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Shalini Arehole  
Department of Communication Disorders  
University of Louisiana at Lafayette  
P.O. Box 43170,  
Lafayette, LA 70504-3170  
(318) 482-6723  
Fax # 318-482-6195  
Email [Shalini@louisiana.edu](mailto:Shalini@louisiana.edu)

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## PUBLICATIONS

- Arehole, S.** (Accepted). Prevention of Hearing Disorders. In J.S. Damico & M.J. Ball (Ed.), *The SAGE Encyclopedia of Human Communication and Disorders*.
- Arehole, S.** (2010). The effect of task difficulty on the P300 response in children with learning disabilities. *Journal of the Indian Institute of Speech and Hearing*, Vol. 28, 156-162 .
- Rigo, T. G., & **Arehole, S.** (2003). Identification and assessment of hearing-impaired infants and toddlers. In F. Billeaud (Ed), *Communication disorders in infants and toddlers: Assessment and management*, 3<sup>rd</sup> Edition. St. Louis, Missouri: Butterworth-Heinemann Publishers.
- Arehole, S.** (2002). *A Handbook of Auditory Training for the Parents of Children with Hearing Loss*. Karnataka: Kalpataru Publishers.
- Arehole, S.** (2002). Correlation of static admittance from right and left ear of normal listeners. *American Auditory Society Bulletin*, Vol.27(2), 93-94.
- Arehole, S.** (2002). Objective assessment of central auditory processing disorder. *Journal of Indian Speech and Hearing Association* , Vol.23, 34-38.
- Arehole, S.**, & Rigo, T.G. (1999). Auditory evoked potentials in low-achieving gifted adolescents. *Roeper Review*, Vol. 22 (1), 51-56.
- Rigo, T.G., **Arehole, S.** & Hayes, P.A. (1998). Central auditory processing abilities of low-achieving gifted adolescents. *Journal of Secondary Gifted Education*. Vol. 10(1), 217-225.
- Arehole, S.** (1998). Clarification: Masking level differences with GSI-10 audiometer. *American Journal of Audiology*, Vol.7(1), 47-48.

- Rigo, T. G., & **Arehole, S.** (1998). Identification and assessment of hearing-impaired infants and toddlers. In F. Billeaud (Ed), *Communication disorders in infants and toddlers: Assessment and management*. Reading, MA: Andover Medical Publishers.
- Rigo, T.G., **Arehole, S.** and Myers, T. (1996). Cerumen management and audiology practice: Attitudes among otolaryngologists and Audiologists. *National Student's Speech, Language and Hearing Journal*, Vol.23, 28-34.
- Arehole, S.** (1995). A preliminary study of the relationship between long latency response and learning disorder. *British Journal of Audiology*, Vol 29 (6), 295-298 .
- Arehole, S.** (1995). Masking level difference in normals using GSI-10 audiometer. *American Auditory Society Bulletin*, Vol.20(2), 100-101.
- Arehole, S.**, Augustine, L.E. and Simhadri, R. (1994). Middle latency responses in learning disabled children. *Journal of Communication Disorders*, Vol. 28, 21-38.
- Salvi, R.J., Saunders, S.S., Gratton, M.A., **Arehole, S.** and Powers, N. (1990). Enhanced evoked response amplitudes in the inferior colliculus of the chinchilla following acoustic trauma. *Hearing Research*, Vol. 50, 245-258.
- Arehole, S.**, Salvi, R.J., Saunders, S.S. and Gratton, M.A. (1989). Evoked response "forward masking" functions in chinchillas with noise-induced permanent hearing loss. *Audiology*, Vol. 8, 92-110.
- Henderson, D., **Arehole, S.** and Gopal, H.S. (1988). Psycho physical change with sensorineural hearing loss. *Quaderni di Audiologica*, Vol. 4, 80-85.
- Arehole, S.**, Salvi, R.J., Saunders, S.S. and Hamernik, R.P. (1987). Evoked response "forward masking" functions in chinchillas, *Hearing Research*, Vol. 30, 23-32.
- Arehole, S.**, Salvi, R.J., Saunders, S.S. and Henderson, D. (1987). Evoked Response "forward masking" functions in chinchillas with temporary hearing loss, *Hearing Research*, Vol. 27, 193-205.
- Salvi, R.J., Saunders, S.S., Ahroon, W.A., Shivapuja, B.G. and **Arehole, S.** (1986). Psycho physical and physiological aspects of auditory temporal processing in listeners with noise-induced sensorineural hearing loss. In: R.J. Salvi, R.P. Hamernik, D. Henderson and V. Colletti (Eds.), *Noise Induced Hearing Loss: Basic and Applied Aspects* (175-194). Plenum Press: New York.

