

Rana A. Alkhamra, Ph.D., CCC-SLP
Associate Professor

Curriculum Vitae

Personal Information

Nationality: Jordanian

Information: Associate Professor

Department of hearing and speech sciences

School of Rehabilitation Sciences

The University of Jordan

Amman/Jordan

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Education

- Ph.D. in Audiology and Speech Sciences, Michigan State University (MSU), 2010
Department of Communicative Sciences and Disorders Emphasis: Rehabilitation of children and adults with communication disorders including those with hearing loss using cochlear implants/ hearing aids
 - Cognate area: Families and child development
- M.A. in Speech Therapy, University of Jordan (UJ), 2001
 - Department of Hearing and Speech Sciences
 - Emphasis: Speech-Language Pathology.
- BA, Yarmouk University
 - Department of Arts
 - Emphasis: English Language and Literature

Qualifications

2009 – Present

Certificate of Clinical Competence in
Speech-Language Pathology (CCC-SLP)
from the American Speech-Language
Hearing Association- USA

2014 - Present

Clinical Certification in Speech Therapy
from The Ministry of Health - Jordan

Work and Training Experience

Work Experience

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|-------------------|---|
| Since 2016 | Associate Professor Department of Hearing and Speech Sciences Faculty of Rehabilitation Sciences The University of Jordan |
| 2011 –2013 | Head of Speech and Hearing Sciences Department Faculty of Rehabilitation Sciences The University of Jordan |
| 2010 –2015 | Assistant Professor Speech and Hearing Sciences Department Faculty of Rehabilitation Sciences The University of Jordan |
| 2011-2019 | Screening and assessing patients with speech disorders Speech clinic at the Ear, Nose and Throat clinic Jordan University Hospital |

Training Experience

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|------------------|--|
| 2005-2010 | Trainee- Clinical based settings Assessment and treatment of children with cochlear implants The University of Michigan’s cochlear implant program and Children’s Memorial Hospital / Chicago - USA |
| 2006-2008 | Trainee - School based settings Assessment and treatment of children with communication disorders School settings Michigan School Districts- USA |

Professional Commitments

At the University Level

- Head of Quality Assurance Committee - Department of Hearing and Speech Sciences
- Head of Comprehensive Exam Committee– Department of Hearing and Speech Sciences Graduate Program
- Head of Graduate Students Advising Committee – Department of Hearing and Speech Sciences
- Member of the Graduate Studies Committee - Department of Hearing and Speech Sciences

- Representative of the Department of Hearing and Speech Sciences in the Faculty of Rehabilitation Sciences Council
- Member of the Scientific Research Committee – School of Rehabilitation Sciences
- Member of Student Affairs Committee – School of Rehabilitation Sciences
- Member of the Planning Committee for the New Rehabilitation Early Intervention Diploma Program.
- Representative of School of Rehabilitation Sciences in the University of Jordan Council

At the National Level

- Member of the Speech Therapy Certification Committee at the Ministry of Health in Jordan.
- Member of the Jordanian psychological Association
- Consultant for Seeds of Hope Center for Training and Inclusion of Children with Communication Disorders – Jordan
- Consultant for Almasar Child Development Center for Assessing and Training Children with Communication Disorders – Jordan
- Founder of the Facebook group "Hearing Loss and Cochlear Implant in Jordan," established in 2011.

At the International Level

- Member of the American Speech-Language Hearing Association (ASHA).
- Member of Alexander Graham Bell Association for the Deaf and Hard of Hearing (AG Bell).
- Member of the editorial board for Plos One Journal.
- Reviewer for several international journals including:
 - Journal of Speech, Language and Hearing
 - Journal of Humanities and Social Science Communication
 - Plos One Journal

Other international contributions:

- 2023: Alexander Graham Bell (AG Bell) Association of the Deaf and Hard of Hearing Symposium global symposium ambassador.
- 2022: Alexander Graham Bell (AG Bell) Association of the Deaf and Hard of Hearing Symposium global symposium ambassador.
- 2014: Evaluating the “Bachelor Of Science in Speech and Language Therapy” program in Oman upon request from Sultanate of Oman Ministry of Higher Education (Department of Programs Supervision).
- 2013: Evaluating the study plan of minor in speech disorders as part of a special education program in Al-Iman University in KSA.

Research Interest

- Evaluation and assessment in speech therapy
- Improving rehabilitation services to children with communication disorders
- Inclusive speech services for children with communication disorders in school settings.

- Knowledge, attitudes, and practices for children with communication disorders with special interest in hearing impaired children with cochlear implants.
- Telepractice in speech therapy

Research Projects

1. “Standardization of language comprehension test for Jordanian Children”

Funded by The Deanship of Academic Research: The University of Jordan – Amman Jordan, July 2013 – January 2015

Role: Principal Investigator

Duties: - Translation and cross cultural validation

- Training of data collectors
- Piloting
- Data cleaning and Data analysis
- Submission of Final report
- Participation in manuscript preparation

2. “Developing and standardizing an Arabic phonological processing test for children age 4-7 yrs”

- Funded by The Deanship of Academic Research: The University of Jordan – Amman Jordan, October 2017 – January 2024.
- The project was also approved for funding by the Higher Council of Science and Research in 2019.

