**ANNUAL REPORT 2020-21**

**RESEARCH**

The institute promotes research related to communication and its disorders. Special emphasis is given toclinically relevant applied research on causes, control and prevention of communication disorders, assessment and treatment issues as well as the testing and refinement of new technologies for the speech and hearing impairment. Major research activities carried out at the institute during the reporting year are given below.

**Funded Research Projects**

The research projects include extramural and those funded by the institute from the AIISH Research Fund (ARF). Extramural research projects were funded by the Government of India funding agencies, the Department of Science and Technology (DST), the international funding agency, UK Research and Innovation (UKRI), United Nation Global Partnership for Assistive Technology.

**Completed Projects**

Sixty research projects worth **Rs. 278.71 lakhs** were successfully completed during the reporting year funded by AIISH.

**AIISH Funded Research**

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| **Sl.**  **No.** | **Topic** | **Investigators** | **Amount in lakhs** |
|  | Optimizing the response filter setting for acquisition of ocular vestibular evoked myogenic potential elicited by air-conduction tone bursts of 500Hz | Dr. Niraj Kumar Singh & Dr. Animesh Barman | 4.03 |
|  | Is acceptance noise level a deciding factor of tinnitus management using hearing aids? | Dr. Hemanth, N., Dr. Jijo. P.M.& Dr. Vijay Kumar Narne | 4.03 |
|  | Evaluation of digital signal processing features in hearing aids with ear to ear synchronization | Dr. Geetha C. &  Mr. Kishore Tanniru | 4.03 |
|  | Relationship between behavioural measures and aided cortical potential responses in children with hearing impairment (6 months to 5 years) | Dr. Prawin Kumar &  Ms. C Geetha | 4.03 |
|  | Effectiveness of CBAT in children with CAPD-evidences from electrophysiology study | Dr. Prawin Kumar &  Dr. Niraj Kumar Singh | 5.83 |
|  | Relationship between envelop difference index (EDI) and speech perception with noise reduction strategies in hearing aids | Ms. Geetha C. &  Dr. Hemanth, N | 4.33 |
|  | Effectiveness of SNR-50 and SNR Loss in hearing aid evaluation | Dr. P Manjula&  Ms. Megha | 4.33 |
|  | Bithermal caloric test and video impulse test for the assessment of unilateral vestibular pathologies | Dr. Niraj Kumar Singh & Dr. Rajeshwari G | 4.33 |
|  | Neural correlates of perceptual learning of non-native speech sound contrast | Dr. Ajith Kumar U. &  Dr. Santosh M | 4.33 |
|  | Noise mapping of mysuru city with additional funding | Dr. Sreeraj K. &  Ms. Suma Chatni | 6.70 |
|  | Within and across temporal resolution abilities in individuals with normal hearing, sensorineural hearing loss and auditory neuropathy spectrum disorders | Dr. Animesh Barman | 4.33 |
|  | Effect of auditory deprivation on some aspects of temporal processing and speech perception abilities | Dr. Sandeep M. &  Ms. Chandni Jain | 4.33 |
|  | Audiological and vestibular assessment in persons with osteoporosis and osteopenia | Dr. Prawin Kumar&  Dr. Raghunandana S | 4.93 |
|  | Contributory factors of hearing handicap in individuals with sensorineural hearing loss and auditory neuropathy spectrum disorder (ANSD) | Dr. Ajith Kumar U. & Dr. Hemanth N | 4.93 |
|  | Development of low frequency range word lists in Malayalam | Mr. Prashanth Prabhu & Mr. Jithin Raj B. | 4.93 |
|  | Effect of cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential | Mr. Sachchidanand Sinha, Dr.Niraj Kumar Singh, Mr. Nirnay Kumar Keshree & Dr. Shenal Kothari | 4.93 |
|  | Exploring real world hearing aid usage and outcome: current Indian scenario | Dr. P. Manjula | 4.93 |
|  | Effect of spatial noise on speech identification | Dr. Asha Yathiraj | 4.93 |
|  | Relationship between hearing aid benefit and auditory processing abilities in elderly individuals with hearing impairment | Dr. Geetha C. &  Dr. Chandni Jain | 5.05 |
|  | Auditory processing in children with speech sound disorders | Dr. Chandni Jain &  Ms. Priya M.B. | 5.05 |
|  | Speech identification in the non-aided ear in monaural hearing aid users | Dr. Asha Yathiraj | 4.93 |
|  | Development of AIISH hyperacusis assessment toolbox for individuals with tinnitus associated with hyperacusis | Dr. Prashanth Prabhu P. | 4.93 |
|  | Development of a cost effective configuration for optimal quality recording for speech analysis | Dr. Ajish K Abraham | 4.93 |
|  | Effect of canal widening (Type I Tympanoplasty) on hearing sensitivity | Dr. T.K Prakash,  Dr. H. Sundara Raju  & Ms. Devi N. | 4.99 |
|  | Database on communication disorders published in India | Dr. Shijith Kumar C.,  Mr. Nanjunda Swamy M. & Mr. Nandeesha B | 4.20 |
|  | Development of toy usage index for children with developmental disabilities | Dr. S Venkatesan | 3.01 |
|  | Development of a grade level assessment tool in social science (GLAT-SS) of Karnataka state education board | Dr. Palnaty Vijetha &  Dr. Alok Kumar Upadhyay | 3.85 |
|  | Efficacy of developing skills through curricular activities among preschool children with hearing impairment at AIISH | Dr. Alok Kumar Upadhyay &  Dr. Palnaty Vijetha | 3.80 |
|  | Efficacy of self learning adapted social studies lessons in kannada and telugu and children with hearing impairment at secondary school level | Dr. Palnaty Vijetha, Dr. G Malar, Mr. Rajkumar R & Ms. Leelarani S.B. | 3.25 |
|  | AIISH survey of fluency disorders | Dr. Y.V Geetha & Ms. Sangeetha Mahesh | 4.03 |
|  | Status report of speech and hearing professionals graduated from AIISH – national and global scenario | Dr. S. Ramkumar &  Dr. S.P Goswami | 4.50 |
|  | Development and validation of pragmatic skill checklist in children with autism spectrum disorder | Dr. K.C Shyamala | 4.03 |
|  | Development and validation of video manual for different management techniques in children with autism spectrum disorders | Dr. Shyamala K.C | 4.03 |
|  | Development and validation of a computerized screening tool for infant cry | Dr. N. Sreedevi, Dr. Jayashree C. Shanbal & Mr. Arunraj K. | 4.43 |
|  | Validation of feeding handicap index in children with intellectual disability and autism spectrum disorders | Dr. N. Swapna | 4.03 |
|  | Nature of non-explicit declarative and procedural memory systems in pre-adolescents with specific language impairment: examining the post scripts of procedural deficit hypothesis | Mr. Kuppuraj S. & Dr. K.S Prema | 4.03 |
|  | Lexical semantic processing in persons with aphasia: correlational study of psycholinguistic and neurolinguistic measures | Mr. Abhishek B.P. &  Dr. K.S Prema | 4.03 |
|  | Genetic insights of cerebral palsy using massively parallel sequencing | Dr. N. Sreedevi,  Dr. N Swapna &  Dr. Srinivas Kovalli | 6.31 |
|  | Effect of noise and noise reduction technique on speaker identification | Dr. Hema N. | 4.33 |
|  | Development and standardization of an oral sensorimotor evaluation protocol for children (OSEP-C) | Dr. N. Swapna | 4.33 |
|  | Lexical processing in type 2 diabetes | Dr. Rajasudhakar R | 4.93 |
|  | Development of severity rating scale for children with autism spectrum disorders | Dr. K.C. Shyamala | 4.93 |
|  | Validation of nasality severity index | Dr. Navya A. &  Dr. Pushpavathi M. | 4.93 |
|  | Phonological encoding in children with stuttering | Dr. Sangeetha Mahesh  & Ms. M.P Geetha | 4.93 |
|  | Behavioral and electrophysiological correlates (N400) of lexical and phonological access in children with stuttering | Dr. M. Santosh & Dr. M Sandeep | 4.93 |
|  | An adaptation of bankson language screening test in hindi (BLST-H) | Dr. Brajesh Priyadarsi & Dr. S.P Goswami | 4.93 |
|  | An adaptation of early reading skills (ERS) in Malayalam (ERS-M) | Dr. Brajesh Priyadarsi & Ms. Gayathri Krishnan | 4.93 |
|  | A descriptive study on the video-fluroscopic measures of neurogenic dysphagia in patients with stroke and motor neuron disease | Dr. S P Goswami,  Dr. Muralidharan Nair,  Dr. Sylaja, Ms. Gayathri Krishnan & Ms. Manju Mohan | 4.93 |
|  | A pre-post comparison of vocal loading using infrared thermography in phono-normals | Dr. R Rajasudhakar | 5.03 |
|  | TOLD-H: An adaptation of TOLD | Dr. Brajesh Priyadarshi & Dr. S.P Goswami | 4.96 |
|  | Executive functions in normal aging and persons with mild cognitive impairment | Dr. Abhishek B.P. &  Dr. R Rajasudhakar | 4.98 |
|  | Discourse and working memory in neuro-typical individuals and adults with aphasia | Dr. Hema N. | 4.98 |
|  | Vocal dose and immediate effects of the straw phonation exercises on parameters of vocal loading in carnatic classic singers | Dr. Santhosh M.&  Dr. Usha Devadas | 4.83 |
|  | Construction and validation of a short version of the impact scale for assessment of cluttering and stuttering (ISACS) | Dr. Santhosh M.& Dr. Pallavi Kelkar | 4.83 |
|  | Standardization of linguistic profile test (LPT) in Tamil | Dr. T Jayakumar | 4.88 |
|  | Development and standardization of reading passages for children in Kannada | Dr. Sangeetha Mahesh | 4.93 |
|  | Development of a preliminary test for assessment of prosody in children with SLI | Dr. N Sreedevi&  Dr. Sangeetha M. | 4.88 |
|  | Development of an objective tool for aphasia assessment through artificial neural networks | Dr. S.P Goswami&  Dr. Abhishek B.P | 4.83 |
|  | Development and validation of a screening tool for detection of dysphagia in neonates | Dr. Swapna N | 4.93 |
|  | Cognitive linguistic abilities across different vocations | Dr. K.C Shyamala | 4.93 |