Salvi, R.J. and **Arehole, S.** (1985). Gap detection in chinchillas with temporary high frequency hearing loss, Journal of Acoustic Society of America, Vol. 77, 1173-1177.

## **SCIENTIFIC PRESENTATIONS & ABSTRACTS - NATIONAL/INTERNATIONAL**

**Arehole, S.** & Oxley, J. (2015). Auditory Skill Assessment in an individual with CHARGE syndrome. A paper to be presented at annual convention of American Speech, Language and Hearing Association, November 12-14, Denver, Colorado.

**Arehole, S.** & Newman, Kayla. (2014). Auditory processing in individuals with learning difficulties. Paper presented at annual convention of American Speech, language and hearing Association, November 18 – 22, Orlando, Florida.

**Arehole, S.,** Roussel, N., Chatman, C. & Comeaux, B. (2012). Differential diagnosis of auditory processing disorder. Paper presented **at** annual convention of American Speech, Language and Hearing Association, November 15 -17, Atlanta, GA.

Badon, L. & **Arehole, S.** (2011). Agenesis of Corpus Callosum: Auditory processing findings in asymptomatic subject. Paper presented **at** annual convention of American Speech, Language and Hearing Association, November 17 -19, San Diego, CA.

Arehole, S. & Andries, J. (2011). Vowel perception in individuals with cochlear implant. Paper presented at annual convention of American Speech, Language and Hearing Association, November 17 -19, San Diego, CA

**Arehole, S.** & Andries, J. (2010). Minimal auditory capabilities in an individual with cochlear implant. Paper presented at annual convention of American Speech, Language and Hearing Association, November 17 – 20, Philadelphia, PA.

Roussel, N., Oxley, J. & **Arehole, S.** (2010). Using EPG With a Cochlear Implant Recipient With CHARGE Syndrome. A paper presented at annual convention of American Speech, Language and Hearing Association, November 17 – 20, Philadelphia, PA.

Badon, L., **Arehole, S.**, Courville, C.,& Delco, B. (2010) Interdisciplinary Assessment Model: A Differential Diagnosis of APD or LD. Paper presented at annual convention of American Speech, Language and Hearing Association, November 17 – 20, Philadelphia, PA.

**Arehole, S.,** Badon, L. & Alexander, S. (2009). A Differential Diagnosis of Auditory Processing Disorder. Paper presented at American Speech Language and Hearing Association, November 16 -

19, New Orleans, LA.

Courville, C.& **Arehole, S.** (2009) Academic Testing Challenges in Children With Cochlear Implant/Hearing Aid” – a paper presented at annual convention of American Speech Language and Hearing Association, November 16 -19, 2009

**Arehole, S.** (2008).Auditory processing and language ability. Paper to be presented at Annual convention of American Academy of Audiology, April 2-5, Charlotte, NC.

Badon, L.C., Oller, J., **Arehole, S.**, O’Connor, K & Taylor, H. (2008). Agenesis of Corpus Callosum – Its impact on Speech and Language Development” – a paper presented at annual convention of American Speech Language and Hearing Association, November 20 -22, Chicago, IL.

**Arehole, S.** & Badon, L. (2007). Evaluation strategies for auditory processing disorder: case studies, Paper presented at Annual convention of American Speech, language and Hearing Convention, Nov. 15 – 17, Boston, MA.

