



# Marzieh Pashmdarfard

## PhD in Occupational Therapy

H-Index: 6

Date of Completion: September 2023

### Academic Affiliation

School of Rehabilitation, shahid beheshti  
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Department of Occupational  
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### About Me

I am Marzieh Pashmdarfard, I have a PhD in occupational therapy from Iran University of Medical Sciences. I am a hardworking person with extensive experience in group activities. My favorite research areas include clinical education, children's participation in different areas of life, occupational therapy in children with different physical disabilities, aging, scale development, and interdisciplinary and multidisciplinary research.

### Find me online



[https://scholar.google.com/citations?user=Ie9\\_r8QAAAAJ&hl=en](https://scholar.google.com/citations?user=Ie9_r8QAAAAJ&hl=en)



<https://www.scopus.com/authid/detail.uri?authorId=57192110760>



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## Academic Educations

PhD in Occupational Therapy, Faculty of Rehabilitation Sciences, Iran University of Medical Sciences, Tehran, Iran (2017-2020).

### Thesis Title

- PhD thesis: Improving the quality of clinical education of occupational therapy students of Iran University of Medical Sciences: a participatory action research study (2020)

Supervisor: Ms. Dr. Narges Shafaroodi - Ms. Dr. Afsoon Hassani Mehraban


### Publications

#### - Published Articles

1. **Pashmdarfard M**, Amini M, Hassani Mehraban A. Participation of Iranian Cerebral Palsy Children in Life Areas: A Systematic Review Article. Iran J Child Neurol. 2017 Winter;11(1):1-12. PMID: 28277550; PMCID: PMC5329754
2. **Pashmdarfard M**, Azad A. Assessment tools to evaluate Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL) in older adults: A systematic review. Med J Islam Repub Iran. 2020 Apr 13;34:33. doi: 10.34171/mjiri.34.33. PMID: 32617272; PMCID: PMC7320974.
3. **Pashmdarfard M**, Amini M, Badv RS, Ghaffarzade Namazi N, Rassafiani M. Does Parent Report Gross Motor Function Level of Cerebral Palsy Children Impact on the Quality of Life in these Children? Iran J Child Neurol. 2017 Fall; 11(4):52-57. PMID: 29201124; PMCID: PMC5703629.
4. Amini M, Shamili A, Frough B, **Pashmdarfard M**, Fallahzadeh Abarghouei A. Combined effect of botulinum toxin and splinting on motor components and function of people suffering a stroke. Med J Islam Repub Iran. 2016 May 21; 30:373. PMID: 27493917; PMCID: PMC4972075.
5. Amini M, Saneii SH, **Pashmdarfard M**. Factors affecting social participation of Iranian children with cerebral palsy. Occup Ther Health Care. 2018 Jul; 32(3):290-305. doi: 10.1080/07380577.2018.1497820. Epub 2018 Sep 5. PMID: 30183435.
6. **Pashmdarfard M**, Shervin Badv R. The Impact of Manual Ability Level on Participation of Children with Cerebral Palsy in Life Areas: A Cross-Sectional Study. Iran J Child Neurol. 2019 Summer;13(3):83-91. PMID: 31327972; PMCID: PMC6586446.
7. **Pashmdarfard M**, Amini M. Research Paper: The Relationship Between the Parent Report of Gross Motor Function of Children With Cerebral Palsy and Their Participation in Activities of Daily Livings. jmr. 2017;11(2):93-102.
8. **Pashmdarfard M**, Amini M, Amini M. Review Paper: Rehabilitation of Blind People and People With Low Vision in Iran. Iranian Rehabilitation Journal. 2016; 14 (2) :77-84  
URL: <http://irj.uswr.ac.ir/article-1-669-en.html>
9. **Pashmdarfard M**, Shafarood N. Factors affecting the clinical education of rehabilitation students in Iran: A systematic review. Med J Islam Repub Iran. 2018 Nov 18;32:114. doi: 10.14196/mjiri.32.114. PMID: 30815409; PMCID: PMC6387815.
10. Amini M, Moosavi S, Shamili A, Kazemi R, Qorbani M, **Pashmdarfard M**. Impact of Extension Splint on Upper Extremity Motor Components and Function in Chronic Stroke Patients. Iranian Rehabilitation Journal. 2014; 12 (1) :18-21 URL: <http://irj.uswr.ac.ir/article-1-378-en.html>
11. Amini M, Hassani Mehraban A, **Pashmdarfard M**, Cheraghifard M. Reliability and validity of the Children Participation Assessment Scale in Activities Outside of School-Parent version for children