**Ongoing Projects**

Fifty two research projects worth **Rs. 472.13 lakhs** were ongoing in different departments of the Institute during the reporting year. Of these, six projects worth **Rs. 232.23 lakhs** were funded by extramural funding agencies and the remaining forty-six projects by the institute.

**Extramural Research**

1. FMRI & ERP evidence for improvement in Audio-Visual integration in individuals with ANSD post speech reading training. Investigators: Dr. K Rajalakshmi & Dr. Arun Kumar Gupta. Funding: Department of Science and Technology. Amount: 35.29 lakhs.
2. Auditory processing and auditory cognitive measures in carriers of mutated genes that cause hearing loss. Investigators: Dr. Sandeep M. & Dr. Santhosh M. Funding: Department of Science and Technology. Amount: 53.23 lakhs.
3. Efficacy of computer based training module on auditory and cognitive skills in children with Central auditory processing disorder. Investigators: Dr. Prawin Kumar & Dr. Niraj Kumar Singh. Funding: Department of Science and Technology. Amount: 28.49 lakhs.
4. Auditory and cognitive consequences of dys-synchronours auditory nerve activity. Investigators: Dr. Ajith Kumar U. & Dr. Sandeep M. Funding: Department of Science and Technology. Amount: 42.78 lakhs.
5. Neuroaudiological profiling of Children with Specific Language Impairment. Investigators: Dr. Animesh Barman, Dr. Swapna N. & Dr. Prashanth Prabhu. Funding: Department of Science and Technology. Amount: 43.50 lakhs.
6. Sense-Cog Asia: An open label feasibility study of a supportive hearing intervention in dementia. Investigators: Dr. Iracema Leroi, Dr. Nusrat Hussain, Dr. S.P Goswami, Dr. Murali Krishnan & Dr. Sandeep M. Funding: Global Challenges Research Fund (GCRF) of UK Research and Innovation. Amount: 28.94 lakhs.

