



Hikmat Hadoush

May 5th, 1982

Amman – Jordan

☎ +962-787174311 hmhadoush@just.edu.jo

WORK EXPERIENCE

- Jordan University of Science & Technology – Jordan
2013 – to Present ⇨ **Associate Professor** – Department of Rehabilitation Sciences
- Hiroshima University – Japan
2009 – 2013 ⇨ Research & Teaching Assistant – Department of Rehabilitation Sciences
- Jordan University of Science & Technology – Jordan
2006 – 2006 ⇨ Research & Teaching Assistant – Department of Rehabilitation Sciences
- Philadelphia Hospital – Jordan
2004 – 2005 ⇨ Physical Therapist – Department of Rehabilitation Sciences

EDUCATION

- **Hiroshima University – Japan**
2010 – 2013 ⇨ PhD degree in “Neuro-Rehabilitation” - A grade
- **Lund University – Sweden**
2011 ⇨ Research Exchange & Fellowship Program
- **Hiroshima University – Japan**
2008 – 2010 ⇨ MSc degree in "Locomotor & Neurological Rehabilitation" - A grade
- **Hiroshima University – Japan**
2007 – 2008 ⇨ Certified Research student
- **National Recognition on Information Center – United Kingdom**
2005 ⇨ BSc. degree in Physical Therapy
- **Jordan University of Science & Technology – Jordan**
2000 – 2004 ⇨ BSc. degree in Physical Therapy. Excellent grade - Rank:1st

Grants & Projects

Years	Role	Project Title, Sponsor, and Budget
2016 – 2019	Co – Author Managerial & Executive member	Erasmus+ project grant for establishing a master degree in clinical Rehabilitation Sciences at Rehabilitation Department of Faculty of Applied Medical Sciences in Jordan University of Science & Technology budgets ~1,000,000 Euro
2016 – 2018	Senior Technical advisor	USIAD grant for improving the Physical therapy sectors in the conflict affected countries Including Jordan, Lebanon, West Bank, and Gaza. <u>Jordan University of Science & Technology</u> , Antonia University, and Al-Qudus University were included budgets ~800,000 USD
2015 – 2018	Principle Investigator Grant holder	Therapeutic effect of cortical stimulation in child with Autism, Scientific Research Supporting Fund At Deanship of Research – Jordan University of Science & Technology ~ 180,000 USD.

6. Nakanishi K, Inoue K, **Hadoush H**, Sunagawa T, Ochi M. Dipole orientation of receptive fields in the somatosensory cortex after stimulation of the posterior tibial nerve in humans. *Journal of Clinical Neurophysiology*. 2014 Jun 1;31(3):236-40.
7. Abdulhay E, Alafeef M, **Hadoush H**, Alomari N. Frequency 3D mapping and inter-channel stability of EEG intrinsic function pulsation: Indicators towards autism spectrum diagnosis. In *Electrical and Electronics Engineering Conference (JIEEEEC), 2017 10th Jordanian International 2017 May 16* (pp. 1-6). IEEE.
8. **Hadoush H**, Sunagawa T, Nakanishi K, Ochi M. Asymmetry of somatosensory cortical plasticity in patient with bilateral carpal tunnel syndrome. *International Journal of Physiotherapy*. 2017 Jan 1;4(1):1-5.
9. Ujigo S, Kamei N, **Hadoush H**, Fujioka Y, Miyaki S, Nakasa T, Tanaka N, Nakanishi K, Eguchi A, Sunagawa T, Ochi M. Administration of microRNA-210 promotes spinal cord regeneration in mice. *Spine*. 2014 Jun 15;39(14):1099-107.
10. Inoue K, Nakanishi K, **Hadoush H**, Kurumadani H, Hashizume A, Sunagawa T, Ochi M. Somatosensory mechanical response and digit somatotopy within cortical areas of the postcentral gyrus in humans: an MEG study. *Human brain mapping*. 2013 Jul;34(7):1559-67.
11. **Hadoush H**, Mano H, Sunagawa T, Nakanishi K, Ochi M. Optimization of mirror therapy to excite ipsilateral primary motor cortex. *NeuroRehabilitation*. 2013 Jan 1;32(3):617-24.
12. Yoshida A, Fukushima T, Sunagawa T, **Hadoush H**, Yoshioka A, Tsuji Y, Endo K. Development of a clinical model for upper extremity motion analysis—comparison with manual measurement. *Journal of Physical Therapy Science*. 2012;24(11):1149-52.
13. **Hadoush H**, Sunagawa T, Nakanishi K, Ochi M. Somatosensory cortical plasticity after toe-to-index transfer. *NeuroReport*. 2012 Dec 5;23(17):1000-5.
14. **Hadoush H**, Sunagawa T, Nakanishi K, Endo K, Ochi M. Motor somatotopy of extensor indicis proprius and extensor pollicis longus. *Neuroreport*. 2011 Aug 3;22(11):559-64.
15. **Hadoush H**, Sunagawa T, Nakanishi K, Ochi M. 7. Sensory neural plasticity after toe-to-thumb transfer. *Clinical Neurophysiology*. 2012 Sep 1;123(9):e88-9.
16. **Hadoush H**, Tobimatsu Y, Nagatomi A, Kimura H, Ito Y, Maejima H. Monopolar surface electromyography: a better tool to assess motoneuron excitability upon passive muscle stretching. *The Journal of Physiological Sciences*. 2009 May 1;59(3):243-7.
17. **Hadoush H**, Inoue K, Nakanishi K, Kurumadani H, Sunagawa T, Ochi M. 84. Human cerebral somatosensory cortex response to mechanical stimulation using a new non-magnetic device. *Clinical Neurophysiology*. 2009 May 1;120(5):e166.
18. Inoue K, Nakanishi K, **Hadoush H**, Kurumadani H, Hashizume A, Sunagawa T, Ochi M. 72. The response in the human cerebral somatosensory cortex to the mechanical stimulation. *Clinical Neurophysiology*. 2009 May 1;120(5):e163.

Under Review

1. **Autism Research** (minor revision)
Hadoush H et al. Therapeutic Effects of Bilateral Anodal Transcranial Direct Current Stimulation on Mirror Neurons in Children with Autism Spectrum Disorders: A pilot study

Conferences

1. 1st International Early Intervention Congress – Turkey 2018, Speaker
2. 3rd congress of European Academy of Neurology – Netherland 2017, E-poster
3. Rehabilitation Updates in Parkinson’s Disease – Jordan 2016, Speaker
4. International congress in early intervention – Jordan 2016, Speaker
5. 2nd Madinah International Conference for Medical Rehabilitation – Saudi Arabia 2015, Speaker
6. 1st Jordanian University Conferences for Rehabilitation Sciences – Jordan 2015, Speaker
7. 3rd International Physical Medicine& Rehabilitation Conference – USA 2015, Speaker
8. 41th Annual meeting of Japan Clinical Neurophysiology Association – Japan 2011, Speaker

9. 26th annual meeting of Japan Orthopedic Association – Japan 2011, Poster
10. 54th annual meeting of Japanese Society for Surgery of Hand – Japan 2011, Poster
11. 29th International Congress of Clinical Neurophysiology – Japan 2010, Poster
12. 39th Annual meeting of Japan Clinical Neurophysiology Association – Japan 2009, Speaker
13. 38th Annual meeting of Society for Neuroscience – USA 2008, Poster
14. 38th Annual meeting of Japan Clinical Neurophysiology Association – Japan 2008, Poster

Language

العربية (Arabic) → Native. **English** → Excellent. 日本語 (Japanese) → Good