

# MARYAM SADEGHIJAM

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My name is maryam Sadeghijam, and I am assistant professor of audiology at Iran University of Medical Science (IUMS). I am also a PhD graduate of IUMS in December 2019 and I have more than 20 years' experience working as an audiologist in different academic and clinical settings.

## EDUCATION

### DECEMBER 2019

DOCTOR OF PHYLLOSOPHY (PHD) IN AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Thesis title: the effect on binaural beat stimuli on the brain electrical responses and clinical findings in the individuals suffering from annoying chronic tinnitus (<http://iums.ac.ir/en>).

### JUNE 2005

MASTER'S DEGREE (M.SC) IN AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Thesis title: A survey on the auditory site of lesion in neonates and infants suffering from hyperbilirubinemia using ABR and TEOAE test (<http://iums.ac.ir/en>).

### JULY 2000

BACHELOR'S DEGREE (B.SC) IN AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Thesis title: considerations in central auditory processing disorders (<http://iums.ac.ir/en>).

## EXPERIENCE

### FEBRUARY 2022 – PRESENT

ASSISTANT PROFESSOR OF AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Teaching theoretical and practical audiology courses, Training undergraduate and graduate audiology students.

**FEBRUARY 2010- FEBRUARY 2022**

MEMBER OF TEACHING STAFF OF THE AUDIOLOGY DEPARTMENT, IRAN  
UNIVERSITY OF MEDICAL SCIENCE

Teaching practical and theoretical courses to undergraduate audiology students.

## **PROFESSIONAL INTERESTS**

- Hearing aids and assistive listening devices; consultation, selection, fitting and fine tuning in adults and children
- Tinnitus; evaluation & management; especially sound therapy and cognitive behavioral therapy
- Vestibular system function; assessment & rehabilitation

## **TEACHING EXPERIENCE**

### **BACHELOR OF SCIENCE IN AUDIOLOGY (THEORY & PRACTICAL)**

- Anatomy & physiology of auditory and vestibular system (T)
- Behavioral assessments of children hearing (P)
- Prescription and fitting of hearing aids and assistive listening devices (P)
- Ear, nose and throat diseases (T)
- Audiologic, Psychoacoustic and psychometrics assessments of tinnitus (T&P)
- Vestibular system assessment (P)

### **MASTER OF SCIENCE IN AUDIOLOGY (THEORY & PRACTICAL)**

- neuroscience of hearing (T)
- advanced hearing aid prescription and fitting (T)
- special populations (tinnitus) (T&P)

## **ACADEMIC SUCCESSEE:**

**2019** 2<sup>th</sup> rank in audiology PhD students

**2005** 2<sup>th</sup> rank in audiology graduate students

## ACADEMIC POSITIONS

**FEBRUARY 2022 – PRESENT**

ASSISTANT PROFESSOR OF AUDIOLOGY

Iran University of Medical Sciences, School of Rehabilitation Sciences (<http://iums.ac.ir/>)

**FEBRUARY 2022 – PRESENT**

MEMBER OF VESTIBULAR SYSTEM ASSESMENT & REHABILITATION RESEARCH COMMITTEE

Iran University of Medical Sciences, School of Rehabilitation Sciences; Audiology department

**FEBRUARY 2022 – PRESENT**

MEMBER OF TINNITUS ASSESMENT & REHABILITATION RESEARCH COMMITTEE

Iran University of Medical Sciences, School of Rehabilitation Sciences; Audiology department

**FEBRUARY 2022 – PRESENT**

MEMBER OF ASSISSTIVE LISTENING DEVICES AND HEARING AIDS COMMITTEE

Iran University of Medical Sciences, School of Rehabilitation Sciences; Audiology department

## EXECUTIVE POSITIONS

### APPROVED PROJECTS AND GRANTS

**APPROVED PROJECT / CODE: 97023233909**

**Title:** the effect on binaural beat stimuli on the brain electrical responses and clinical findings in the individuals suffering from annoying chronic tinnitus

