



Masoud Sadeghi

PhD in Optometry

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Date of Completion: January 2022

Academic Affiliation

Assistant Professor, Department of Optometry, School of Rehabilitation, Shahid Beheshti university of Medical Sciences, Tehran, Iran.

About Me

I am Masoud Sadeghi, PhD in Optometry from Mashhad University of Medical Sciences. I have completed the bachelor's degree in optometry (1991-1995) and the master's degree in optometry (2009-2012) at Shahid Beheshti University of Medical Sciences. I am constantly interested in learning various skills in the professional and general fields. I am a hardworking person with extensive experience in optometry and I am interested in group activities. My favorite research areas include the application of nanotechnology in the visual sciences, ocular implants, contact lenses, and interdisciplinary and multidisciplinary technological research.

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Department of Optometry



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https://www.researchgate.net/profile/Masoud-Sadeghi?ev=hdr_xprf



<https://scholar.google.com/citations?user=mQG9BiYAAAAAJ&hl=en>

Academic Educations

- **PhD in Optometry**, Department of Optometry, School of Paramedical sciences, Mashhad University of Medical Sciences, Mashhad, Iran (2014-2020).
- **MSc in Optometry**, Department of Optometry, School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2009-2012).
- **BSc in Optometry**, Department of Optometry, School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran (1991-1995).

Thesis Title

- **Thesis Title (PhD)**: Design and synthesis of chitosan nanocomposite; containing metallic nanoparticles; have suitable properties for making soft contact lenses
Supervisors: Abbas Azimi Khorasani, Hossein Bagheri
- **Thesis Title (MSc)**: Comparative survey of posterior OCT findings in unilateral anisometric amblyopic and normal eyes.
Supervisor: Mohammad Aghazadeh Amiri
- **Thesis Title (MSc)**: Photocoagulation in diabetic macular edema.
Supervisor: Mohammad Aghazadeh Amiri

Publications

- Published Articles

1. Aghazadeh Amiri, M., Khosravi, B., Hashemian Far, S., Tabatabaei, S., Sadeghi, M. A Comparative Survey of OCT Findings in Fovea of Unilateral Persistent Anisometric Amblyopic and Normal Fellow Eyes. *The Scientific Journal of Rehabilitation Medicine*, 2013; 2(3): 1-10. doi: 10.22037/jrm.2013.1100111
2. Khosravi, B., Behbahani, M., Tabatabaee, S., Hashemianfar, S., Aghazadeh Amiri, M., Sadeghi, M., Faridi, Z., Akhgari, M. Identification of microorganisms associated with reusable color contact lens trial sets in private eye clinics and offices in Tehran in 2013. *The Scientific Journal of Rehabilitation Medicine*, 2013; 2(4): 1-7. doi: 10.22037/jrm.2013.1100127
3. Heravian J, Heydarian S, Mahjoob M, Sadeghi M, Momeni SM. Using Low Vision Aids in Improving the Quality of Life in Patients with Age Related Macular Degeneration: A Review of the Literature. *Journal of Mazandaran University of Medical Sciences*. 2016 Jan 15;25(132):376-92.
4. Imanzade M, Shafaeizadeh A, Dadpay M, Keshvari H, Taheri Yegane H, Masoud Sadeghi, Mehran Zeialipour and Mostafa Bahman Abadi Bioresonance Treatment of Intractable Corneal Ulcer. *Ann Mil Health Sci Res*. 2021;19(3):e117099. doi: 10.5812/amh.117099.

Researches & Grants

1. **Department of Optometry, Shahid Beheshti University of Medical Sciences, Tehran**
Project: Identification of microorganisms associated with reusable color contact lens trial sets in private eye clinics and offices in Tehran in 2013

Supervisor: Seyyed Mahdi Tabatabaee

2. Department of Optometry, Mashhad University of Medical Sciences, Mashhad

Project: Design and synthesis of chitosan nanocomposite; containing metallic nanoparticles; have suitable properties for making soft contact lenses

Supervisor: Hadi Ostadi Moghaddam

Research Interests

1. Nanotechnology and its applications in ophthalmology and visual sciences
2. Research related to improving refractive results in the treatment of patients with keratoconus
3. Technological research to design and manufacture ocular implants
4. Research in the field of visual sciences and retinal
5. Research related to contact lenses