**AIISH Funded Research**

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| **Sl.**  **No.** | **Topic** | **Investigators** | **Amount in lakhs** |
| 1. 1 | Standardization of a discourse analysis scale for conversation, narration and picture description in kannada (DAS) | Dr. Hema N. &  Dr. K C Shyamala | 4.03 |
|  | Communication based rehabilitation for persons with communication disorders in the foothill and rural areas of dindigul district, Tamil Nadu | Dr. Jayashree C.  Shanbal, Mr. S. Ramkumar & Mr. Arunraj K. | 9.25 |
|  | Morphosyntactic processing in dyslexia: application of an ERP measure | Dr. Jayashree C Shanbal, Ms. Mamatha N.M.&  Gopi Shankar R | 4.03 |
|  | Stories of aphasia: exploring paths to recovery in India | Dr. S.P Goswami, Dr. Julie A Hengst, Ms. Sonal V Chitnis, Dr. Brajesh Priyadarshi, Dr. Neeraja Karathi & Ms. Pinky Singh | 11.99 |
|  | Syntactic judgment abilities in persons with non fluent aphasia | Dr. Abhishek B.P. &  Dr. K.C Shyamala | 4.33 |
|  | Adaptation and validation of vocal fatigue index (VFI) in Kannada | Dr. R Rajasudhakar | 4.33 |
|  | Behavioural and electrophysiological correlates (N400) of lexical access in bilingual adults with stuttering | Dr. Santosh M. & Dr. Abhishek B.P. | 4.33 |
|  | Effect of combined tactile, thermal and gustatory stimulation on feeding and swallowing in children with cerebral palsy | Dr. N Swapna | 4.93 |
|  | Prevalence and risk factors of voice problems and knowledge of vocal health in professional carnatic singers and non-singers | Dr. Usha Devdas &  Dr. M Santosh | 4.93 |
|  | Field-testing of ‘Constant Therapy’ in Hindi and Kannada | Dr. S.P Goswami &  Dr. Swathi Kiran | 4.93 |
|  | Reading impairments in Kannada-English bilinguals individuals with fluent & non-fluent types of aphasia | Dr. Sunil Kumar Ravi,  Dr. Pebbli Gopikishore& Dr. Shyamala K.C | 5.08 |
|  | Life satisfaction and quality of life in persons with aphasia beyond communication | Dr. S.P Goswami | 4.96 |
|  | Development and validation of a mobile application tool for airthmetic concept teaching for preschoolers | Dr. Swapna N | 7.88 |
|  | Prevalence and risk factors for voice problems and effect of voice projection training in imans | Dr. Jayakumar T. | 4.88 |
|  | Behavioural and electrophysiological (P300) correlates for visual and auditory process in Alzheimer’s diseases | Dr. Hema N. & Dr. Devi N. | 4.88 |
|  | Short term correlations between speech motor variability and behavioural dysfluencies in persons with stuttering following fluency shaping therapy | Dr. Anjana B. Ram &  Mr. Mahesh BVM | 4.85 |
|  | Development and standardization of western aphasia battery in Tamil | Dr. Hema N | 4.88 |
|  | Cognitive linguistic intervention program for children at risk for learning disability | Dr. Jayashree C. Shanbal & Mr. Hariharan V. | 4.93 |
|  | Automatic quantification of the glottal area in the stroboscopic videos using deep neural network | Mr. Rahul Krishnamurthy, Dr. Prasanta Kumar Ghosh, Dr. Suja S & Dr. T.K Prakash | 9.86 |
|  | Perception and production of prosody in children with hearing impairment | Dr. Yeshoda K &  Dr. Sreeraj K | 4.93 |
|  | Auditory brain plasticity: in carnatic vocalists, instrumental musicians and non-musicians | Dr. K Rajalakshmi | 4.03 |
|  | An exploratory study of tinnitus in Indian context | Dr. K Rajalakshmi, Mr. Vinaya K.C, Prof. David Baguly & Prof. Gerhard Andersson | 4.03 |
|  | Development and standardization of questionnaire to assess the outcome in adult hearing aid users | Dr. K. Rajalakshmi, Ms. Mamatha N.M & Dr. Ramadevi Sreenivas K.J | 4.33 |
|  | Impact of acoustic stimuli used for various measures of VEMP on the auditory system | Dr. Niraj Kumar Singh & Dr. Prawin Kumar | 4.93 |
|  | Normative data for click rate induced facilitation for assessing temporal integration | Dr. K. Rajalakshmi & Mr. Prashasti P. Poovaiah | 4.93 |
|  | Product development of useful products of research carried out at AIISH | Dr. Prashanth Prabhu, Dr. Shijith Kumar C.& Dr. Priya M.B | 5.03 |
|  | Encoding of speech and music at auditory brainstem (frequency following response) with and without hearing aid | Dr. Devi N. | 4.98 |
|  | Auditory temporal processing in older adults: A behavioural and electrophysiological measures | Mr. Prashanth Prabhu | 5.18 |
|  | The genetics of sensorineural hearing loss | Dr. K. Rajalakshmi, Dr. Srinivas K.,  Dr. Sreedevi N. &  Dr. Jayakumar | 9.68 |
|  | Development of some auditory related cognitive tests: assessment of cognitive reserve in individuals with older adults | Dr. Ajith Kumar U. &  Dr. Hemanth N. | 9.51 |
|  | Electrophysiological assessment of auditory and vestibular neural functioning in individuals with diabetes mellitus | Dr. Prawin Kumar, Dr. M Bhanukumar,  Dr. Niraj Kumar Singh, Mr. Vipin Ghosh &  Dr. Kumari Apeksha | 4.88 |
|  | Development of phonemically balanced word lists in Tamil language for adults | Dr. Geetha C. &  Dr. Devi N. | 4.88 |
|  | Relationship between auditory abilities and iron deficiency anemia in adolescent girls | Dr. Chandni Jain, Dr. Chetak K.B & Mr. Vipin Ghosh | 5.33 |
|  | Implementation and validation of portable virtual acoustic spatial training (VAST) programme for remediation of spatial deficits in listeners with sensorineural hearing Impairment (SNHL): A longitudinal time – series study | Dr. Ajith Kumar U. &  Dr. Nisha K.V | 4.85 |
|  | Behavioral and electro physiological correlates of lexical semantic activation in high and low proficient bilinguals | Dr. Sandeep M.,  Dr. Abhishek B.P &  Dr. Chandni Jain | 4.88 |
|  | Cochlear implant outcome measures: Comparison of rating scales and speech perception | Ms. Megha | 5.05 |
|  | Disability evaluation in mental retardation using WHODAS 2.0 in a clinical setting | Mr. Freddy Antony&  Mr. Sanjeev Kumar Gupta | 3.25 |
|  | Computerized auditory training for Kannada speaking children with hearing impairment | Mr. Manohar N,  Mrs. Revathi K.R.,  Mr. Prashanth Prabhu P. & Mr. Raghavendra G.N. | 3.31 |
|  | Design and development of e-learning platform and faculty profile system | Dr. Shijith Kumar C.,  Dr. Manohar N.&  Dr. Malar G. | 4.68 |
|  | Development of speech enabled communication tool for clients with speech impairment in Kannada | Mr. Manohar N | 4.95 |
|  | Automation of Malayalam articulation test using automatic speech recognition techniques | Dr. Ajish K Abraham,  Dr. Leena Mary&  Dr. N. Sreedevi | 5.00 |
|  | Feasibility of standardized neuropsychological tests in assessment of patients with aphasia | Dr. Amrita Kanchan &  Dr. Nawab A Khan | 3.30 |
|  | Development and evaluation of indigenous curriculum oriented computer based tutor for concept learning in preschool children with special needs | Ms. P V Ramanakumari,  Dr. Ajish K. Abraham & Ms. P.V Manjula | 3.85 |
|  | Effect of resource material on impact of inclusive education in children with intellectual disabilities (ID) and learning disabilities (LD) | Dr. G Malar &  Ms. P. Prathima | 3.85 |
|  | Development of grade level assessment test in science for upper primary school children (VI-VIII) | Dr. Prithi Venkatesh | 4.00 |
|  | Design, development and validation of open source platform for AIISH digital repository and online public access catalogue | Dr. Shijith Kumar C.,  Mr. Nanjunda Swamy M., Mr. Nidheesh David Kuruvilla, Mr. Lokesh P.& Mr. Raghavendra G.N. | 3.00 |

**New Research Projects**

Six research projects worth **Rs. 327.87 lakhs** were funded by extramural funding agencies. The reporting year no new projects initiated funded by the institute.