**Arehole, S.** (2006). Recent developments in auditory physiology and plasticity. Invited Lecture, Institute of Speech and Hearing, Bangalore, India, July 19, 2006.

Oller, S., Oller, J., Badon, L. & **Arehole, S.** (2006). Implications of the McGurk Effect for assessment, diagnosis & intervention, A paper presented at annual convention of American Speech, Language and Hearing Association, November, 2006, Miami Beach, FL.

Badon, L., **Arehole, S.**, Johnson, E. & Nico, R. (2006). Case study of Treacher-Collins Syndrome, paper presented at annual convention of American Speech, language & Hearing Association, November, 2006, Miami Beach, FL.

**Arehole, S.** & Badon, L. (2005). Auditory processing disorder- Two case studies. Paper presented at Annual convention of American Speech, Language and Hearing Association, November, 2005, San Diego, CA.

**Arehole, S.** (2005). Temporal processing in low achieving vs high achieving students, Paper presented at Annual convention of American Speech, Language and Hearing Association, November, 2005, San Diego, CA.

**Arehole, S.**, Badon, L. & Key, F. (2004). Relationship between academic achievement and auditory processing disorder. Paper presented at Annual Convention of American Speech, Language and Hearing Association, Nov. 18-20, Philadelphia, PA.

**Arehole, S.** (2004). Advances in Central Auditory Processing Tests. Invited Lecture, Institute of Speech and Hearng, Bangalore, India. July 16, 2004.

**Arehole, S.**, Rigo, T.G. & Badon, L. (2004). P-300 wave morphology in children with learning disability. Presented at Annual meeting of American Auditory Society. March 7-9, Scottsdale, AZ.

Badon, L., **Arehole, S.**, Broussard, L., Key, F. & White, L. (2003). Assessing semantic product feature in narratives of African-American children. Presented at Annual meeting of American Speech-Language-Hearing Association. November 13-15, Chicago, IL.

Key, F., **Arehole, S.**, Badon, L., Broussard, L., & White, L. (2003). Auditory processing abilities of high-achieving students. Accepted for presentation at Annual Biomedical Research Conference for Minority Students. October 15-18, San Diego, CA.

Arehole, S. (2002). Otoacoustic Emissions - Basics and Applications, Invited Lecture, Institute of Speech and Hearing, Bangalore, India.

**Arehole, S.** (2002). Auditory processing in gifted children with learning disability. Presented at Society for Neuroscience Annual Meeting, November 6, 2002, Orlando, Florida.

**Arehole, S.** and Lammons, A. (1998). Correlation of static admittance values from normal right and left ears. *ASHA Leader*, Vol. 3(16), 78.

**Arehole, S.**, Rigo, T.G. and Hayes, P.A. (1997). Auditory evoked responses in gifted adolescents with learning disability. *ASHA Leader*, Vol.2(15), 557.

**Arehole, S.**, Hayes, P.A. Rigo, T.G. (1997) . Auditory processing difficulties in gifted adolescents with learning disorder. AAA annual convention, April 17-20, 1997, Fort Lauderdale, Florida.

Hayes, P.H., Rigo, T.G. and **Arehole, S.** (1997). Central auditory processing deficits in gifted children with learning disabilities. CEC Annual Convention, April 9-13, 1997, Salt Lake City, Utah.

Rigo, T.G., Hayes, P.A. and **Arehole, S.** (1997). Central auditory processing abilities in learning disabled gifted adolescents. Society for Research in Child Development. April 3-6, 1997, Washington D.C.

**Arehole, S.** (1996). Use of electrophysiologic measures in subjects with auditory processing disorder: Case studies. *ASHA Leader*, Vol. 1(16), 1625.

**Arehole, S.**, Rigo, T.G. and Myers, T. (1996). A survey of otolaryngologists' and audiologist' attitude on cerumen management. *ASHA Leader*, Vol.1 (16), 208.

**Arehole, S.** (1996). Effect of task difficulty on P-300 in children with learning disabilities. AAA annual convention, Salt Lake City, Utah, April 20.