- with physical disabilities. *Aust Occup Ther J.* 2019 Aug;66(4):482-489. doi: 10.1111/1440-1630.12569. Epub 2019 Jan 30. PMID: 30697766.
12. **Pashmdarfard M**, Amini M. Comparing Participation of Iranian Children With Cerebral Palsy in Life Activities With Participation of Typically Developing Children. *jmr.* 2019;12(2):97-104.
  13. Amini, M., **Pashmdarfard, M.** (2017). Effect of Painting Therapy on Reducing the Aggression of a Child with Myelomeningocele: A Case Study. *The Scientific Journal of Rehabilitation Medicine*, 6(4), 278-283. doi: 10.22037/jrm.2018.110685.1454
  14. **Pashmdarfard M**, Azad A, Amini M, Golabi G. The Effect of Splinting After Dupuytren's Contracture Operation: A Systematic Review. *Iranian Rehabilitation Journal.* 2019; 17 (4) :297-304 . URL: <http://irj.uswr.ac.ir/article-1-1004-en.html>
  15. **Pashmdarfard M.** Different clinical education terms in occupational therapy: Narrative review. *Func Disabil J.* 2019; 2 (1) :143-147. URL: <http://fdj.iuums.ac.ir/article-1-122-en.html>.
  16. Amini M, **Pashmdarfard M.** The Effect of Poetry and Rhythmic Movements Therapy on Reducing Childhood Anxiety of a Child with Myelomeningocele: A Case Report. *Func Disabil J.* 2019; 2 (1) :64-70. URL: <http://fdj.iuums.ac.ir/article-1-91-en.html>.
  17. **Pashmdarfard, M.**, Amini, M. (2017). Effect of Different Types of Splinting on Spasticity and Function of Upper Exterimity of Cva and CP Patients: A Systematic Review. *The Scientific Journal of Rehabilitation Medicine*, 6(1), 254-263. doi: 10.22037/jrm.2017.1100439
  18. AMINI, M., Shamili, A., **PSHMDARFARD, M.**, 2015. LONG TERM EFFECTS OF VOLAR-DORSAL WRIST/ HAND IMMOBILIZATION SPLINT ON MOTOR COMPONENTS AND FUNCTION OF STROKE PATIENTS. *IRANIAN REHABILITATION JOURNAL*, [online] 13(3), pp.89-93. Available: <https://www.sid.ir/en/journal/ViewPaper.aspx?id=523147>.
  19. **Pashmdarfard M**, Richards LG, Amini M. Factors Affecting Participation of Children with Cerebral Palsy in Meaningful Activities: Systematic Review. *Occup Ther Health Care.* 2021 Oct;35(4):442-479. doi: 10.1080/07380577.2021.1938339. Epub 2021 Jun 30. PMID: 34191669.
  20. **Pashmdarfard, M.**, Shafaroodi, N., Mehraban, A., Soltani Arabshahi, K., & Parvizy, S. (2021). Barriers to Occupational Therapy Fieldwork Education in Iran: The Perspectives of Fieldwork Educators and Students. *Iranian Journal Of Nursing And Midwifery Research*, 26(3), 204-209. Retrieved from <http://ijnmr.mui.ac.ir/index.php/ijnmr/article/view/1796>
  21. **Pashmdarfard M**, Soltani Arabshahi K, Shafaroodi N, Hassani Mehraban A, Parvizi S, Haracz K. Which models can be used as a clinical education model in occupational therapy? Introduction of the models: A scoping review study. *Med J Islam Repub Iran.* 2020; 34 (1) :532-540 URL: <http://mjiri.iuums.ac.ir/article-1-5990-en.html> .
  22. **Pashmdarfard M**, Amini M, Sanei SH, Latifi Shirdareh M, Hedayati Marzbali K, Ghafardzadeh Namazi N, Ostadzadeh A. Prevalence of Flat Foot in Primary School Students Aged 7-12 Years, in Zanjan City, Iran. *jmr.* 2020;13(4):207-214.
  23. **Pashmdarfard M.** Occupational Therapy in Cockayne Syndrome: A Case Report. *jmr.* 2017;11(3):189-193.
  24. **Pashmdarfard M**, Amini M, Badv RS, Ghaffarzade Namazi N, Rassafiani M. Does Parent Report Gross Motor Function Level of Cerebral Palsy Children Impact on the Quality of Life in these Children? *Iran J Child Neurol.* 2017 Fall;11(4):52-57. PMID: 29201124; PMCID: PMC5703629.