**Status:** completed

**Sponsor:** School of Rehabilitation Sciences, Iran university of medical sciences

**Role:** partner investigator

**APPROVED PROJECT / CODE: 9813714689**

**Title:** Development of Clinical Practice Guideline in Tinnitus Management

**Status:** running

**Sponsor:** School of Rehabilitation Sciences, Iran university of medical sciences

**Role:** partner investigator

### **APPROVED PROJECT / CODE: 9817513685**

**Title:** EEG Feature Extraction by using Temporal and Spectral Nonlinear Method in Tinnitus Sufferers

**Status:** completed

**Sponsor:** School of Rehabilitation Sciences, Iran university of medical sciences

**Role:** partner investigator

### **APPROVED PROJECT / CODE: 353**

**Title:** Development and Evaluation of an Educational EEG Patterns Recognition Software using Machine Learning in Idiopathic Tinnitus Sufferers

**Status:** in the process of approval

**Sponsor:** virtual university of medical sciences

**Role:** principal investigator

### **APPROVED PROJECT / CODE:**

**Title:** Comparison of Attitudes of Otolaryngologists for applying the CBT Approach in Tinnitus Management and Referral Rate for Annoying Tinnitus before and after Education - a Virtual Application

**Status:** ongoing

**Sponsor:** Hazrat Rasool hospital research center

**Roli:** partner investigator

### **APPROVED PROJECT / CODE: 23116**

**Title:** Evaluation of Iranian audiologist's attitudes regarding the application of coping techniques based on evidence-based method of cognitive-behavioral therapy before and after providing the training

**Status:** running

**Sponsor:** School of Rehabilitation Sciences, Iran university of medical sciences

**Role:** partner investigator

### **APPROVED PROJECT / CODE: 20908**

**Title:** Design and Development of Tinnitus Management Educational Software to Study Alteration of Attitude, Knowledge, and Clinical Behavior in Audiologists via Pre and Post Virtual Training of Coping Skills

**Status:** running

**Sponsor:** School of Rehabilitation Sciences, Iran university of medical sciences

**Role:** partner investigator

### **APPROVED PROJECT / CODE: 20012**

**Title:** Vestibular system evaluations in patients with laboratory-confirmed positive covid19 after discharge

**Status:** running

**Sponsor:** School of Rehabilitation Sciences, Iran university of medical sciences

**Role:** partner investigator

## **PUBLICATIONS (PAPERS & BOOKS)**

### **JOURNAL PAPERS**

1. Moossavi A, **Sadeghijam M**, Akbari M. The hypothetical relation between the degree of stress and auditory cortical evoked potentials in tinnitus sufferers. *Med Hypotheses*. 2019, 130
2. **Sadeghijam M**, Moossavi A, Akbari M. Does tinnitus lead to chaos? *Braz J Otorhinolaryngol*. 2021 Mar;87(2):125–6.
3. **Sadeghijam M**, Moossavi A, Akbari M, Yousefi A, Haghani H. Effect of tinnitus distress on auditory steady-state response amplitudes in chronic tinnitus sufferers. *J Clin Neurosci*. 2022; 97:49–55.
4. **Sadeghijam M**, Talebian S, Mohsen S, Akbari M, Pourbakht A. Shannon entropy measures for EEG signals in tinnitus. *Neurosci Lett*. 2021; 762:136153.
5. Mehdi Akbari, **Maryam Sadeghijam**, Mohammad Reza Keyhani. Auditory site of lesion in infants suffering from hyperbilirubinemia by using ABR and TEOAEs. *Bimonthly Adiology-Tehran University of Medical Sciences*. 2006; 14:2, 19-25. (In Farsi)
6. **Sadeghijam M**. Vestibular Rehabilitation: An Efficient Way in Therapy of balance disorders. *Journal of Hearing Sciences and Otolaryngology*. 2016. 2:2; 57-58

### **CONFERENCE PAPERS**

Akbari M, **Sadeghijam M**, study of auditory system in neonates with hyperbilirubinemia using ABR and OAE; Asia pacific conference of speech, language and hearing; 2010; Malesia