Rigo, T.G., **Arehole, S** & Hayes, P.A. (1995). Central auditory processing in gifted learning disabled children, ASHA annual meeting, Orlando, Florida.

**Arehole, S.**, Rigo, T.G & Hayes, P.A. (1995). Central auditory processing in gifted learning disabled children, NAGC annual meeting, Tampa, Florida.

**Arehole, S.** (1994). Behavioral & electrophysiological measures from a child with auditory processing disorder: a case study, ASHA, Vol 36(10), 207.

**Arehole, S.** and Bernard, V.M. (1993). Auditory long latency responses in children with learning disabilities, ASHA, Vol 35 (10), 178.

**Arehole, S.** (1992). Masking level difference in normals using amplitude-modulated noise, ASHA, Vol 34 (10), 120.

**Arehole, S.** (1992). Central auditory processing evaluation: electrophysiological techniques Vs behavioral techniques, Invited lecture, Institute of Speech and Hearing, Bangalore, India.

**Arehole, S.**, Augustine, L.E. and Trahan, H.P. (1990). Middle latency response in children with learning disabilities, American Auditory Society Meeting, Seattle, Washington.

Saunders, S.S., Salvi, R.J., Gratton, M.A. and **Arehole, S.** (1988). Enhanced growth of evoked response amplitude with stimulus level in noise exposed chinchillas, Association of Research in Otolaryngology Meeting, St. Petersburg, Florida.

Henderson, D., **Arehole, S.** and Salvi, R.J. (1987). The relation between hearing level, frequency selectivity and forward masking. Association of Research in Otolaryngology Meeting, St. Petersburg, Florida.

Salvi, R.J., Saunders, S.S., Henderson, D., Shivapuja, B.G. and **Arehole, S.** (1987). Behavioral and Physiological measures of auditory temporal resolution with noise-induced hearing loss, Association of Research in Otolaryngology, St. Petersburg, Florida.

**Arehole, S.**, Salvi, R.J., Saunders, S.S. (1986). Effect of hearing loss on evoked response "forward masking" functions, ASHA, Vol. 28 (10), 142.

**Arehole, S.**, Salvi, R.J., Saunders, S.S. and Henderson, D. (1986). Evoked response "forward masking" functions in hearing impaired chinchillas, J. of Acous. Soc. Amer., Suppl. 1, 79, S49.

**Arehole, S.**, Salvi, R.J., Saunders, S.S. and Hamernik, R.P. (1985). Evoked response recovery functions using "forward masking" paradigm, J. of Acous. Soc. Amer., Suppl. 1, 77, S65.

## STATE AND LOCAL PRESENTATION

**Arehole, S. & Miles, L.** (2012) Listening habits of college students using MP3 players – presented at BSFA annual symposium, March 12, University of Louisiana at Lafayette, LA

**Arehole, S.** (2011). Aural rehabilitation for cochlear implants: Facts and Myths – presented at Annual Convention of Louisiana Speech and Hearing Association, June, Shreveport, LA.

Courville, C & **Arehole, S.** (2010). Academic testing challenges in children with cochlear implant – paper presented at Annual Convention of Louisiana Speech and Hearing Association, June, Lafayette, LA.

Hayes, K & **Arehole, S.** (2009) . Speech and language in a child with cochlear implant – Case Study – Paper presented at annual convention of Louisiana Speech and Hearing Association, June, Lafayette, LA.

Nico, Ruth & **Arehole, S.** (2009) Assessment of Communication in a child with Rhett Syndrome – Case Study – Paper presented at annual convention of Louisiana Speech and Hearing Association. June, Lafayette, LA.

**Arehole, S.** (2007) Relationship between Auditory Processing and Academics. Paper presented at annual convention of Louisiana Speech, language Hearing Association, June 9, Lafayette, Louisiana.

**Arehole, S.** (2002). Basics of Cochlear Implant, Invited talk, Acadiana Speech Pathology Network, Lafayette, Louisiana.

**Arehole, S.** (2000). Auditory processing: Normal Vs Abnormal, Invited talk, Cognitive Science Colloquium Series, University of Louisiana at Lafayette, Lafayette, Louisiana.