25. **Pashmdarfard, M.**, Aminii, M., Shafaroodi, N. (2017). Applying Ecology of Human Performance Model in Spinal Muscular Atrophy Disease: A Case Report. *The Scientific Journal of Rehabilitation Medicine*, 6(2), 298-305. doi: 10.22037/jrm.2017.1100327.
26. Nahardani S Z, Memaryan N, Keshavarzi M H, Hadi F, Koenig H G, **Pashmdarfard, M.** Development of a Spiritual Health Curriculum: An Applied Study in Iran. *Shiraz E-Med J.* 2023;24(4):e130784. <https://doi.org/10.5812/semj-130784>.
27. Mousa Garmabi K, Rezaee M, **Pashmdarfard M.** Factors Associated with Participation of Community-Dwelling Older Adults in Activities Related to Leisure and Social Participation: A Systematic Review. *Middle East J Rehabil Health Stud.* 2023;10(2):e131146. <https://doi.org/10.5812/mejrh-131146>.
28. Mirzakhani N, Haddadiniya A, Aghdaei M, Shamsipour Dehkordi P, **Pashmdarfard M.** Predicting the Shooting Accuracy of Soldiers Based on Physical Fitness Factors and Brain-Behavioral Personality Traits. *Iran J War Public Health* 2023; 15 (2) :159-165
29. URL: <http://ijwph.ir/article-1-1214-en.html>
30. Dehghani, S., Mirzakhany, N., Dehghani, S., & **Pashmdarfard, M.** (2023). The Use of Tele-Occupational Therapy for Children and Adolescents with Different Disabilities: Systematic Review of RCT Articles. *Medical journal of the Islamic Republic of Iran*, 37, 17. <https://doi.org/10.47176/mjiri.37.17>
31. Mirzakhani, N., Mozaffari, M., Saei, S., **Pashmdarfard, M.**, & Azad, A. (2022). Predicting students' academic enthusiasm based on communication skills, social skills, perceived parenting style and sensory processing. *The Scientific Journal of Rehabilitation Medicine*, (), -. doi: 10.22037/sjrm.2022.117042.3098
32. Mirzakhani, N., Asadzandi, S., Ahmadi, M. S., Saei, S., & **Pashmdarfard, M.** (2022). The effect of Son-Rise and Floor-Time programs on social interaction skills and stereotyped behaviors of children with Autism Spectrum Disorders: a clinical trial. *Cadernos Brasileiros de Terapia Ocupacional*, 30.
33. Panahi, F., Shafaroodi, N., Amini, M., Fluit, L. C., & **Pashmdarfard, M.** (2022). Validity and Reliability of Persian Version of Evaluation and Feedback for Effective Clinical Education Questionnaire in Occupational Therapy Education in Iran. *Future of Medical Education Journal*, 12(3).
34. **Pashmdarfard M**, Mirzakhani Araghi N. Participation Assessment Scales for 4 to 18-Year-Old Individuals With Cerebral Palsy: A Systematic Review. *Iranian Rehabilitation Journal* 2022; 20 (2) :127-138. URL: <http://irj.uswr.ac.ir/article-1-1371-en.html>
35. **Pashmdarfard M**, Nahardani SZ. Attending the Classroom Again: Mobile Phones On or Off? *Function and Disability Journal.* 2022; 5:E61. <http://dx.doi.org/10.32598/fdj.5.61>
36. Nahardani, S. Z., Soltani Arabshahi, K., & **Pashmdarfard, M.** (2022). Developing The Spiritual Health Curriculum Approach Based on Tyler's Model in Iran. *Medical journal of the Islamic Republic of Iran*, 36, 133. <https://doi.org/10.47176/mjiri.36.133>
37. **Pashmdarfard, M.**, Hassani Mehraban, A., Shafaroodi, N., Soltani Arabshahi, K., Parvizy, S., Azad, A., & Karamali Esmaceli, S. (2022). Validation of Objective Structured Clinical Examination (OSCE) based on the Occupational Therapy Practice Framework (OTPF): A pilot study. *Journal of Occupational Therapy Education*, 6 (2). <https://doi.org/10.26681/jote.2022.060212>