Role: Principal Investigator

Duties: **Developing test items and a survey**

- Recruitment coordinator
- Training of data collectors
- Data analysis
- Submission of Final report
- Participation in manuscript preparation

Published Research

1. Alkhamra, R., Bani Hani, H., Al-Jazi, A., & Alkhamra, H. The Arabic-Phonological Processing Test (A-PPT): Development, validity, and reliability. *Speech, Language and Hearing. Speech, Language and Hearing*.
2. Alkhamra, R., Bani Hani, H., & Al Omari, H. Reliability and validity assessment of a survey: Measuring satisfaction with cochlear implant rehabilitation services for children in Jordan *Plos One*, 17(12).
3. Alkhamra, R., & Alkhamra, H. (2023). Assessing school readiness in children with cochlear implants using an Arabic language-based test. *Speech, Language and Hearing*, 1-13.

4. Bani Hani, H. A., Aljazi, A. B., Alkhamra, R., & Alomari, H. M. (2023). Speech-language pathologists' perception of telepractice at the start of the COVID-19 pandemic in Jordan. *Communication Disorders Quarterly*, 15257401231185306.
5. Abu-Dahab, S., Alkhamra, R. A., Alkhamra, H. A., & Crowe, T. K. (2022). Current occupational therapy services for children with autism spectrum disorder in Jordan: A step toward service enhancement. *Education & Training in Autism & Developmental Disabilities*, 57(2).
6. Bani Hani, H., Alkhamra, R., Alomari, H., Aljazi, A., & Jalali-Kushki, Y. (2022). Phonological awareness in Arabic among early grade teachers. *International Journal of Arabic-English Studies (IJAES)*, 22(2).
7. Alabdallat, B., Alkhamra, H., & Alkhamra, R. (2021, December). Special education and general education teacher perceptions of collaborative teaching responsibilities and attitudes towards an inclusive environment in Jordan. In *Frontiers in Education* (Vol. 6, p. 739384). Frontiers Media SA.
8. Alkhamra, R. A., & Abu-Dahab, S. M. (2020). Sensory processing disorders in children with hearing impairment: Implications for multidisciplinary approach and early intervention. *International Journal of Pediatric Otorhinolaryngology*, 136, 110154.
9. Alkhamra, R. A., & Al-Jazi, A. B. (2016). Validity and reliability of the Arabic Token Test for children. *International journal of language & communication disorders*, 51(2), 183-191.
10. Alkhamra, R. A. (2015). Cochlear implants in children implanted in Jordan: A parental overview. *International journal of pediatric otorhinolaryngology*, 79(7), 1049-1054.
11. Aljazi, A., & Alkhamra, R. (2015). Prevalence of speech disorders in elementary school students in Jordan. *Journal of Education*, 136(2)
12. Mahmoud, H., Aljazi, A., & Alkhamra, R. (2014). A study of public awareness of speech-language pathology in Amman. *College Student Journal*, 48(3), 495-510.
13. Alkhamra, R. A. (2010). *Cognitive effort and perception of speech by postlingually deafened adult user of cochlear implants*. Michigan State University.

Conferences and Workshops

1. May-2023: 9th Arab Hearing Health (AHH) Conference. "The development of the Arabic- phonological processing test (APPT) and its validity and reliability. Keminski Hotel, Amman. **(Speaker)**
2. May-2022: 8th Arab Hearing Health (AHH) Conference. "Children with cochlear implants in Jordan: Are they ready for school?" Keminski Hotel, Amman. **(Speaker)**
3. June-2022: The School of Rehabilitation Scientific and Alumni Day. Supervising graduate students' project "The story of an Arabic speaking child with hearing loss reflecting on his hearing aid experience: A creativity project outcome" presented in July 2021.
4. July 2021, I served as a speaker for the "Telepractice: Clinical Practices through Teletherapy" workshop conducted via the Zoom conferencing platform. During the session, I specifically addressed "Mistakes to Avoid in Teletherapy." **(Speaker)**