**Extramural Research**

1. Cognitive Linguistic Abilities in Children with Cleft Lip and Palate: Phase II. Investigator: Dr. M. Pushpavathi. Funding: Department of Science and Technology. Amount: 19.87 lakhs.
2. Effect of Vestibular Impairment and Vestibular Rehabilitation Therapy on Cognition and Language Processing. Investigators: Dr. Niraj Kumar Singh, Dr. Prawin Kumar, Dr. Prakash T K, Dr. Brajesh Priyadarshi & Dr. Amritha Kanchan. Funding: Department of Science and Technology. Amount: 81.25 lakhs.
3. Efficacy of articulation and prosody intervention program for children with hearing impairment using hearing aids. Investigators: Dr. N Sreedevi & Dr. Sangeetha Mahesh. Funding: SERB. Amount: 23.72 lakhs.
4. Effect of cognitive load on speech and voice characteristics across lifespan: A cross sectional study. Investigators: Dr. Jayakumar T. & Dr. K. Yeshoda. Department of Science and Technology. Amount: 28.62 lakhs.
5. Scalable hearing rehabilitation for low and middle income countries (SHRLMIC). Investigators: Dr. Jhon Newall, Dr. S.P. Goswami & Dr. Geetha C. Funding: United Nations Global Partnership for Assistive Technology. Amount: 144.41 lakhs.
6. Acoustic and Perceptual analyses of speech in children with stuttering pre and post therapy comparison. Investigator: Dr. Sangeetha Mahesh. Funding: Department of Science and Technology. Amount: 30 lakhs.

**Doctoral Research**

Totally, four students completed their doctoral research during the reporting year. In addition, 95 students were pursuing their doctoral research in different departments of the institute during the reporting year. The details of completed and ongoing doctoral research are given in table 1 and 2 respectively.

**Table 1: Completed Doctoral Research**

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| **Candidate** | **Topic** | **Guide** | **Status** |
| **Degree Awarded** | | | |
| Gayathri Krishnan | Effect of Bolus Characteristics and Head Position on Respiratory-Swallow Coordination | Dr. S.P Goswami | Awarded |
| Geethi S | Development of metapragmatic tool for adolescents in Malayalam and its validation on Children with Specific learning disorder | Dr. Shyamala K.C | Awarded |
| Niharika M K | Cognitive-linguistic processing in native adult speakers of Kannada | Dr. Prema K.S | Awarded |
| Yashaswini L | Categorical Perception and Processing of Speech and Music stimuli in Individuals with and without Music Training | Dr. Sandeep M | Awarded |

**Table 2: Ongoing Doctoral Research**

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| **Sl.No.** | **Candidate** | **JRF (AIISH/Project**  **/Inservice/ External/ Foreign)** | **Topic** | **Guide** |
| **Audiology** | | | | |
|  | Anoop B.J | External | Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals | Dr.Ajith Kumar U |
|  | Anuprasad S | External | Auditory Processing and Auditory Working Memory in Children with Benign Epilepsy with Centrotemporal Spikes | Dr. K Rajalakshmi |
|  | Arunraj K | In-service | Clinical Validation of Wideband Absorbance Tympanometry in Detecting Middle Ear Disorders | Dr. Animesh Barman |
|  | Bhalerao Sanket Satish | External | Yet to decide | Dr. Geetha C |
|  | Darga Baba Fakruddin | In-service | Effect of Age, Hearing Loss Working Memory on Speech Recognition in Naive Hearing aid Users | Dr. K Rajalakshmi |
|  | Deepashree S.R | External | Auditory brainstem responses and otoacoustic emissions in infants born to mothers with iron deficiency anaemia | Dr.Ajith Kumar U |
|  | Dhananjay Rachana | External | Yet to decide | Dr. Devi N |
|  | Dhanya M | External | Perceptual Cues of Coarticulation in Malayalam in Normal Hearing and Hearing Impaired Individuals | Dr. Sandeep M |
|  | Gowri R | AIISH, JRF | Yet to decide | Dr. Sandeep M |
|  | Husna Firdose | External | A relationship between Audiological characteristics and a few management options in individuals with auditory neuropathy spectrum disorders | Dr. Manjula P |
|  | Indira C.P | External | Hearing Help Seeking Behaviour in Parents of Children with Hearing Loss | Dr. Sandeep M |
|  | Jawahar Antony P | In-service | Stream percept with sinusoidally amplitude modulated stimuli and its relation with speech perception in noise in individuals with normal hearing and sensorineural hearing loss | Dr. Animesh Barman |
|  | Jim Saroj Winston | AIISH, JRF | Effect of Short-term musical training on psycho-acoustical, electrophysiological and working memory measures | Dr. Ajith Kumar U |
|  | Kriti Arora | AIISH, JRF | Yet to decide | Dr. Sandeep M |
|  | Krupa Saira George | AIISH, JRF | Effect of native and Non-Native Babble Background on Speech Identification of Individuals with Normal Hearing and Hearing Impairment | Dr. K Rajalakshmi |
|  | Mamatha N.M | In-service | Effect of Auditory Processing abilities on Academic Performance in Kannada Speaking Primary School Children | Dr. Asha Yathiraj |
|  | Meghana Mohan B | AIISH, JRF | Yet to decide | Dr. K Rajalakshmi |
|  | Meghana N | AIISH, JRF | Yet to decide | Dr. Manjula P |
|  | Merin Mathews | DST, JRF | Audio-visual Speech Perception in Individuals with ANSD: Effect of Audio-Visual Training Evidenced Through ERP and Behavioural Measures | Dr. K Rajalakshmi |
|  | Nayana M | AIISH, JRF | Yet to decide | Dr. Prawin Kumar |
|  | Pathak Mayur Balaji | External | Yet to decide | Dr. Chandni Jain |
|  | Pavan M | External | Investigation of Mechanism Underlying Poor Speech Perception in Individual with Cochlear Hearing Loss Based on Recovered Envelope Cues and the Contribution of Temporal Fine Structure Cues in Sequential Segregation | Dr. K Rajalakshmi |
|  | Prajna Bhat J | External | Brainstem Neurophysiological Correlates of Pitch Coding In Vocal and Instrumental Musicians | Dr. K Rajalakshmi |
|  | Priyadharsini K | AIISH, JRF | Effect of Auditory training using Envelope Enhanced Speech on Speech Perception Abilities in Persons with Auditory Neuropathy Spectrum Disorder | Dr.Ajith Kumar U |
|  | Priyanjali Harit | External | Yet to decide | Dr. Prawin Kumar |
|  | Priyanka Jaisinghani | DST, JRF | Validation of Speech Enhancement and Noise Reduction Strategies in Individuals with Sensorineural Hearing Loss and Auditory Neuropathy Spectrum Disorders | Dr. Manjula P |
|  | Rajesh Kumar R | AIISH, JRF | Yet to decide | Dr. Niraj Kumar Singh |
|  | Rakesh Gatla | AIISH, JRF | Effect of Exposure to Below-Damage Risk Criteria Environmental Noise on Auditory Processing Abilities | Dr. Sandeep M |
|  | Rashmi E | AIISH, JRF | Yet to decide | Dr. Devi N |
|  | Reesha O.A | DST-JRF | Efficacy of computer-based auditory separation training in children with auditory processing disorders | Dr. Prawin Kumar |
|  | S Sridhar | AIISH, JRF | Yet to decide | Dr. Devi N |
|  | Sahana P | AIISH, JRF | Yet to decide | Dr. Manjula P |
|  | Sahana V | AIISH, JRF | Auditory and cognitive profiling in normal hearing individuals with occupational noise exposure | Dr. Ajith Kumar U |
|  | Shezeen Abdul Gafoor | AIISH, JRF | Yet to decide | Dr. Ajith Kumar U |
|  | Shreyank P. Swamy | External | Comparison of Contralateral Suppression of Otoacoustic Emissions between Children with APD and Children with ADHD | Dr. Asha Yathiraj |
|  | Shubha Tak | External | Loudness Perception in Children Using Hearing Aids and Children Using Cochlear Implants | Dr. Asha Yathiraj |
|  | Shubhaganga D | AIISH, JRF | Influence of education, employment and gender on auditory processing and cognition in older adults | Dr. Asha Yathiraj |
|  | Sreena E.N | AIISH, JRF | Preferred Compression Amplification Setting for Individuals with Varying Audiogram Configurations | Dr. Manjula P |
|  | Srikar V | External | Auditory continuity illusion and Perceptual restoration of speech in noise: Relationship with speech intelligibility in noise in individuals with normal hearing, and cochlear hearing loss | Dr. Animesh Barman |
|  | Syeda Aisha | AIISH, JRF | Yet to decide | Dr. Chandni Jain |
|  | Vignesh SS | External | Auditory vestibular functions in individuals with multiple sclerosis | Dr. K Rajalakshmi |
|  | Vikas M.D | In-service | Effects of Temporal Resolution, Working Memory and Personality on Hearing Aid Benefit in Older Adults | Dr. Manjula P |
|  | Vinayagar P.T | AIISH, JRF | Yet to decide | Dr. Sujeet Kumar Sinha |