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38. Keshavarzi MH, Nahardani SZ, Jalali M, **Pashmdarfard M**. Educational Factors in Evidence-based Rehabilitation: A Qualitative Study in Iran. *Function and Disability Journal*. 2022; 5:E58. <http://dx.doi.org/10.32598/fdj.5.58>
  39. **Pashmdarfard, M.**, Hassani Mehraban, A., Shafaroodi, N., Soltani Arabshahi, K., & Parvizy, S. (2022). Strategies to Promote the Quality of Occupational Therapy Fieldwork Education: A Qualitative Study. *Medical journal of the Islamic Republic of Iran*, 36, 27. <https://doi.org/10.47176/mjiri.36.27>

### - Published Books

Rehabilitation Interventions in Children with Cerebral Palsy, First Edition Year: 2019, Author of Chapters 5 (Reflexes: Evaluation and Control) and 6 (Musculoskeletal Disorders), ISBN: 3-21-978-622-7193, Satish Hasti Publications.

Rehabilitation ergonomics, basics and basic concepts, first edition year: 2013, ISBN: 978-6442-600-2-24, Publications: University of Welfare and Rehabilitation Sciences.

### Researches & Grants

**1. title:** Relationship between quality of life and gross motor function of children with cerebral palsy aged 4-12 years old in Zanzan city (**completed**)

Project Type: Academic (Zanzan University of Medical Sciences)

Date: 05/03/95

Design code: A-11-1097-1

Type of cooperation: main performer

**2. Title:** Examining the psychometric characteristics of the parental version of the children's participation measurement tool in children with physical disabilities (**completed**)

Type of project: academic, (Iran University of Medical sciences)

Date: 02/06/95

Design code: 28549

Type of collaboration: main partner

**3. Title:** Studying the prevalence of flat feet among elementary school students in Shahr Zanzan (**completed**)

Project Type: Academic (Zanzan University of Medical Sciences)

Date: 18/01/96

Design code: A-10-1097-2

Type of cooperation: main performer

**4. Title:** Investigating the relationship between the level of functional ability of the upper limbs of children with cerebral palsy and their participation in different areas of life (**completed**)

Project Type: Academic (Zanzan University of Medical Sciences)

Date: 20/02/96

Design code: A-11-1097-3

Type of cooperation: main performer

**5. Title:** Investigating factors affecting the participation of children with cerebral palsy in targeted activities based on the framework of occupational therapy: a systematic review (**completed**)

