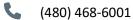
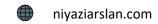
# **NIYAZI OMER ARSLAN**







### **EDUCATION**

August 2025 Ph.D. in Speech and Hearing Science

Concentration: Auditory and Language Neuroscience Arizona State University, Tempe, Arizona, United States

Dissertation: Exploring the Influence of Neural Health on the Efficacy of Electrical Field

Shaping Techniques in Cochlear Implant Recipients

GPA: 4.00

May 2019 M.Sc. in Audiology and Speech Disorders

Marmara University, Istanbul, Turkey

Thesis: Comparison of Spectral Resolution Test Batteries in Normal Hearing Listeners and

Cochlear Implant Users

GPA: 4.00, High Honors Student

June 2017 B.Sc. in Audiology

Bezmialem Vakif University, Istanbul, Turkey

Thesis: Comparison of Click, Tonebursts, and Chirp-Stimulated c-VEMP and o-VEMP

Responses in Healthy Individuals

GPA: 3.79

### **WORK EXPERIENCE**

August 2025 - Present	<b>Assistant Professor (Tenure-Track)</b> , Department of Speech Pathology and Audiology, University of South Alabama, Mobile, Alabama, United States
August 2020 - May 2024	<b>Graduate Teaching Associate</b> , College of Health Solutions, Arizona State University, Tempe, Arizona, United States
August 2020 - May 2024	<b>Graduate Research Associate</b> , Auditory Implant Lab, Arizona State University, Tempe, Arizona, United States
Sept. 2017 – May 2019	<b>Audiologist</b> , Auditory Training Department, Ikem Isık Education and Rehabilitation Center, Istanbul, Turkey
July 2016 - Sept. 2016	<b>Intern</b> , Audiology Clinic, Department of Neuroscience, University of Padua, Padua, Italy

## **PUBLICATIONS**

#### **Peer-Reviewed Journal Publications**

Bal, N., Hüsam, H., Aydın, Z., Demirci, B., **Arslan, N. O.**, & Gedik, Ö. (2025). <u>Comparison of the cVEMP and oVEMP Responses with Different Stimuli in Healthy Individuals</u>. *Clinical and Experimental Health Sciences*, *15*(1), 42-49.

**Arslan, N. O.**, & Luo, X. (2024). Effects of pulse shape on pitch sensitivity of cochlear implant users. Hearing Research, 450, 109075.

**Arslan, N. O.**, & Luo, X. (2022). <u>Assessing the relationship between pitch perception and neural health in cochlear implant users</u>. *Journal of the Association for Research in Otolaryngology*, 23(6), 875–887.

**Arslan, N. O.**, Akbulut, A. A., Köse, B., Karaman-Demirel, A., & Derinsu, U. (2022). <u>Sound quality perception of cochlear implant recipients: low-frequency information and foreign-language effect</u>. *International Journal of Audiology*, *61*(12), 1045–1053.

#### **Non-Peer-Reviewed Articles**

**Arslan, N. O.** (2023, January 23). <u>Cochlear implants can bring the experience of sound to those with hearing loss, but results may vary – here's why</u>. *The Conversation*.

#### Manuscripts in Preparation

**Arslan, N. O.**, Vecellio, A., & Luo, X. Music remixing preferences of prelingual and postlingual cochlear implant users.

**Arslan, N. O.**, & Luo, X. Effect of neural health on the benefits of current focusing for place-pitch sensitivity in cochlear implant recipients.

## **PRESENTATIONS**

#### **Oral Presentations**

**Arslan, N. O.**, & Luo, X. (2025). Unraveling Auditory Nerve Condition: Key to Cochlear Implant Efficacy [Invited presentation].

Talk presented at the *Conference on Implantable Auditory Prostheses 2025* in Lake Tahoe, California, United States.

**Arslan, N. O.**, & Luo, X. (2022). Neural health measures are correlated with place-pitch sensitivity of cochlear implant users.

Talk presented at the Association for Research in Otolaryngology 45th Annual Midwinter Virtual Meeting.

**Arslan, N. O.**, & Ciprut, A. (2019). Comparison of spectral resolution test batteries in normal hearing listeners and cochlear implant users.

Talk presented at the Marmara University Audiology Alumni Meeting in Istanbul, Turkey.

**Arslan, N. O.**, Bal, N., Gedik, O., Aydın, Z., & Demirci, B. (2018). Comparison of click, tonebursts, and chirp-stimulated c-VEMP and o-VEMP responses in healthy individuals.

Talk presented at the 2018 Turkey National Audiology Congress in Istanbul, Turkey.

#### **Poster Presentations**

**Arslan, N. O.,** & Luo, X. (2025). Can Neural Health Estimates Explain the Variability in Place-Pitch Sensitivity Improvement from Current Focusing Among Cochlear Implant Users?

Poster presented at the *Conference on Implantable Auditory Prostheses 2025* in Lake Tahoe, California, United States.

**Arslan, N. O.,** & Luo, X. (2025). Current Focusing Enhances Cochlear Implant Users' Virtual Channel Ranking Performance.

