

# Research CV – Akram Ahmadi

**SUBSTANTIVE POST:** Academic member. Babol University of Medical Sciences, Iran

**ACADEMIC POST:** Assistant Professor, Babol University of Medical Sciences, Iran.

**RESPONSIBILITIES:** Manager of education development office of Rehabilitation faculty, Babol University of Medical Sciences, Manager of speech therapy clinic of Yahyanezhad Hospital, Iran  
Assessment and treatment of voice disorders,

**AREAS OF EXPERTISE:** Assessment and treatment of speech sound disorders and voice disorders, Development and validation of assessment tools.

## Summary of role

- Member of speech therapy department, Rehabilitation faculty, Babol University of Medical Sciences.
- Supervisor of speech therapy clinic in Yahyanezhad Hospital.
- The head of Education Development office of Rehabilitation Faculty.
- Member of Immobility impairment research center.
- Member of research center in Yahyanezhad hospital.
- Member of research collaboration in Rehabilitation faculty.
- Dissertation supervisor for two psychiatry residents and a medicine student.
- Thesis advisor for a Masters' degree student.
- Author of 27 full publications and 5 conference papers. A list of publications is attached.

## Qualifications

2018	PhD	Tehran University of Medical Sciences
2013	Master's degree	Isfahan University of Medical Sciences
2006	Bachelor of Science's degree	Iran University of Medical Sciences

## Grant awards

2012	Comparison Voice Handicap Index (VHI) scores in teachers with voice disorders and the dysphonic non-professional voice users. Isfahan University of medical sciences.
2014	Determining the validity and reliability of inter and intra-rater of the stuttering severity instrument-fourth edition (SSI-4) specific school-age children who stutter 12-18 years in Ahvaz city.
2014	Investigation and comparison relation between stuttering severity and phonetic skills in 3-6 years children who stutter Persian language in Ahvaz city.
2016	Development and Validation of Persian test of articulation for 4-6 years old children.
2017	Cross-cultural adaptation and validation of voice activity participation profile-Persian version (VAPPP). Shiraz University of Medical Sciences.
2017	Change in voice related quality of life after Botox injection in patients with adductor spasmodic dysphonia, a systematic review. Shiraz University of Medical Sciences.

2016	Cross-cultural adaptation and validation of voice disability coping questionnaire Persian version (VDCQ), Shiraz University of Medical Sciences.
2018	Validity and Reliability of the Persian version of voice Catastrophization Index. Kermanshah University of Medical Sciences.
2018	Cross-cultural adaptation and validation of Persian version of Speech handicap index, Shiraz University of Medical Sciences.
2021	Investigation of grammar comprehension in children with ADHD.
2021	Investigating the speech characteristics of children with ADHD with normally developing peers in the age range of 3-5-year-old.
2022	Developing a standard test battery for diagnosis of Childhood Apraxia of Speech for Persian speaking children and evaluating its reliability and validity.
2022	Studying speech sound development in 3-5 years old Laki speaking children.

## University and professional teaching

2013-2018	Clinical courses at Iran University of Medical Sciences.
2018	<i>Principles of Rehabilitation at Tarbiat moallem University.</i>
2019+	<i>Clinical courses at Babol University of Medical Sciences.</i>
2019+	<i>Developmental Language Disorders at Babol University of Medical Sciences.</i>
2019+	Speech Sound Disorders at Babol University of Medical Sciences.
2019+	<i>Augmentative and Alternative Communication at Babol University of Medical Sciences.</i>
2019+	Normal Speech and Language Development at Babol University of Medical Sciences.
2019+	<i>Speech and Language Disorders for Audiology Students at Babol University of Medical Sciences.</i>

## Doctoral supervision

Psychiatry residency ۲۰۱۹	Mojtaba Mahmoodi. <i>Speech Characteristics of Children with ADHD.</i>
Psychiatry Residency ۲۰۲۲	Mino Mojarad. Translation and validation of parent ADHD screening questionnaire signalling core symptoms(PASSC) in Persian speaking children

# PUBLICATIONS AND PRESENTATIONS

ORCID: [0000-0003-3755-611X](https://orcid.org/0000-0003-3755-611X)

## Book chapters

The Oxford Handbook of Speech Development in Languages of the World (In press)

## Peer-reviewed full publications

Nojavan-Pirehyousefan H, Zarifian T\*, Ahmadi A, & Pascoe M. Speech Sound Acquisition in Azeri Turkish-Speaking Children in Iran. *Journal of Communication Disorders* 2022; 99. DOI: 10.1016/j.jcomdis.2022.106244

Bagheri F, Keith R, Ebadi A, Eshaghi M, Shirzad M, Ahmadi A\*. Translation, Validity, and Reliability of the Persian Version of the University of Cincinnati Auditory Processing Inventory. *Hearing, Balance and Communication* 2022; 20:11. 63-68. DOI: 10.1080/21695717.2021.2008760