Project Type: Academic (Iran University of Medical sciences)

Date: 05/12/2016

Design code: 97-01-32-33048

Type of collaboration: main partner

6. **Title:** Improving the quality of clinical education of occupational therapy fieldwork educators of Iran University of Medical Sciences: Participatory action research study (**completed**)

Project Type: Academic

Date: 07/23/2018

Design code: 99-1-10-16308

Type of cooperation: main performer

7. **Title:** design, implementation and evaluation of the clinical training program of the field of occupational therapy in the universities of medical sciences of the country based on the ADDIE model (in progress)

Project Type: Academic(Shhid Beheshti University of Medical sciences)

Date: 11/23/2019

Design code: 0-1-10-20107

Type of collaboration: main partner

### **Research Interests**

- Clinical Education
- Educational evaluation (clinical and...)
- Participation of children, especially children with physical disabilities
- Development and validation of scale
- Aging
- And....

### **Skills & Work Experiences**

1. Faculty member in the occupational therapy department of Zanjan University of Medical Sciences from 26/06/2013 to 26/06/2016 for three years.

2. Fieldwork educator of occupational therapy students of Iran University of Medical Sciences from 07/01/2016 to 12/20/2019 for 3 years

3. Occupational therapist in Ayatollah Mousavi Zanjan hospital from 05/04/2013 to 12/28/2013 for 18 months and 25 days

4. Part-time attendance at the daily training center for the rehabilitation of physically disabled people in Zanjan city as an occupational therapist from 04/05/2013 to 25/09/2016 for 5 years and 4 months.

5. Attending part-time in Afrainesh educational and rehabilitation center in Zanjan city as an occupational therapist from 09/07/2013 to 10/01/2014 for 1 year and 1 month.

6. Faculty member in the occupational therapy department of shahid beheshti University of Medical sciences from 2021 till now



## University Teaching Experience

### Professional Experience

- Basics of occupational therapy and rehabilitation
- Activity theory
- Sociology in occupational therapy
- Occupational therapy in psychosocial disorders 1
- Targeted activities 1
- Targeted activities 2
- Targeted activities (3)
- Targeted activities (4)
- Group and interpersonal relationships
- An introduction to the research method
- Child growth
- Games and entertainment
- Professional rehabilitation and ergonomics
- Daily life activities
- Internship in the field of psychology 1
- An introduction to child psychiatry
- Dental and ergonomic equipment
- Physical clinical internship 1
- Physical clinical internship 2
- Clinical observation
- Surface anatomy
- Occupation theory
- Techniques
- Occupational therapy in diseases of children and adolescents 3

### Teaching Workshops

1. Empowerment training for female employees of Jihad Kishorezai organization of Zanjan province (with a health and hygiene approach) on 11/07/2015 as a lecturer (subject: prevention of musculoskeletal injuries caused by work).



2. Physical and mental health of women at the General Directorate of Technical and Vocational Education of Zanjan province on 02/15/2016 as a lecturer (topic: rehabilitation of work-related musculoskeletal injuries).
3. Planning rehabilitation services for students with special needs, from 09/24/2018 to 09/27/2018 as a lecturer (topic: rehabilitation/occupational therapy in children with cerebral palsy).
4. Comprehensive rehabilitation workshop for children with cerebral palsy disorder, from 02/06/2017 to 02/07/2018 as a lecturer.
5. Holding various webinars at the continuing education center of Shahid Beheshti University of Medical Sciences

### **Congress, Conference, Seminar Presentations**

1. Does parent report gross motor function level of cerebral palsy children impact on the parent report quality of life in children with cerebral palsy
  - Name of the conference: The 20th Annual Congress of Physical Medicine, Rehabilitation and Electrodiagnosis of Iran
  - Type of conference: National
  - Role: Provider
2. Introducing and examining the psychometric properties of participation assessment tools for children over 6 years old
  - Name of the conference: 20th Iran Occupational Therapy Congress
  - Type of conference: National
  - Role: Provider
3. The effect of painting therapy on reducing the aggression of a child with Myelomeningocele: a case study
  - Name of the conference: 20th Iran Occupational Therapy Congress
  - Type of conference: National
  - Role: Provider
4. Applying EHP model in a Spinal Muscular atrophy (SMA) patient: Case report
  - Name of the conference: 20th Iran Occupational Therapy Congress
  - Type of conference: National
  - Role: Provider