Poster presented at the 52nd Annual Scientific and Technology Conference of the American Auditory Society in Scottsdale, Arizona, United States.

**Arslan, N. O.**, Vecellio, A., & Luo, X. (2024). Hearing history may influence the benefit from remixing music in electrical hearing.

Poster presented at the 51st Annual Scientific and Technology Conference of the American Auditory Society in Scottsdale, Arizona, United States.

**Arslan, N. O.**, & Luo, X. (2023). The effect of pulse shape on pitch sensitivity of cochlear implant users. Poster presented at the *Conference on Implantable Auditory Prostheses 2023* in Lake Tahoe, California, United States.

**Arslan, N. O.**, & Luo, X. (2023). Anodic-centered triphasic pulses may improve pitch perception in cochlear implant users.

Poster presented at the 2023 Arizona State University Institute for Social Science Research Graduate Student Poster Contest in Tempe, Arizona, United States.

**Arslan, N. O.**, & Luo, X. (2022). Neural health measures are correlated with place pitch sensitivity of cochlear implant users.

Poster presented at the 2022 Arizona State University Institute for Social Science Research Graduate Student Poster Contest in Tempe, Arizona, United States.

## **TEACHING EXPERIENCE**

#### **Course Instructor**

Fall 2025 SLP 510/AUD 616: Introduction to Research Design

#### **Teaching Assistantships**

Spring 2024 SHS 555: Cochlear Implants

Fall 2023 SHS 311: Hearing Science

SHS 375: Speech Science

SHS 401: Principles of Audiology

Spring 2023 SHS 555: Cochlear Implants
Fall 2022 SHS 401: Principles of Audiology

SHS 310: Anatomical and Physiological Bases of Speech

Spring 2022 SHS 205: Exploring Communication Disorders in Children and Adults

SHS 311: Hearing Science

SHS 401: Principles of Audiology

Fall 2021 SHS 311: Hearing Science

SHS 375: Speech Science

SHS 310: Anatomical and Physiological Bases of Speech

Spring 2021 SHS 485: Acquired Speech and Language Disorders

Fall 2020 SHS 310: Anatomical and Physiological Bases of Speech

SHS 401: Principles of Audiology

**Guest Lectures** 

Spring 2023 Topic: Speech Coding Strategies

SHS 555: Cochlear Implants

Fall 2022 Topic: Ototoxicity and Pharmacology

SHS 520: Auditory Pathologies/Disorders and Otoneurologic Applications

## **AWARDS, FELLOWSHIPS, GRANTS**

2025	<b>Graduate Student Poster Award</b> issued by the College of Health Solutions, Arizona State University
2025	<b>Graduate College Travel Award</b> issued by the Graduate College, Arizona State University
2024	Completion Fellowship issued by the Graduate College, Arizona State University
2024	<b>Ph.D. Scholarship</b> issued by the Council of Academic Programs in Communication Sciences and Disorders
2024	<b>Graduate Student Travel Award</b> issued by the College of Health Solutions, Arizona State University
2023	CIAP2023 Student Aid Award issued by the Conference on Implantable Auditory Prostheses

2023	Graduate College Travel Award issued by the Graduate College, Arizona State University
2023	<b>Graduate Student Travel Award</b> issued by the College of Health Solutions, Arizona State University
2023	<b>Travel Grant</b> issued by the Graduate and Professional Student Association, Arizona State University
2022	<b>The New Century Scholars Doctoral Scholarship</b> issued by the American Speech- Language-Hearing Foundation
2022	The Outstanding Speech and Hearing Ph.D. Student in Research Award and Scholarship issued by the College of Health Solutions, Arizona State University
2022	Honorable Mention in the Completed Category, Graduate Student Poster Competition issued by the Institute for Social Science Research, Arizona State University
2022	<b>ARO Midwinter Meeting Travel Award</b> issued by the Association for Research in Otolaryngology
2017 – 2019	<b>Research Grant</b> , <b>Marmara University</b> , "Assessment of sound quality perception in native- Turkish speaking adult cochlear implant users through TR-MUSHRA."
2016	Erasmus+ Traineeships issued by the European Commission
2015 – 2017	Academic Achievement Scholarship issued by Bezmialem Vakif University

## **SERVICE**

2023 – 2024	<b>Ph.D. Student Representative</b> , Speech and Hearing Science Ph.D. Committee, Arizona State University
2023	Student Volunteer, Conference on Implantable Auditory Prostheses 2023
2023	Ad-Hoc Reviewer, Frontiers in Neuroscience
2022	Promoting Volunteer, Arizona Walk4Hearing Event, Hearing Loss Association of America

## **TECHNICAL SKILLS**

Web Development Languages: PHP, Python, Java

Web Technologies: HTML, CSS

Data AnalysisLanguages: R, Python, MATLAB

Tools: SPSS

Signal Processing and Analysis Languages: MATLAB, Python

Tools: Bionic Ear Data Collection System (BEDCS), Praat, Audacity,

**Adobe Audition**