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| --- | --- | --- | --- | --- |
| **Sl.No.** | **Candidate** | **JRF (AIISH/**  **Project**  **/Inservice/External/Foreign)** | **Topic** | **Guide** |
| **Speech Language Pathology** | | | | |
|  | Akshaya S | External | Yet to decide | Dr. SP Goswami |
|  | Ameena Subhakani S | JRF | Yet to decide | Dr. Swapna N |
|  | Amoolya G | External | Bilingual Effect on Written Language Skills in Kannada English Bilingual Biliterate Children With Learning Disability | Dr. Jayashree C Shanbal |
|  | Anitha Naittee Abraham | External | Effect of vowel context and phoneme position on correct articulation of phonemes in Malayalam speaking children with Down syndrome: A pre post therapy comparison | Dr. N Sreedevi |
|  | Aparna V.S | External | Speech and Language Outcomes in School Goging Children Following Early Primary Cleft Palate Repair | Dr. M Pushpavathi |
|  | Bilvashree C | JRF | Yet to decide | Dr. K Yeshoda |
|  | Ceana Mariya Paul | JRF | Yet to decide | Dr. K. Yeshoda |
|  | Darshan H. S | JRF | A Comparative Study on Statistical Learning Abilities in Persons with Aphasia and Neuro-typical Individuals | Dr. S P Goswami |
|  | Deepak P | JRF | Efficacy of Verb Network Strengthening Treatment in Persons with Aphasia | Dr. S P Goswami |
|  | Deepthy Ann Joy | External | Acoustic and articulatory characteristics of Malayalam speaking children using Cochlear Implant | Dr. N Sreedevi |
|  | Divya Seth | External | Efficacy of response cost treatment in preschool children who stutter | Dr. Santosh M |
|  | Divyashree K.N. | JRF | Yet to decide | Dr. N. Sreedevi |
|  | Geetha M.P | External | Yet to decide | Dr. T. Jayakumar |
|  | Girish K.S | DBT-JRF | Development of Norms for Nasospeech in Typically Developing Children | Dr. M Pushpavathi |
|  | Jesnu Jose Benoy | JRF | Yet to decide | Dr. T Jayakumar |
|  | Jothi S | External | Yet to decide | Dr. Jayashree C Shanbal |
|  | Jyothi S | External | Child-directed speech versus adult-directed speech: Comparison of acoustic measures between mothers of typically developing children and children with hearing impairment | Dr. Santosh M |
|  | Kavya V | JRF | Yet to decide | Dr. Swapna N |
|  | Khyathi G Jain | External | Yet to decide | Dr. SP Goswami |
|  | Lakshmipriya S.M | External | Yet to decide | Dr. Hema N |
|  | M. Sonam Belliappa | JRF | Use of Chin Tuck against Resistance and Neuromuscular Electrical Stimulation for Swallow Function in Parkinson's Disease : A Comparative Study | Dr. S P Goswami |
|  | Manasa A.S | External | Yet to decide | Dr. M Pushpavathi |
|  | Manju S | External | Speech and language development in Malayalam speaking toddlers with repaired cleft lip and palate | Dr. M Pushpavathi |
|  | Nagashreeya D | External | Yet to decide | Dr. SP Goswami |
|  | Nikitha M | JRF | Gesture Perception and Production abilities in Persons with Aphasia: A Comparative Study | Dr. S P Goswami |
|  | Nirmal Sugathan | External | Comparison of Phonological Processing between Children who persist and recover from stuttering | Dr. Santosh M |
|  | Pooja C | JRF | Yet to decide | Dr. Hema N |
|  | Priyanka | External | Cross-Linguistic Generalization of Fluency in Kannada-English Bilingual Adults who Stutter: Effect of Non-Programmed Prolonged Speech Treatment | Dr. Santosh M |
|  | Rakesh C.V | JRF | Efficacy of Prolonged Speech and Pause and Talk Techniques in School-Aged Children with Stuttering: A Comparison | Dr. Santosh M |
|  | Ranjini G.C. | External | Derived Acoustic measures of Vowels in Kannada Speaking children with Cochlear implant | Dr. N. Sreedevi |
|  | Ranjitha Kashyap B.N | JRF | Yet to decide | Dr. T.Jayakumar |
|  | Ranjitha R | External | Development and Standardization of a Test Battery to Evaluate Phonological Representations in Malayalam Speaking Preschool Children | Dr. N Sreedevi |
|  | Reuben Thomas Varghese | External | Comparison of Early Cognitive - Communicative Deficits between Persons with Dementia of Alzheimer's Type (DAT) and Mild Cognitive Impairment (MCI) | Dr. S P Goswami |
|  | Revathi R | JRF | Yet to decide | Dr. K Yeshoda |
|  | Sahana Srinivasan | JRF | Yet to decide | Dr. Swapna N |
|  | Seema M | External | Yet to decide | Dr. N. Sreedevi |
|  | Sneha Mareen Varghese | External | Graphophonological-Semantic Flexibility and Reading Comprehension in Children with Dyslexia | Dr. Jayashree C Shanbal |
|  | Srushti Shabnam | External | Acoustic Voice Quality Index based dysphonia severity classification | Dr. M Pushpavathi |
|  | Susan G Oommen | External | Effect of bilingualism on linguistic and executive functions in children with autism spectrum disorders | Dr. Shyamala K C |
|  | Sushma Manjunath | JRF | Development and Validation of Therapy Protocol for Compensatory Articulation in Children with repaired cleft lip and palate | Dr. M Pushpavathi |
|  | Vasupradaa M | JRF | Yet to decide | Dr. Santosh M |
|  | Vineetha Sara Philip | JRF | Symbolic language abilities for aided communication in persons with Aphasi | Dr. S P Goswami |
|  | Yashaswini B C | JRF | Yet to decide | Dr. Hema N |