Skills & Work Experiences

1. Assistant professor, Department of Optometry. School of Rehabilitation Shahid Beheshti University of Medical Sciences, Tehran, Iran. **From 2021 until Now**

University Teaching Experience

Professional Experience

1. Physiological optics
2. Binocular vision
3. Dispensing
4. Contact lenses

Clinical Instructor

1. Internships
2. Optometry (1,2)
3. Infants' Optometry
4. Advanced Optometry
5. Binocular vision Anomalies
6. Advanced Infants' Optometry
7. Advanced contact lenses

Teaching Workshops

1. One-day workshop on “how to collect and compile information related to the standardization of optometry services”. Iranian Scientific Optometry Association

Congress, Conference, Seminar Presentations

- Oral Presentations

1. 44 lectures at national congresses and one-day scientific conferences on optometry
2. Speech in English on “Microorganisms and contact lenses” at the KOL International Conference (April 27-30, 2017) Tbilisi-Georgia

- Poster Presentations

Cooperation with Journals as Reviewer:

1. Journal of Current Ophthalmology <https://www.jcurrophthalmol.org/>
2. Scientific Journal of Rehabilitation Medicine. <http://medrehab.sbmua.ac.ir/>

Executive Experiences

- Participated in scientific and executive committees of 8 national optometry congresses

Memberships

1. Member of the Board of Directors and Secretary of the Iranian Scientific Optometry Association
2. Member of Islamic Republic of Iran Medical Council
3. Membership in the Strategic Committee for the Development of Standards for Optometry Services
4. Participation in the first national workshop on indigenous development of the relative value of optometry services
5. Participation in joint meetings of the Ministry of Health and the World Health Organization on the Vision 2020 blindness prevention plan as a representative of the Iranian Scientific Optometry Association
6. Membership and participation in the national plan for the prevention of amblyopia

Awards and Honors and Achievements

- Achieving the first rank of graduates of the undergraduate optometry course in October 1991, Shahid Beheshti University of Medical Sciences
- MSc of Optometry: Achieving the second rank in the national entrance exam of the Ministry of Health in 2009
- PhD of Optometry: Achieving the fourth rank of the national entrance exam of the Ministry of Health in 2013

- My PhD dissertation was evaluated by Mashhad University of Medical Sciences Technology Council (in the form of product-oriented dissertation regulations) as equivalent to 2 ISI articles.

Participated in workshops & Courses

Certifications

1. Evaporative spin-casting device (patent registered number 99495). This device was designed and manufactured to make contact lenses from nanocomposites synthesized by Sol-gel method and the possibility of using nanotechnology in the manufacture of antimicrobial soft contact lenses.
2. Certificate of invention of the soft contact lens holder for performing the puncture resistance test (patent registered number 99506). This device is designed and manufactured to facilitate and expedite the evaluation of the mechanical properties of soft contact lenses. With the help of this device, the mechanical resistance of different types of contact lenses can be checked in a very short time and without the need to make cuts in the structure of the contact lens.

Charity Activities

1. Voluntary vision Screening of Preschools and Primary Schools Students

Languages

1. Persian: Native Languages
2. English
3. Turkish (Azerbaijan and Turkey)

Hobbies

Mind and Brain Games, Reading Historical Books, Gardening

References

1. **Prof Abbas Azimi Khorasani** PhD in Optometry, Professor in Optometry. Department of Optometry. School of Paramedical sciences. Mashhad University of Medical Sciences, Mashhad, Iran.
Telephone Number: +98 9151145532
Email: AzimiA@mums.ac.ir
2. **Dr. Parastoo Tajzadeh** Assistant Professor of Microbiology, Chief of Medical Laboratory Sciences Department, Kashmar School of Nursing, Mashhad University of Medical Sciences, Mashhad, Iran
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3. **Prof. Mohammad Ghassemi Broumand** Professor of Ophthalmology. Department of Optometry. School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran
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4. **Dr. Saeed Rahmani.** Assistant Professor of Optometry. Head of Department of Optometry. School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran
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