### **Cooperation with Journals as Reviewer:**

Scientific Journal of Rehabilitation Medicine. <http://medrehab.sbmu.ac.ir/>

- ✓ Child: Care, Health & Development  
<https://onlinelibrary.wiley.com/journal/13652214>

- ✓ Developmental Neurorehabilitation  
<https://journals.plos.org/plosone/s/journal-information>
- ✓ PLOS ONE  
<https://www.tandfonline.com/toc/ipdr20/current>
- ✓ Function and Disability Journal  
<https://fdj.iums.ac.ir/>

## **Executive Experiences Courses**

1. "Signia Advanced Product Training and HQ Facility Tour". February 2020. Singapore

## **Memberships**

1. Islamic Republic Of Iran Medical Council, 2013 until Now
2. Membership in the Scientific Occupational Therapy Association of Iran from 2013 to now
3. Membership in the National Elite Foundation since 2018
4. Member of the occupational therapy training group of Zanzan University of Medical Sciences (academic faculty commitment) from September 2013 to September 2016
5. Head of Occupational Therapy Department of Ayatollah Mousavi Hospital in Zanzan from August 2011 to March 2012
6. Instructor for Bachelor of Occupational Therapy students/ Zanzan University of Medical Sciences, Esfand 2013 to September 2016
7. Membership in the Board of Tavanyab Association

## **Awards and Honors and Achievements**

1. Acknowledgment of the selected university process of the 14th Shahid Motahari Educational Festival, the title of the process is "Preparation and editing of the occupational therapy training course: especially for clinical instructors, students of the clinical internship unit, and students of the clinical observation unit" year: 2019
2. Distinguished student (brilliant talent)/ selected in the master's exam, year: 2013
3. Distinguished student and top rank in specialized doctorate, year: 1396-1399

## **Participated in workshops & Courses**

1. Title: Types of clinical training methods in occupational therapy.
  - Type of workshop: academic
  - Date: from 03/12/2018 to 03/12/2019

2. Title: Effective communication in clinical internships.
  - Type of workshop: academic
  - Date: from 02/18/2019 to 02/18/2019
3. Title: Applying the concept of occupation in clinical internships
  - Type of workshop: academic
  - Date: from 07/12/2019 to 07/12/2019
4. Title: Workshop on how to write the scholarly process of Motahari Festival
  - Type of workshop: academic
  - Date: from 06/11/2019 to 06/11/2019
5. Title: Comprehensive rehabilitation workshop for children with cerebral palsy disorder
  - Type of workshop: academic
  - Date: from 06/02/1397 to 07/02/1397

### **Certifications**

1. ICDL (International Computer Driving License) Certification
2. Endnote Certification

### **Languages**

1. Persian: Native Languages
2. English: MHLE: score of **68**
3. Turkish(Azari): native
4. Turkish(Istanbuli): good

### **Hobbies**

Walking, Mind and Brain Games, Reading different types of Books

## References

1. Navid Mirzakhani Araghi, Assistant Professor, Department of Occupational Therapy. School of Rehabilitation. Shahid Beheshti University of Medical Sciences, Tehran, Iran.  
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2. Minoos Kalantari, Associate Professor, Department of Occupational Therapy. School of Rehabilitation. Shahid Beheshti University of Medical Sciences, Tehran, Iran.  
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3. Mehdi Rezaee, Associate Professor, Department of Occupational Therapy. School of Rehabilitation. Shahid Beheshti University of Medical Sciences, Tehran, Iran.  
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