

Dr. Zahra Nemati

Assistant Professor of Orthosis and Prostheses

nematizh@mums.ac.ir

zhrnem@gmail.com



[Updated 25. June. 2023](#)

- **Address:** Department of Physical Therapy, School of Paramedical and Rehabilitation, Mashhad University of Medical Sciences. Azadi Square, Mashhad, Iran
- **Tel:** +989155806057

Educational Background

- PhD degree in Orthosis and Prostheses, Iran University of Medical Sciences, Rehabilitation schools, Tehran, Iran, 2021.
- M.Sc Degree in Orthosis and Prostheses, Iran University of Medical Sciences, Rehabilitation school, Tehran, Iran, 2013.
- B.Sc in Orthosis and Prostheses, Iran University of Medical Sciences, Rehabilitation schools, Tehran, Iran, 2007.

Research Interests

- Biomechanics
- Lower limb Orthoses
- Sport related injuries
- Foot Orthosis

Publications

1. Feb 2016 “The effect of new dynamic splint in pinch strength in De Quervain syndrome: a comparative study” Disability and Rehabilitation: Assistive Technology, doi: 10.3109/17483107.2016.1139635
2. Apr 2017 “Effects of unstable footwear on gait characteristic: A systematic review” The Foot, DOI: [10.1016/j.foot.2017.04.005](https://doi.org/10.1016/j.foot.2017.04.005)
3. Sep 2021 “Does the extension torque control differ between injured and uninjured knees of ACL-deficient individuals?” Medical Journal of the Islamic Republic of Iran, DOI: [10.47176/mjiri.36.1](https://doi.org/10.47176/mjiri.36.1)

Presentations

1. Dec 2011, “The effect of electromagnetic features of C-leg in above knee amputees” Poster at The Iranian Conference of Mobile Robots, Tehran
2. Dec 2011, “Application of Reo Robotic Orthosis in neurological rehabilitation” Poster at The Iranian Conference of Mobile Robots, Tehran
3. Nov 2013, “Effect of modified dynamic and conventional static splints on pain and functional ability of hand in women with De Quervain syndrome” Presentation at 17th Annual Congress of Iranian Society of Physical Medicine, Rehabilitation & Electrodiagnosis, Tehran
4. Feb 2016, “Effects of unstable footwear on gait characteristic: A systematic review” Presentation at National Congress of Clinical Sciences, Ahwaz
5. Oct 2017, “Introducing Exoskeleton Robot for Correcting Cartier Gates in Cerebral Palsy” Poster at the second Ibn Sina neurological rehabilitation conference, Hamedan
6. Oct 2017, “Introduction of the KAFO Orthotics Robot to Improve Gate Correction in Patients with Stroke” Presentation at The second Ibn Sina neurological rehabilitation conference, Hamedan

Administrative Responsibilities

1. Assistant Professor, Physical Therapy Department, Mashhad University of Medical Sciences, School of Paramedical and Rehabilitation sciences. Mashhad, Iran.

2. Responsible for the talent students committee, Mashhad University of Medical Sciences,
School of Paramedical and Rehabilitation sciences. Mashhad, Iran