Jazem F, Zarifian T\*, Ahmadi A, Pouralizade N, Sazegar Nejad S. Non-word Repetition in Persian Learning Toddlers with Typical Development. *Applied Neuropsychology: Child* 2022; 1-8. DOI: 10.1080/21622965.2021.2024191

Shahramnia M, Ahmadi A, Saffariyan A, Kamali M, Mohamadi R\*. Speech Sound Production, Speech Intelligibility, and Oral-motor Outcomes of Preterm Children: Are They Different from Full term Children? *Applied Neuropsychology: Child* 2021; 1-9. DOI: 10.1080/21622965.2021.2017940

Dehghan M, Kuhi M, Rezvani S, Esmaeilzadeh S, Samadinezhad H, Basirat Z, & Ahmadi A\*. Speech and Language Development of Children Born Following Assisted Reproductive Technologies. *International Journal of Pediatric Otorhinolaryngology* 2020; 134, 110060. DOI: 10.1016/j.ijporl.2020.110060

Ardalan H, Zarifian T\*, Ahmadi A, Ebrahimipour M. Developing a Minimal Pairs' Package for Persian-speaking Children: A Preliminary Study. *Iranian Rehabilitation Journal* 2020, 18:3, 275-80. DOI: 10.32598/irj.18.3.611.1

Nojavan-Pirehyousefan H, Zarifian T\*, Ahmadi A, Jahan A, Teymouri R, Hosseinzadeh S. Development of a Speech Production Test in Azeri Turkish speaking children. *Applied Neuropsychology: Child* 2021; 11:4. 681-90. DOI: 10.1080/21622965.2021.1935255

Zarifian T, Ahmadi A\*, & Ebadi, A. Development and Measurement of Psychometric Properties of the Persian Test of Speech Consistency in Children with Typical Development. *Applied Neuropsychology: Child* 2020; 11:3.226-34. DOI: 10.1080/21622965.2020.1786831

Ghayedlou L, Ahmadi A\*, Ghorbani A, Torabinezhad F, Keyhani M R, Hashemi S B. Vowel Duration Measurement in School-age Children with Cochlear Implant. *International Journal of Pediatric Otorhinolaryngology* 2020; 136. DOI: 10.1016/j.ijporl.2020.110142

Faham M, Ahmadi\* A, Drinnan M, Saadatmand N, Fatahi E, Jalalipour M. The Effects of a Voice Education Program on VHI Scores of Elementary School Teachers. *Journal of Voice* 2015; 30:6.e1-11. DOI: 10.1016/j.jvoice.2015.09.009

Ahmadi A, Tohidast SA\*, Mansuri B, Kamali M, Krishnan G. Acceptability, Reliability, and Validity of the Stroke and Aphasia Quality of Life Scale-39 (SAQOL-39) across Languages: A Systematic Review. *Clinical Rehabilitation* 2017; 31:9.1201-14. DOI: 10.1177/0269215517690017

Faham M, Jalilevand N, Torabinezhad F, Silverman EP, Ahmadi A\*, Anaraki ZG, Jafari N. Relationship between Voice Complaints and Subjective and Objective Measures of Vocal Function in Iranian Female Teachers. *Journal of Voice*. 2017; 31:4:e1.6. DOI: 10.1016/j.jvoice.2016.10.011

Faham M, Anaraki ZG, Ahmadi A\*, Ebadi A, Silverman EP. Psychometric Properties of Voice Activity Participation Profile—Persian Version (VAPPP). *Journal of Voice* 2017; 32:5. e11-15. DOI: 10.1016/j.jvoice.2017.07.021

Azimi T, Ghoreishi Z\*, Nilipour R, Farazi M, Ahmadi A, Krishnan G, Aliniaye Asli P. Lexical-Semantic Processing of Action Verbs and Non-action Nouns in Persian Speakers: Behavioral Evidence From the Semantic Similarity Judgment Task. *Applied Neuropsychology: Adult* 2020; 29:4.718-30. DOI: 10.1080/23279095.2020.1806844

Ahmadi A, Faham M\*, Hosseinifar S, Silverman, E., Fazeli M, Shiani, A, & Ebadi A. Translation and Validation of the Voice Catastrophization Index for Persian-speaking Patients with Dysphonia. *Folia Phoniatica et Logopaedica* 2020; 72:5.341-50. DOI: 10.1159/000501907

Faham M\*, Ahmadi A, Silverman E, Harouni GG, Dabirmoghaddam P. (2021). Quality of Life after Botulinum Toxin Injection in Patients with Adductor Spasmodic Dysphonia; A Systematic Review and Meta-analysis. *Journal of Voice* 2021; 35:2. 271-83. DOI: 10.1016/j.jvoice.2019.07.025

Ahmadi A, Kamali M\*, Mohammadi R, Ebadi A, Zarifian T, Dastjerdi M. Assessment of Speech Sound Production by Story-retelling in Persian Speaking Children: Introducing a New Instrument. *Iranian Journal of Medical Sciences* 2019; 44:4.299-306. DOI: 10.30476/IJMS.2019.44956