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| **Sl.**  **No.** | **Candidate** | **JRF (AIISH/**  **Project**  **/Inservice/**  **External/ Foreign)** | **Topic** | **Guide** |
| **Linguistics** | | | | |
| 1. | Eman Al Haider Moussabi | External | Yet to decide | Dr. Brajesh Priyadarshi |
| 2. | Maisa' A Jamal Mahmoud Alshawawreh | External | The role of cognition and use of multimedia in vocabulary learning of jordan intermediate school children | Dr. Hema N |
| 3. | Mustafa Nafi Ahmed Alshawawreh | External | Yet to decide | T. Jayakumar |

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| **Sl.**  **No.** | **Candidate** | | **JRF (AIISH/**  **Project**  **/Inservice/**  **External/ Foreign)** | **Topic** | **Guide** |
| **Special Education**  **[** | | | | | |
| 1. | | Devaraj N.B | External | Effectiveness of school readiness program on pre-school children with hard of hearing | Dr. Alok Kumar Upadhyay |
| 2. | | Dhivya D | External | Yet to decide | Dr. Alok Kumar Upadhyay |
| 3. | | Lakshmi Prabha J.K. | External | Yet to decide | Dr. Alok Kumar Upadhyay |
| 4. | | Omar Wajdy Aref Al- Rawashdeh | External | Yet to decide | Dr. Alok Kumar Upadhyay |
| 5. | | Nagarathnamma | External | Yet to decide | Dr. Alok Kumar Upadhyay |
| 6. | | Subramanya K.R | External | Yet to decide | Dr. Alok Kumar Upadhyay |

**Post Graduate Research**

The postgraduate students of the institute carry out research as a part of their course work. The details of completed postgraduate research carried out as a part of M.Sc. Audiology and M.Sc. Speech-Language Pathology (77 nos.) are given in table 3 and the ongoing research works (75 nos.) in table 4.