**Arehole, S.** (1995). Auditory evoked potentials - a technique to assess auditory processing, Invited Lecture, Cognitive Science Group, University of Southwestern Louisiana, Lafayette, Louisiana.

Bernard, V.M. and **Arehole, S.** (1993). Effect of stimulus rate on middle latency response, LSHA 1993 annual conference, Lake Charles, Louisiana.

**Arehole, S.** (1993). Audiologic evaluation and counseling procedures. Invited Talk, Seratoma Club, Lafayette, Louisiana.

**Arehole, S.** (1991). Masking level difference in normals using audiometer GSI-10, LSHA 1991 annual conference, New Orleans, Louisiana.

**Arehole, S.** (1990). Multicultural issues/minority experiences in majority settings-member of panel discussion in First Annual Minority Student Speech, Language and Hearing Professional Seminar, University of Southwestern Louisiana.

**UNDER GRADUATE RESEARCH MENTOR:**

Mentor for following McNair Scholarship recipients, McNair Research Program:

Kayla Newman (2014-15). Effectiveness of sign language versus auditory-oral method in academic achievements.

Shanece Solomon (2013-2014). The efficacy of ABA therapy on children with autism.

Bobbi Comeaux (2012-2013). Hearing assessment in clients with Wernicke's Aphasia

Cayla Chatman (2012-2013). Neonatal swallowing disorders.

Brooks Malbrough (2010-2011). Agenesis of the corpus callosum: Auditory processing findings in a symptomatic subject.

Latesha Miles (2009-2010). Listening habits of college students: Influence of portable Media Players.

Ruth Nico (2008-2009). Assessment of communication in a child with Rhetts Syndrome.

Stephanie Alexander (2007-2009). A differential diagnosis of auditory processing disorder.

Falin Key (2003-2004). Auditory processing abilities of high achieving students.

Laverne Thompson (2000-2001). Differential diagnosis of ADD versus auditory processing disorder.

Committee member, undergraduate research thesis:

Matthew Parrera (2010). A solution for reducing noise induced hearing loss

Participated in University Mentorship Program – Mentored a student by name Nuo Sujiath



## **OTHER PROFESSIONAL ACTIVITIES**

Board Member, Louisiana Speech and Hearing Association, 2008 -2011

Reviewer, Book titled “Basic Foundations in Hearing Science”

Session Chair, ASHA legislative councilors and the Louisiana Board of Examiners for Speech Pathology and Audiology Meeting, Lafayette, LA, October 18, 1999.

Reviewer, Book titled “Audiology and Communication Disorders: A Survey” by Humes and Bess

Reviewer, Summer Research Award, 1998

Reviewer, Endowed Professorship Award, 2004, 2007

Reviewer, Minigrant for Faculty Development, 1994, 1996

Internal Reviewer, LEQSF Grant, 1995

## **HONORS AND RECOGNITION**

Outstanding Undergraduate Research Mentor, University of Louisiana at Lafayette, 2013-2014

Awarded, Honors of the Association, Louisiana Speech-Language-hearing Association (2013)

Member, Honor Society of Phi Kappa Phi ((2011)

Awarded, Certificate of appreciation “Outstanding contributions to the academic achievement and personal growth of students” by University of Louisiana, National Panhellenic Council. (2011).

Received “Outstanding Professor in Communicative Disorders” Award (Spring 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011 & 2012) CODI Honors Society.

Received “Departmental Excellence through Faculty Excellence Award” (Fall 2000), Board of Regents Fund.

Featured in a professional article, March 1997 issue of “Advance Magazine” a weekly periodical distributed to about 50,000 practitioners world wide.

New test procedures available at USL Speech, Language and Hearing Center due to equipment funding sought by Arehole et al. was featured in the evening news by “KLFY” television station, “The Daily Advertiser” news paper, February 1996 and “The Advocate” news paper, May 1996.