## INVITATIONS

TRI Congress; Binaural beat stimuli: a new brain sound neuromodulation approach in tinnitus management; Canada; Vancouver; 2020

## THESES, SUPERVISED OR CONSULTED

### SUPERVISED TESES

### CONSULTED THESES

1. The effect of vestibular rehabilitation based on dual task on cognition and vertigo handicap in patient with vestibular Migraine. **Fateme Shahabi**. McS in audiology; 2022; ongoing
2. The effect of vestibular rehabilitation based on dual task in Covid-19 patients with vertigo compliance using questionnaires and balance tests. **Zahra Sharifi**; McS in audiology; 2022; ongoing
3. A comparative study of peripheral and central auditory system in patients with laboratory confirmed positive Covid-19 with and without hearing problems after discharge from hospital. **Anis Hosseini**; McS in audiology; 2021; ongoing
4. Evaluation of Iranian audiologist's attitudes regarding the application of coping techniques based on evidence-based model of cognitive-behavioral therapy before and after providing the training. **Kamal Pahlavan**. MsC in audiology; 2021; ongoing

## PEER REVIEW ACTIVILTIES

Brazilian Journal of Otorhinolaryngology; <https://www.journals.elsevier.com/brazilian-journal-of-otorhinolaryngology> ; (2 articles)

## **PRESENTATIONS**

1. H.I.N.T.S test battery and its application in diagnosis of stroke in the acute vestibular syndrome, APON international congress, IRAN, 2016
2. The analysis of brain waves in tinnitus patients by linear and nonlinear methods, 18<sup>th</sup> congress of audiology, 2019
3. Lecture in audiology field, 16<sup>th</sup> congress of audiology, 2017
4. Lecture in audiology field, 15<sup>th</sup> congress of audiology, 2016
5. Lecture in audiology field, 13<sup>th</sup> congress of audiology, 2014
6. Compression in hearing aids, Geoshe academy, 2020
7. The role of hearing technologies in improving speech perception, scientific conference, IRAN university of medical science, 2017\
8. The examination of neonate hearing with hyperbilirubinemia, 5<sup>th</sup> congress of audiology, 2005
9. Impressions for hearing aids, hearing aid impression contest, IRAN university of medical science, 2019
10. Lecture in hearing aids field, modern hearing aids technology seminar, IRAN university of medical science, 2019
11. Sound therapy in tinnitus management, Tinnitus Diagnosis and Management Seminar, IRAN university of medical science, 2018
12. The electrical stimulation in tinnitus management, Tinnitus Diagnosis and Management Seminar, IRAN university of medical science, 2018
13. Mechanisms for tinnitus, Tinnitus Diagnosis and Management Seminar, IRAN university of medical science, 2018
14. Lecture in hearing aids field, The latest technologies in hearing aids and cochlear implants seminar, 2012
15. Lecture in real ear measurements, real ear measurement conference, IRAN university of medical science, 2017
16. One-day scientific conference of science and new activities in diagnostic and rehabilitation equipment, IRAN university of medical science, 2011
17. Holding a workshop on preliminary hearing aids fitting, IRAN university of medical science, 2019
18. Holding a workshop on sound therapy in tinnitus, IRAN university of medical science, 2019
19. Holding a workshop on tinnitus cognitive-behavioral therapy, IRAN university of medical science, 2018

20. Holding a workshop on sound therapy and different kinds of electrical stimulations in tinnitus management, IRAN university of medical science, 2018
21. Holding a workshop on tinnitus management with counselling, sound therapy and electrical stimulations approaches, 2018
22. 21. Holding a workshop on tinnitus evaluations (psychoacoustic and psychometric), IRAN university of medical science, 2019
23. The application of brain waves in audiology seminar, IRAN university of medical science, 2017
24. Tinnitus evaluation webinar, audiology scientific association, 2022

## **PROFESSIONAL MEMBERSHIP**

1. Iranian Association of Audiology; 2005-Present
2. Iranian Audiologists Society; 2005-Present