**Table 3: Completed postgraduate research**

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| --- | --- | --- | --- | --- |
| **SL. No.** | **Candidate** | **Topic** | | **Guide** |
| **Audiology** | | | | |
| 1 | Aishwarya G | Effect of prescriptive formulae and number of channels (simulated) on perception of music processed through Receiver In the Canal hearing aid | | Dr. Prashanth Prabhu |
| 2 | Ajithkumar M | Correlation of threshold difference between pure tones, clicks and wideband evoked acoustic reflex | | Dr. Devi N |
| 3 | Akhil Shrivastava | Measurement of Ocular tilt using Subjective visual vertical test in Individuals with Sensorineural Hearing loss | | Dr. Sujeet Kumar Sinha |
| 4 | Anagha A.P | Vestibulo - Ocular Reflex gain measurement using Head Impulse Paradigm and Suppression Head Impulse paradigm in younger and older adults | | Dr. Sujeet Kumar Sinha |
| 5 | Aneena K | Estimation of vestibule-ocular reflex gain using head impulse paradigm in individual with noise exposure | | Dr. Prawin Kumar |
| 6 | Aparna Ravi | Bilateral simultaneous auditory brainstem response in individuals with sensorineural hearing loss | | Dr. Sandeep M |
| 7 | Ashique C | Comparison of Differential sensitivity for Frequency, Intensity and Duration in individuals who practice physical activity and those who doesn’t practice physical activity | | Ms. Mamatha N.M |
| 8 | Augustina Noel Z | Speech identification through mobile phone, coupled to hearing aids, with and without wireless technology | | Dr. Manjula P |
| 9 | Chethana P | Test-retest reliability of working memory span tasks: Operation span, Reading span and Auditory digit span. | | Dr. Ajith Kumar U |
| 10 | Christy Sebastian | Effect of wide dynamic range compression on a few temporal characteristics and speech identification. | | Dr. Manjula P |
| 11 | Divya Chauhan | Effect of physiological noise on speech perception in noise in normal hearing adults | | Dr. Sandeep M |
| 12 | Gowtham Varma S | Cochlear microphonics: A comparison between scalp recording vs. Intracanicular recording procedure using tone bursts and click | | Dr. Animesh Barman |
| 13 | Hannah Thomas | Estimating safe stimulus level for 500 Hz tone burst evoked cervical and ocular vestibular evoked myogenic potential | | Dr. Niraj Kumar Singh |
| 14 | Hemashree B.M | Evaluation of temporal processing abilities in individuals categorized based on body mass index. | | Dr. Prashanth Prabhu |
| 15 | Kalaiyarasan R | Evaluation of temporal resolution abilities and speech perception in noise in abstinent alcoholics and non-alcoholics | | Dr. Devi N |
| 16 | Kirubaharane S.I | Multifrequency tympanometry in children with and without congenital sensorineural hearing loss. | | Dr. Ajith Kumar U |
| 17 | Kristi Kaveri Dutta | Effect of stimulus intensity used for frequency tuning of cVEMP on hearing | | Dr. Niraj Kumar Singh |
| 18 | Krupa Bai B | Relationship between extended High frequency Audiometry, distortion product otoacoustic emission and speech perception in noise in children with (C)APD. | | Dr. Chandni Jain |
| 19 | Layamol T.P | Assessment of Hidden hearing loss in individuals exposed to noise using Tone Burst ABR and DPOAEs | | Dr. Prawin Kumar |
| 20 | Madhumanti Chakraborty | Role of MOCB on threshold and supra threshold measures of speech perception in noise | | Dr. Sandeep M |
| 21 | Manju Manikandan K | Influence of age, cognition and proficiency of the non-native background language on speech recognition of native language | | Dr. Geetha C |
| 22 | Megha Nigam | Relationship between spectral resolution and speech perception in noise in children with central auditory processing disorder | | Dr. Chandni Jain |
| 23 | Merina Thomas | Comparison of auditory working memory and speech perception in noise in children with and without chess training | | Dr. K Rajalakshmi |
| 24 | Mohana Priya R | Amplitude modulation discrimination in individual with normal hearing sensitivity having tinnitus | | Dr.Sreeraj K |
| 25 | Mohammed Basih Thaha T | Adaptation, Translation and Validation of Speech, Spatial and Qualities of Hearing Scale (SSQ) in Malayalam speaking older adults with hearing impairment. | | Dr. K Rajalakshmi |
| 26 | Nivedharao Nagarajan | Auditory differential sensitivity for frequency, intensity, duration in abstinent alcoholic | | Dr. Devi N |
| 27 | Prajwal Kumar E | Effect of click, tone burst frequency, polarity and rate of stimulus on cochlear microphonics in individuals with normal hearing sensitivity. | | Prof. Animesh Barman |
| 28 | Rajwinder Kaur | Adaptation, Translation and Validation of Parents Evaluation of oral/aural performance of children (PEACH) and Teachers' Evaluation of oral/aural performance of children (TEACH ) | | Dr. Geetha C |
| 29 | Rakesh T Kumar | Comparison of auditory working memory in adults with congenital blindness and normal sighted individuals | | Dr.Sreeraj K |
| 30 | Ranjini A | Influence of Music Training on the Age Related Decline in Spatial Hearing and Temporal Processing Ability | | Dr.Sreeraj K |
| 31 | Ravinder Thakur | Cervical and Ocular vestibular evoked myogenic potentials in smokers | | Ms. Mamatha N.M |
| 32 | Rohith V.S | The Relationship between Auditory working memory and speech perception in noise in primary school children with and without abacus training. | | Dr. K Rajalakshmi |
| 33 | Sachin B | Effect of smoking on high frequency Distortion Product Otoacoustic Emissions | | Ms. Mamatha N.M |
| 34 | Sarga K | Effectiveness of Subjective Visual Vertical and Video Head Impulse Test in assessment of Vestibular function in individuals with Mixed Hearing Los | | Dr. Sujeet Kumar Sinha |
| 35 | Shreyas S Ram | Prevalence of individuals diagnosed to have CAPD for a period of two years at AIISH ( June 2017 to July 2019 | | Dr. Chandni Jain |
| 36 | Srividya S | Sentence identification in presence of speech and music masker among musicians and non-musicians | | Dr. Ajith Kumar U |
| 37 | Sushma C | Comparison of subjective benefit of directional microphone in high cost and low cost digital hearing aids in noise | | Dr. Geetha C |
| 38 | Swati Goyal | Effect of age and gender on auditory stream segregation in adults with normal hearing sensitivity | | Dr. Prashanth Prabhu |
| 39 | Tanuja M.N | Comparison between auditory working memory, temporal resolution, and auditory closure in individuals with type 2 diabetes mellitus. | | Dr. Prawin Kumar |
| **Speech Language Pathology (as per Dr. Hema & Nandeesh Sir)** | | | | |
| 40 | Akshaya Krishnan | Self-harm in Persons with Aphasia and their Caregivers:A Survey | Dr. S.P Goswami | |
| 41 | Anju R | Empirical observation on grammatical and lexical development by story retelling task in primary school children | Dr. S. Venkateshan | |
| 42 | Ankitha S | Non-word repetition skills in adults who stutter | Dr.Sangeetha M | |
| 43 | Anuroopa K.S | Vocal Fatigue in Professional Theatre Artists as quantified by Vocal Fatigue Index-version 2 | Dr. K. Yeshoda | |
| 44 | Apoorva Pant | Phonological encoding abilities in the second language (L2) among bilingual adults who stutter | Dr.Sangeetha M | |
| 45 | Archana U | Therapeutic Module for rehabilitation of adults with Stuttering- Assistive Stuttering Interface-Adults | Dr. Anjana B Ram | |
| 46 | Binusha S | Comparison of Madhyasthayi and Tharasthayi between Carnatic classical singers with and without vocal fatigue | Dr. M. Santosh | |
| 47 | Delna Dominic | A comparative study on the effect of animated and static pictures on the naming abilities in children with Hearing Loss | Dr. Ajish K. Abraham | |
| 48 | Devi Vijayalakshmi | Long term effect of lip trill exercise on voice parameters in phonoormic individuals | Dr. R Rajasudhakar | |
| 49 | Dibya Aryal | Effect of phonological and morphological factors on speech disfluencies in Nepal speaking adults who stutter | Dr. M. Santosh | |
| 50 | Fathima Nida | Socio-cultural adaptation of unhelpful thoughts and beliefs about stuttering scales in Kannada | Dr. M. Santosh | |
| 51 | Hima Bindhu V.K.B | Phonological encoding abilities in the first language (L1) among bilingual adults who stutter | Dr. Sangeetha M | |
| 52 | Hina Fathima Fazal Khan | [Development of Linguistic Profile Test for Urdu Speaking Children in the Age Range of 6 to 16 Years?An Adaptation](javascript:void(0)) | Dr. Jayashree C Shanbal | |
| 53 | Jasper Princess. V | Working memory assessment in healthy elderly individuals with different educational background using distinct (semback) linguistic processing ability | Dr. Hema. N | |
| 54 | KrantiAcharya | Acoustic Characteristics of Vowels in Children with Cochlear Implants in Nepali | Dr. N. Sreedevi | |
| 55 | Mohammed Nadeer Musthafa | Disability in person with Total Laryngectomy: A WHODAS 2.0 Perspective (Co-guide) | Dr. Freddy Antony | |
| 56 | Monika Tetwal | Quality of Life in Parents of children with Autism Spectrum Disorders in Indian context | Dr. Jayashree C Shanbal | |
| 57 | Nayana Karat | Acoustic voice quality index (AVQI) in Carnatic singers | Dr. T. Jayakumar | |
| 58 | Nayanika Ghosh | Prolonged Effect of SOVT on Phononormals using Straw Phonation technique | Dr. K. Yeshoda | |
| 59 | Neeraja Sunil | Taste Perception in Individuals with Diabetes Mellitus Type II | Dr. Swapna N | |
| 60 | Neha Yadav | Development of Hindi Language Test for children in the age range of 3 to 6 years-An adaption | Dr. Jayashree C Shanbal | |
| 61 | Parnika M | Assistive Stuttering Interface-Children | Dr. Anjana B Ram | |
| 62 | Pauline Gracia | Acoustic voice quality index (AVQI) in hindustani singers | Dr. T. Jayakumar | |
| 63 | Prasanna S. | Neurophysiological Assessment (ERP-p300) of Individuals with Broca’s Aphasia: Pre-therapy Period | Dr. Hema. N | |
| 64 | Reshma O | Relationship between nasalence and acoustic voice quality index (AVQI) | Dr. T. Jayakumar | |
| 65 | Riddhi Wadhwa | Syntactic Working Memory in Person with Aphasia | Dr. S P Goswami | |
| 66 | Rishisha Lyngkhoi | Comparison of vowel Space In Two Dialects of Khasi | Dr. N. Sreedevi | |
| 67 | Roja Rani | Effect of Effortful Swallow Training on Lingual-Labial Strength and Endurance and Swllowing Capacity in Typical Young Adults | Dr. Swapna N | |
| 68 | Sabin Sharma Duwadi | Ultrasound Study of the Retroflex Plosives of Nepali Language | Dr. K. Yeshoda | |
| 69 | Sarah Elsa Abraham | Scale for Assessment of Screen Time Exposure (SASTE) in Typically Developing Children | Dr. S. Venkateshan | |
| 70 | Sashirekha N | Body Mass Index and Voice parameters in Indian females: A correlational study | Dr. R Rajasudhakar | |
| 71 | Shivaranjani P | Cognitive flexibility in high school children with and without learning disability | Dr. S. Venkatesan | |
| 72 | Sreerenthu. S. Vishwan | Neurophysiological Assessment (ERP-P300) in Individuals with Aphasia at Pre-therapy and Post Therapy | Dr.Hema.N | |
| 73 | Sudharsana S | Temporal Characteristics of Speech in Children with Speech Sound Disorder | Dr. N. Sreedevi | |
| 74 | Sundareswari Pon | Acquisition and Retention of Nonwords in Adults with and without Stuttering | Dr. Swapna N | |
| 75 | Swaliaha Shahama | Adaption and Validation of Prospective and Retrospective memory questionnaire in Malyalam | Dr. S.P Goswami | |
| 76 | Sweekriti | Variability in stuttering across tasks and its relationship with social anxiety | Dr. Freddy Antony | |
| 77 | Syeda Sameera Taj | Voice characteristics of Uluma | Dr. R Rajasudhakar | |

