



EDUCATION

MARMARA UNIVERSITY

Istanbul, Türkiye

Ph.D. in Audiology and Speech Disorders, Sept. 2021–Ongoing
Thesis: Ongoing research on listening effort.
GPA: 4.00

MARMARA UNIVERSITY

Istanbul, Türkiye

Master of Science (M.Sc.), Audiology and Speech Disorders, Sept. 2017–Aug.2019
Thesis: 'Evaluation of Spectral Resolution in Children with Cochlear Implants'
GPA: 4.00, High Honors Student

HACETTEPE UNIVERSITY

Istanbul, Türkiye

Bachelor of Science (B.Sc.), Audiology, Sept. 2013–June 2017
GPA:3.68

ACADEMIC & PROFESSIONAL EXPERIENCE

LECTURER

2019-Present

Vocational School of Health Services, Istanbul Okan University, Istanbul, Turkey.

- Provides theoretical and practical education in audiology-related courses, with a focus on audiometric testing, hearing aid applications, and clinical practice.

RESEARCH FOCUS

Development of Sentence Verification Test to Assess Listening Effort

Jan. 2025 – Present

Lead Researcher, *Listening Effort*.

- Developing a Turkish Sentence Verification Test to assess both speech recognition and listening effort.
- Investigating the relationship between subjective, behavioral, and physiological assessment outcomes for evaluating listening effort.

Translation and Validation of the Cochlear Implant Quality of Life (CIQOL) Instruments in Turkish Language

2024 – Present

Researcher, *Questionnaire Adaptation & Validation*

- To adapt the original "Cochlear Implant Quality of Life (CIQOL)" assessment tools, which evaluate the quality of life of cochlear implant users, into Turkish as the Cochlear Implant Quality of Life Assessment (KiYaKa).

Tr-Mushra Development and Evaluation

June 2018 – June 2019

Researcher, *Psychoacoustics & Sound Quality Assessment*

- Designed a Turkish-adapted version of the MUSHRA framework for evaluating sound quality perception
- Conducted validation studies with native-Turkish-speaking cochlear implant users
- Assessed the sound quality perception in native-Turkish-speaking cochlear implant users using the validated TR-MUSHRA software

RESEARCH GRANTS

Principal Investigator, 2025 – Present: *Development of Sentence Verification Test to Assess Listening Effort.*

Funded by Scientific and Technological Research Council of Türkiye (TUBITAK), Grant Number: 324S088, 56.000,00 TL (\$1,500)

Researcher, 2018 – 2019: *Development and Evaluation of TR-MUSHRA (Multiple Stimulus with Hidden Reference and Anchor for Turkish People).* Funded by Higher Education Council, Grant Number: SAG-A-110618-0289, 10.200,00 TL (\$2,600)

INVITED CONFERENCE PRESENTATIONS

Karaman-Demirel, A. "Inherited Metabolic Diseases and Hearing Case Examples; Mucopolysaccharidosis and Hearing Loss." *Marmara Audiology Days 2023*, Marmara University, Türkiye, June 2023

PUBLICATIONS

Journal Articles

Akbulut, A. A., **Karaman Demirel, A.**, Saçlı, Y., Satıcı, S., Özcan, A. K., & Çiprut, A. (2024). Examining the Burnout of Audiologists in Türkiye: Relationships With Quality of Work Life and Psychological Well-Being. *American Journal of Audiology*, 1-1

Akbulut, A. A., **Karaman Demirel, A.**, & Çiprut, A. A. (2024). Music Perception and Music-Related Quality of Life in Adult Cochlear Implant Users: Exploring the Need for Music Rehabilitation. *Ear and Hearing*.

Köse, B., **Karaman Demirel, A.**, & Çiprut, A. (2022). Psychoacoustic abilities in pediatric cochlear implant recipients: The relation with short-term memory and working memory capacity. *International Journal of Pediatric Otorhinolaryngology*, 162, 111307.

Arslan, N. Ö., Akbulut, A. A., Köse, B., **Karaman-Demirel, A.**, & Derinsu, U. (2021). Sound quality perception of cochlear implant recipients: low-frequency information and foreign-language effect. *International Journal of Audiology*, 61(12), 1045–1053. <https://doi.org/10.1080/14992027.2021.2005833>

Conference Proceedings

Karaman Demirel, A., Bal, N., Çiprut A.A, "Development of Sentence Verification Test to Assess Listening Effort", 2nd International Pediatric Audiology Congress, İstanbul, Türkiye, 4-6 April 2025.