Faham M, Ahmadi A\*, Hosseinifar S, Irvani K, Azimi H. Cross-cultural Adaptation and Validation of the Persian Version of Voice Disability Coping Questionnaire (P-VDCQ): Introducing a New Instrument. *Journal of Voice* 2018; 33:4. 435-40. DOI: 10.1016/j.jvoice.2018.01.004

Ahmadi A, Ebadi A, Kamali M\*, Zarifian T, Dastjerdi Kazemi M, Mohammadi R, Single Word Test for the Assessment of Speech Sound Production in Persian Speaking Children: Development, Validity and Reliability. *International Journal of Pediatric Otorhinolaryngology* 2018; 114:61-66. DOI: 10.1016/j.ijporl.2018.08.018

Ahmadi A\*, Tahmasebi N, Zamani P, Nourafshan M, Phonological Abilities in Persian Preschool Children With Stuttering and Fluent Peers. *Iranian Journal of Child Neurology* 2019; 13:4.75-82. DOI: 10.22037/ijcn.v13i4.19122

Neda Tahmasebi\*, Zamani P, Hozeyli E, Moradi M, Ahmadi M. The Role of Knowledge and Attitude of Learning Disabilities among Elementary Teachers on Referring Afflicted Students to Speech Therapy; a Study in Ahvaz City (South West of Iran). *Iranian Rehabilitation Journal* 2018; 16:4.371-78 DOI: 10.32598/irj.16.4.371

Mojiri F\*, Ahmadi A, hassanzade A, Comparing Voice Handicap Index (VHI) Scores in Vocally-impaired Teachers and Non-professional Voice Patients. *Journal of Rehabilitation Sciences* 2013; 9:3. 367-76 . DOI: 10.22122/jrrs.v9i3.1038

Nikkhah S, Shafei B, Ahmadi A. Investigation of Vowel Duration in Stutterers and Nonstutterers. *Journal of Paramedical Science and Rehabilitation* 2016; 6:4. 175-81. DOI: 10.22037/JRM.2017.110640.1425

Faham M, Vahab M, Pirizade H, Mehravaran M, Ahmadi A, Comparing Respiratory Competency based on MPT and S/Z Ratio in Teachers with/without Voice Disorders Risk Based on SIVD. *Scientific Journal of Rehabilitation Medicine* 2016;5:3.119-26. DOI: 10.22037/JRM.2016.1100242

Ahmadi A, Faham M\*. Autism and Mirror Neuron System: A Review Based on EEG. *Scientific Journal of Rehabilitation Medicine* 2017; 5:4.260-70. DOI: 10.22037/JRM.2016.1100241

Faham M, Ahmadi A, Ashayeri H and Ashtari A. Neurophysiological changes in Dyslexic brain registered by Mismatch Negativity: A Review. *Scientific Journal of Rehabilitation Medicine* 2017; 6:2.224-33. DOI: 10.22037/JRM.2017.1100329

Sheibani F, Razavipour A, Shahfarhat, Younesian SH, Comparison of the Effects of Beckman Oral Stimulation On Canonical Babbling in terms of Gender in Preterm Infants. *The Scientific Journal of Rehabilitation Medicine* 2018; 6:4. 175-81. DOI: 10.22037/JRM.2017.110640.1425

## Conference presentations

Congress of Union of the European Phoniaticians 2018. Ahmadi A, Mohammadi R, Kamali M, Ebadi A, Zarifian T, Dastjerdi Kazemi M, Faham M. Reliability and validity of the new instrument for the assessment of speech sound production in Persian speaking children. 29<sup>th</sup>. Oral Presentation, Helsinki, Finland

Congress of Union of the European Phoniaticians 2018. Ahmadi A, Faham A, Hosseinifar SH. Coping Strategies in Persian Speaking Patients with voice disorders: A new instrument. Poster Presentation, 29<sup>th</sup>. Helsinki, Finland

Congress of Union of the European Phoniaticians 2018. Ahmadi A, Tahmasebi N, Zamani P, Hozeyli E. The attitude of teachers on referring learning disabilities students to speech therapy. 29<sup>th</sup>, Poster Presentation, Helsinki, Finland

International Conference on Pediatrics 2010. Soleimani Z, Ahmadi A, Entezari Zarch M, Maleki Shahmahmood T, Mazarimoghadam N. Language disorders: classification and prevalence. 22<sup>th</sup>. Oral Presentation, Tehran, Iran

Iranian Speech Therapy Congress 2012. Farpour S, Moghiminezhad SH, Nikkhah S, Jamalpour S, Ahmadi A. Investigation of Certificate of Clinical Competence (CCC) in developed countries and its performance in Iran. Conference Paper, 10<sup>th</sup>, Ahwaz, Iran