Featured faculty in the academics section of “1995 L’Acadien”

## **GRANTS WRITTEN**

Co-Investigator, “Improving assessment capabilities of students in Music Major”, STEP Grant, The University of Louisiana at Lafayette (2010) – Awarded, \$ 5000.

Principal Investigator, “The use of videotapes to teach physiology of speech mechanism “Instructional Improvement Mini-Grant, The University of Louisiana at Lafayette (1999) - Awarded, \$500.

Principal Investigator, “Fund request for acquisition of a Diagnostic Audiometer” Scientific Equipment Fund, The University of Southwestern Louisiana, (1999) - Awarded, \$14,250.

Principal Investigator, "Enhancing recording capabilities of Nicolet CA 2000". Research Equipment Fund, University of Southwestern Louisiana, (1995) - Awarded, \$2000.00

Principal Investigator, "A proposal to enhance infant hearing screening and assessment capabilities in the USL Speech, Language and Hearing Center". Louisiana Education Quality Support Fund (1994) - Awarded, \$61,000.00

Principal Investigator, "Cortical Auditory Evoked Potentials in Children with Learning Disabilities". Faculty Research Award, University of Southwestern Louisiana, (1992) - Awarded, \$1000.00.

Co-investigator, "Enhancement of the Audiology Program in the Department of Communicative Disorders". Louisiana Education Quality Support Fund (1990) - Awarded, \$50,626.00.

Principal Investigator, " Middle Latency Response in Children with Learning Disabilities". Faculty Research Award, University of Southwestern Louisiana, (1988) - Awarded, \$1000.00.

## **Continuing Education**

Engaged Student Learning, by Vincent Tinto, University of Louisiana at Lafayette, March, 2015

Increasing student success with active teaching and learning- presented by Cengage Team UP Workshops, University of Louisiana at Lafayette, LA, March 29, 2011

Hearing Health Resource Form, Workshop organized by Sertoma Breakfast Club, Lafayette, LA, November 12, 2010, February, 24, 2012.

Identification and Management of Hearing loss in Infants and Children by Barbara Cone-Wesson, Ph.d. – Workshop organized by Center for Oto-Neurology, St. Joseph’s Hospital, Savannah, Georgia, April 13-14, 2007.

Helping children with auditory processing disorders by Jay Lucker, Ed.D. – a workshop organized by Medical Education Services Inc., held at Baton Rouge, LA on April 25, 2007

Identification and treatment of central auditory processing disorders by Eva Saffer, Ph.D. – Workshop organized by Louisiana Speech-Language and Hearing Association, held at Lafayette, LA on June 8, 2007.

## **SERVICES**

### UNIVERSITY/DEPARTMENTAL

#### Current

Senator, faculty Senate, University of Louisiana at Lafayette  
Chair, CODI Scholarship Committee

#### Past

Faculty Advisor, National student speech-language-hearing association.  
Search Committee, University College Dean  
Member, University Grade Appeals Committee  
Member, CODI Comprehensive Examination Review Committee  
Member, Freshman Seminar Committee  
Member, Graduate Appeals Committee  
Member, Summer Research Peer Review Committee  
Member, QSN Committee for Speech Pathology Position  
Chair, Animal Care and Use Committee  
Member, Animal Care and Use Committee  
Member, SGA Child Development Center Advisory Board Committee  
Member, USL student Financial Aid Committee  
Member, Equal Employment Opportunity Committee  
Member, Institutional Review Board Committee  
Member, University Concerts Committee  
Chair, Faculty Tenure Committee  
Chair, Faculty Promotion Committee  
Member, Faculty Promotion Committee  
Member, CODI Continuing Education Committee  
Member, CODI Curriculum Committee  
Member, Search Committee for Department Head Position

## **PROFESSIONAL CREDENTIALS AND MEMBERSHIPS**

Certificate of Clinical Competency, Audiology, American Speech-Language-Hearing Association.

Full License, Audiology, Louisiana Board of Examiners for Speech Pathology and Audiology.

Member, American Speech-Language-Hearing Association.

Member, American Auditory Society.

Fellow & Member, American Academy of Audiology.