Akbulut, A. A., **Karaman Demirel, A.**, & Çiprut, A. "Koklear İmplant Yaşam Kalitesi Değerlendirme Anketinin Türkçeye Uyarlanması", 3rd International Congress Of The Mirko Tos Ear & Hearing Research Center, Edirne, Türkiye, 13-16 Kasım, 2024.

Karaman Demirel, A., Akbulut, A. A., Saçlı, Y., Satıcı, S., Özcan, A. K., & Çiprut, A. "Odyologlarda Tükenmişliğin İncelenmesi", Xii. Uluslararası Katılımlı Odyoloji & Konuşma Bozuklukları Kongresi, Ankara, Türkiye, 9-11 Ekim 2024.

Akbulut A.A, **Karaman-Demirel A.**, Çiprut A.A, "Yetişkin Koklear İmplant Kullanıcılarının Müzik Algılarının ve Müzikle İlgili Yaşam Kalitelerinin İncelenmesi", 10. Ulusal Otoloji Nörotoloji Kongresi & 12. Koklear İmplantasyon ve Odyoloji Kongresi, Muğla, Türkiye, 4-6 Mayıs 2023, Ss. 56.

Karaman-Demirel A., Akbulut A.A, Çiprut A.A, "Koklear İmplant Kullanıcılarında Müzikal Ses Kalitesi Algısı ile Müzik Algısı ve Müzik Etkinlikleri Arasındaki İlişkinin İncelenmesi", XI. Ulusal Odyoloji ve Konuşma Bozuklukları Kongresi, Mersin, Türkiye, 7-10 Ekim 2022, ss. 69.

Karaman Demirel A., Çiprut A.A, Batman Ç. "Koklear İmplant Kullanan Çocuklarda Spektral Çözünürlüğün Değerlendirilmesi", Marmara Odyoloji Günleri, İstanbul, Türkiye, 24-25 Mayıs 2019, ss.10-11.

Köse B, **Karaman Demirel A.**, Çiprut A.A. "Koklear İmplant Kullanıcısı Çocuklarda Psikoakustik ve Bilişsel Becerilerin Değerlendirilmesi", 15. Türk Rinoloji, 7. Ulusal Otoloji Nörotoloji ve 3. Baş Boyun Cerrahisi Ortak Kongresi, Antalya, Türkiye, 4-7 Nisan 2019, ss.84.

Köse B., Akbulut A. A., **Karaman Demirel A.**, Derinsu U., Çiprut A. A. (2019). Assesment of Sound Quality Perception in Native-Turkish Speaking Cochlear Implant Users Using TR-MUSHRA. 14th European Symposium on Pediatric Cochlear Implantation, Bucharest, Romania

Book Chapters

Akbulut, A. A. & Karaman Demirel, A. & Çiprut, A. (2023). Cochlear Implantation for Single-Sided Deafness. In: Bilgili, A. (ed.), *International Studies in Health Sciences-IV*. Özgür Publications. DOI: <https://doi.org/10.58830/ozgur.pub304.c1242>

CERTIFICATIONS, COURSES & TRAININGS

TUBITAK Project Preparation Course

June 2023

“How to Write and Publish a Scientific Article?”, Prof. Dr. Mete Özcan
(Online)

December 2022

Yeditepe University

Science School for Graduate Students in Health Sciences
TUBITAK 2237-A Project Preparation Course

TUBITAK Project Preparation Course

August 2022

TÜBİTAK Projects in Health Sciences, Prof. Dr. A. Çevik
TUFAN (Online)

Denver II

2017

Denver II Türkiye Standardization and Adaptation

8th National Congress of Audiology and Speech Disorders

2016

Basic Applications in Auditory Evoked Potentials

8th National Congress of Audiology and Speech Disorders

2016

Turkish Matrix Test

ADDITIONAL ACTIVITIES

İşitme Atölyesi, *Founder*

October 2020 - Present

A platform for information, reviews, news and exchange of experience in the audiology field.

Conference Organization Committee Member

June 3-4, 2023

Marmara Audiology Days 2023, Marmara University

TEACHING EXPERIENCE

Instructor of Record

Vocational School of Health Services, Istanbul Okan University,
Istanbul, Turkey

2019 – Present

Fall 2019-	ODY101 Sound and Acoustics I
Present	ODY104 Sound and Acoustics II
	ODY106 Anatomy-Physiology of Hearing and Speech
	ODY203 Clinical Practice and Advanced Test Methods-I
	ODY205 Clinical Practice and Advanced Test Methods-II
	ODY209 Hearing Aids
	ODY241 Occupational Technology
	FTR317 Hearing and Speech Disorders

Fall 2019-Spring	ODY108 Hearing Loss
2021	ODY202 Child Test
	ODY211 Vestibular System and Tests
	ODY 206 Speech Development
