunter. Mechanism for the age-related increase in fatigability of the knee extensors in old and very old adults March 2018, J Applied Physiology

8) **Hassanlouei**, F. Negro, D. Farina and Sandra K. Hunter. Motor unit conduction velocity and discharge rate in the Biceps Brachii following eccentric exercise induced muscle damage. (In preparation)

9) R. Vianney, Jonathon W. Senefeld, **H. Hassanlouei**, Sandra K. Hunter. Voluntary activation and variability during maximal dynamic contractions with aging. Eur J Appl Physiol, DOI 10.1007/s00421-017-3737-3

10) **Hassanlouei**, Christopher W. Sundberg, Ashleigh E. Smith Andrew Kuplic and Sandra K. Hunter. Physical activity modulates corticospinal excitability of the lower extremity in young and old adults. J Appl Physiol (May 11, 2017). doi:10.1152/japplphysiol.01078.2016

11) **H. Hassanlouei**; Falla, D.; Arendt-Nielsen, Lars; Kersting, Uwe G. The effect of six weeks endurance training on postural control during full body perturbations. J Electromyogr Kinesiol, 15 July 2014

12) **H. Hassanlouei**, L. Arendt-Nielsen, Uwe G. Kersting, D. Falla. Effects of exercise-induced fatigue on postural control of the knee, J Electromyogr Kinesiol. Vol. 22, No. 3, 2012, p. 342-347

13) Vila-Chã C, **Hassanlouei H**, Farina D, Falla D. Eccentric exercise induced adjustments in agonist-antagonist activity are dependent on the motor task. Exp Brain Res, 2012

14) N. Hedayatpour, **H. Hassanlouei**, L. Arendt-Nielsen, Uwe G. Kersting, D. Falla. Delayed-Onset Muscle Soreness Alters the Response to Postural Perturbations, Journal of Medicine and Science in Sport and Exercise, 2011 - Volume 43 - Issue 6 - pp 1010-1016.

Conference presentations:

1) **Hassanlouei H,** Muscle fatigue components and measureents techniques, Key note speaker, 19th international sport science congress, 11-14 november 2021, Antalya,Turkey.

2) **Hassanlouei H,** Peripehral and central contributions to muscle fatigue during dynamic exercise with age. Invited talk, September 2019, Institute for sport science and health, University of Graz, Austria.

3) Ashleigh E. Smith, **Hamidollah Hassanlouei**, Christopher W. Sundberg, Andrew Kuplic and Sandra K. Hunter. Physical activity modifies corticospinal excitability of the lower extremity in young and old adults. Society of Neuroscience-SFN 2016, November 12-16. San Diego, CA, USA

4) Rozand V, Senefeld JW, **Hassanlouei H**, Hunter SK. Is there an age difference in voluntary activation during maximal dynamic contractions**? XXI** International Society of Electrophysiology & Kinesiology, ISEK 2016, 5-8 July. Chicago, USA

5) Christopher W. Sundberg, **H. Hassanlouei**, Andrew Kuplic, Sandra K. Hunter. Increased fatigability of older women performing high-velocity contractions is

explained by mechanisms within the muscle. American College of Sports Medicine National Annual Meeting, May 31 – June 4, 2016, Boston, MA, USA

6) **H. Hassanlouei**; Chris W.Sundberg, A.Kuplic and S K. Hunter. Is There a Sex Difference with Aging in stimulus-response characteristics of the lower limb? American College of Sports Medicine National Annual Meeting, May 31 – June 4, 2016, Boston, MA, USA

7) **H. Hassanlouei**; Chris W.Sundberg, J.Senefeld, A.Kuplic and S K. Hunter. Motor Cortical Input–Output Characteristics of the Lower Extremity in Young and Old Adults. Annual Meeting of the Society for Neuroscience, Neuroscience 2015, 16-21 October 2015, Chicago, IL, USA.

8) **H. Hassanlouei**; Falla, D.; Arendt-Nielsen, Lars; Kersting, Uwe G. Effect of high intensity fatiguing exercise and lactic acid accumulation on dynamic postural control. XXIV Congress of the International Society of Biomechanics. August 4-9, 2013, Natal-Rio Grande do Norte-Brazil.

9) **H. Hassanlouei**; Falla, D.; Arendt-Nielsen, Lars; Kersting, Uwe G. The effect of six weeks endurance training on postural control during full body perturbations. In: Annual Meeting of the Society for Neuroscience, Neuroscience 2012, 13-17 October 2012, New Orleans, LA, USA.

10) **H. Hassanlouei**, L. Arendt-Nielsen, Uwe G. Kersting, D. Falla. Six weeks endurance training increases pain thresholds locally but not distant to the muscle trained. In: Proceedings of the 14th World Congress on Pain, IASP, PW 479, August 27-31, 2012; Milan, Italy.

11) **H. Hassanlouei**, L. Arendt-Nielsen, Uwe G. Kersting, D. Falla. Effects of training on central and peripheral fatigue induced by high intensity exercise. In: Proceedings of the XIXth Congress of the International Society of Electrophysiology & Kinesiology, ISEK 2012, 19-21 July 2012, Brisbane, Australia.

12) **H. Hassanlouei**, L. Arendt-Nielsen, Uwe G. Kersting, D. Falla. Effects of exercise-induced fatigue on postural control of the knee. In: Proceedings of the XIXth Congress of the International Society of Electrophysiology & Kinesiology, ISEK 2012, 19-21 July 2012, Brisbane, Australia. ISEK.

13) **H. Hassanlouei**, L. Arendt-Nielsen, Uwe G. Kersting, D. Falla. Effects of high intensity exercise induced fatigue on postural control of the knee. Jun 2011; ECSS Congress, Liverpool, UK.

14) **H. Hassanlouei**, Arendt-Nielsen L. Kersting,U , N. Hedayatpour, Electromyoghraphic activaties of the vastus medialis oblique and vastus lateralis oblique during sustained contraction after eccentric exercise, Jun 2010, ECSS congress, Antalya, Turkey.

15) M. Pariad, **H.Hassanlouei**. M.Varjoei. Correlation between salivary and serum cortisol concentration after one session sever endurance and resistance activity in women. Jun 2009, ECSS, Oslo, Norway.

16) **H. Hassanlouei**. Effects of a period of resistance training on some blood coagulation indices. Mar. 2008; International Congress, Kish Island. Iran

17) **H. Hassanlouei**. Effects of resistance training on haematological variables. 14th multi-disciplinary Iranian researcher's conference in Europe, 2006, Bradford, UK.

18) **H.Hassanlouei**. Effects of resistance training on platelet in collegiate untrained men. Annual conference of British association of sport and exercise sciences (BASES), 7th September 2004; Liverpool, UK

19) **H. Hassanloui.** Responses of Red Blood Cell Indices to 8 Weeks of Resistance Training. Annual conference of British association of sport and exercise sciences (BASES), 7th September 2004; Liverpool, UK