5. May 2019: “School performance in cochlear implant children in Jordan” a poster presented in the scientific day at the School of Rehabilitation Sciences 2019; University of Jordan. **(Speaker)**
6. April 2018: The Scientific Day at the School of Rehabilitation sciences. The University of Jordan. "Satisfaction of parents of children with communication disorders about rehabilitation services"; Author Rana Alkhamra. **(Speaker)**
7. June 2018: The "29th Congress of Union of the European Phoniaticians"; Helsinki, Finland. "Exploring Family Early Interactive Literacy Practices"; Author Rana Alkhamra; Co-Author Hana Mahmoud & Jehad Al-Araifi . Affiliations: The University of Jordan. **(Speaker)**
8. January 2016: “Cochlear implants aural rehabilitation in Jordan”, in the first MENA regional rehabilitation workshop by Advanced Bionics- at Regency Hotel Amman (22-23rd of 2016). **(Speaker)**
9. 2015: “School services provided to children with hearing loss and cochlear implants in Amman/ Jordan” in the first MENA regional rehabilitation workshop by Advanced Bionics- at Regency Hotel Amman (22-23rd of January 2015). **(Speaker)**
10. 2014: “Prevalence of language and Speech Disorders in Al-Salt Schools: Madrasati initiative”, in the 7th Science day, Faculty of Rehabilitative Sciences, University of Jordan “. **Joint -Speaker**
11. 2014: “Training tools in aural rehabilitation for children with cochlear implants”. Cochlear Corporation convention and training workshop. Amman-Jordan “ Le Royal Hotel”. **(Speaker)**
12. 2013: “Cochlear implants in Jordan: a parental perspective”, in Cochlear Corporation convention and training workshop. Amman-Jordan. **(Speaker)**
13. 2011: “Cognitive effort and Perception of Speech Adult Cochlear Implant User: A Survey" in the Conference on Implantable Auditory Prostheses, Pacific Grove, California. **Poster presenter**
14. 2011: “Cognitive effort in adults with cochlear implants: *an experimental study*” in the 4th Science day, Faculty of Rehabilitative Sciences, University of Jordan “. **(Speaker)**

Taught courses

1. The University of Jordan (2010-Present)

Courses Taught:

- **Studies in child language Development.** 3 credit hour course – obligatory course for 1st year graduate students
- **Speech clinical practicum.** 2-4 credit hours of 200 clinical hours practice, 2nd year graduate students
- **Studies in language disorders.** 3 credit hour course – obligatory course for 1st year graduate students
- **Studies in speech sounds disorders.** 3 credit hour course – obligatory course for 1st year graduate students
- **Studies in aural rehabilitation.** 3 credit hour course – obligatory course for 1st year graduate students
- **Aural rehabilitation.** 3 credit hour course – 2 theory hours and 1 practical hour, 4th year undergraduate students
- **Research methods in rehabilitation sciences.** 3 credit hour course – School obligatory course for 1st year undergraduate students (all departments)

- **Special topic in speech therapy.** 3 credit hour course – School obligatory course for 1st year undergraduate students.
 - **Hearing loss in children.** 3 credit hour course – School obligatory course for 1st year undergraduate students.
2. March 2020- Present online teaching and supervising experience in clinical practicum and theory courses
 3. 2006-2008 Teaching Introduction to Communication Disorders. Michigan State University.

National & International community service

National:

- 2023, Screening SOS children for speech and language problems
- 2022, Screening Seniors in Darat Samir Shamma for the Elderly for communication disorders
- 2020-present Public universities representative in the Speech Therapy Certification Committee at the Ministry of Health-Jordan.
- 2018- present; Developing and supervising the national project “ Arabic phonological processing assessment test” that targets early identification of children at risk of developing literacy problems
- 2014-2019; Screening school age children for communication disorders
- 2014-present; Awareness presentations to public and private school teachers about communication disorders
- 2017-2018 community service at the University of Jordan Hospital in assessing and counseling patients insured by the “Ministry of Health”
- 2013: Participating in her majesty Queen Rania Al-Abdullah Madrasati initiative through a wide screening project targeting the school system in Al-Salt district. The goal from the screening is estimating the need for students for speech therapy and evaluating level of knowledge of teachers about speech therapy.
- 2014: Participating in evaluating the “Speech and Language Disorders” at the Jordan University of Science Technology upon request from the “Higher Education Accreditation Commission”.
- 2010; 2014: Interviews on Jordan Television and Radio Station about types of communication disorders and speech and language therapy issues.
- 2013- Present: Administrator of “Cochlear implant in Jordan” group on facebook <https://www.facebook.com/groups/CI.Jordan> .
- Presenting speaks in schools and organizations at the national level about different speech and language disorders.

Grants

- Arabic Phonological Processing Test for children age 4-7 yrs (2018).The Deanship of Academic Research(DAR), the University of Jordan (11000 JD)
- Validity and reliability of the Arabic Token Test for children (2012). The Deanship of Academic Research (DAR), the University of Jordan (5000JD).

Qualifications

- Excellent command of English, both spoken & written.
- Strong background in Microsoft Office.
- Strong background in internet usage and tele-teaching and tele-training
- Excellent skills in research coordination, data collection, data management, data analysis.

Personal Merits

- Self-motivated, and ability to work individually and within a team.
- Strong supervising skills.
- Outstanding organizational skills with strong attention to details.
- Very good communication skills.