**Table 4: Ongoing Postgraduate Research**

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| --- | --- | --- | --- |
| **SL. No.** | **Candidate** | **Topic** | **Guide** |
| **Audiology** | | | |
| 1 | Aashish Sharma | Listening habits of young adults during lockdown: A survey | Dr. Geetha C |
| 2 | Abhishek Umashankar | The light cupula phenomenon: A systemic review | Dr. Animesh Barman |
| 3 | Adithya S.S | Canalith repositioning maneuvers for treatment of Posterior semicircular canal: A Systematic review | Dr. Niraj Kumar Singh |
| 4 | Aiza Fatima Raza | Indicators for cochlear implantation in individuals with auditory neuropathy spectrum disorders: A systematic review. | Dr. Prashanth Prabhu P. |
| 5 | Aman Kumar | Prevalence and Characteristics of hearing loss in older adults registered at AIISH. | Ms. Mamatha N.M. |
| 6 | Anju Sara Eby | A Survey on Awareness about Various Audiological Conditions in Students and their Classroom Management amongst Teachers in Kerala | Dr. Chandni Jain |
| 7 | Ankit Kumar Lohani | A tutorial on vestibular evoked myogenic potential | Dr. Sujeet Kumar Sinha |
| 8 | Anshuman Yadav | Speech Perception Outcomes using Bone Conduction Implants: Systematic review | Dr. Prawin Kumar |
| 9 | Apoorva Prathibha K.S | Longitudinal study on Audiological and language outcomes in children using Hearing aids: A comparative study of ANSD and SNHI | Dr. Nisha K.V Co- Guide:  Dr. Ajith Kumar U |
| 10 | Ariya Jayan | Speech Perception Outcomes in Children using Auditory Brainstem Implants: Systematic Review | Dr. Prawin Kumar |
| 11 | Arsiwala Tasneem M | [Cortical auditory evoked potentials as performance indicators in cochlear implant: A systematic review](https://pubmed.ncbi.nlm.nih.gov/30295156/) | Dr. Geetha C |
| 12 | Atul P.R | Sudden sensorineural hearing loss- Literature review | Dr. Rajalakshmi K |
| 13 | Bhagyashree Ishwar H | Trend analysis of Hearing aids dispensed under HDDU scheme at AIISH | Dr. Sandeep M |
| 14 | Chethan K | Auditory brainstem responses in acoustic neuroma - a systematic review | Dr. Ajith Kumar U |
| 15 | Chitra. K | Systematic Review of music perception in children with cochlear implant | Dr. Devi N |
| 16 | Dilli Raj Paudel | Prevalence and Characteristics of Congenital Hearing Loss in Children: A Register Based Study. | Ms. Mamatha N.M. |
| 17 | Dyuthi B | Prevalence, Audiological Characteristics and Management of Individuals Diagnosed with ANSD for a Period of One year at AIISH (January 2019 to December 2019) | Dr. Chandni Jain |
| 18 | Freddy Jose | Prevalence and Characteristics of Tinnitus in Individuals with Normal Hearing. | Ms. Mamatha N.M. |
| 19 | Hasla Hamza Valiyadan | A Systemic Review on Effectiveness of Early Cochlear implantation on Speech perception and Quality of life | Dr. Chandni Jain |
| 20 | Jijinu P.S | Utility of Video Head Impulse test in Meniere's Disease: a systematic review. | Dr. Sujeet Kumar Sinha |
| 21 | Kajol N | Effectiveness of online teaching in training prospective speech-language pathologists and Audiologists | Dr. Sandeep M |
| 22 | Kruthika S | Evidence of synaptopathy in individuals with tinnitus: A systematic review. | Dr. Prashanth Prabhu P |
| 23 | Meena Rao | Noise Induced Hearing Loss: Clinical Presentation | Dr. Sreeraj K |
| 24 | Mridul Pratik Khakha | Listening to music with hearing aids - A systematic review | Dr. Manjula P |
| 25 | Muthu Kartick L | Application of ICF framework for Noise induced hearing loss | Dr. Sreeraj K  Co- Guide:  Dr. Nisha K.V |
| 26 | Namitha Jain | Prevalence of Auditory Hallucinations in Individuals with Hearing Impairment | Dr. Sreeraj K |
| 27 | Prabuddha Bhatarai | Speech Perception Outcomes in Children using Cochlear Implants: Systematic Review | Dr. Prawin Kumar |
| 28 | Prakruthi M.K | Auditory training strategies for auditory processing disorder: A review | Dr. Devi N |
| 29 | Prateek L | Audiological profiling and voice characteristics in congenital and late onset auditory neuropathy spectrum disorder | Dr. Nisha K.V  Co- Guide:  Dr. Prashanth Prabhu P |
| 30 | Praveen Prakash | Audiologic management of Auditory neuropathy spectrum Disorder in Children - A systematic review of the Literature | Dr. Rajalakshmi K |
| 31 | Rachna Hanji | Profiling listening needs of individuals with hearing impairment | Dr. Manjula P |
| 32 | Sahana T.S | Prevalence and causes of hearing loss in Mysore District- A retrospective study | Dr. Rajalakshmi K |
| 33 | Saranya Arya Mundayoor | Role of Temporal Cues in Speech Perception – A Systematic Review | Dr. Ajith Kumar U |
| 34 | Shejal Kasera | Canalith repositioning maneuvers for treatment of Lateral semicircular canal: A Systematic review | Dr. Niraj Kumar Singh |
| 35 | Shingi Dipti Santoshk | Online Survey of hearing help-seeking behaviour in parents of children with hearing loss | Dr. Sandeep M |
| 36 | Shradha Manandhar | A tutorial on repositioning maneuvers for  benign paroxysmal positional vertigo | Dr. Sujeet Kumar Sinha |
| 37 | Sunny Khurana | A retrospective study on clinical test battery for persons with normal hearing with tinnitus; bridging the gap from research to clinical practice | Dr. Animesh Barman |
| 38 | Suryakant Yadav | ABR findings in Hidden hearing loss: A systemic review | Dr. Animesh Barman |
| 39 | Vidya Gowda S.L | Attitude and knowledge of teachers on education for children with Hearing Impairment: A systematic review | Dr. Devi N |
| 40 | Zohra Nafees Ghori | Development of Quality of life questionnaire for children using hearing devices in English and Kannada | Dr. Geetha C |
| **Speech Language Pathology** | | | |
| 41 | Akshit Anand | Development of a Questionnaire to Assess Psychosocial Issues in Professional Voice Users | Dr. K Yeshoda |
| 42 | Amritha Varshini S | Development of vocal education material for professional voice users(singer, teacher and radio jockey) in tunnel | Dr. T Jayakumar |
| 43 | Anshaba Ashiya | An overview of neurogenic stuttering, a clinical tutorial for Speech-Language Pathology students | Dr. Sangeetha M |
| 44 | Architaa R.S | Analysis of scholarly communication on VOICE: A Scientometric Study | Dr. R Rajasudhakar |
| 45 | Ashiya Shaima | Student clinician’s perspectives on service delivery in Speech-Language Pathology through Tele-mode | Dr. R Rajasudhakar |
| 46 | Ashritha M Hegde | Development of Theory of Mind Activities for Individuals with Right Hemisphere Damage/Traumatic Brain Injury- A Virtual Training Manual | Dr. Hema N |
| 47 | Christabale Jane | Effect of phonological and morphological factors on stuttering frequency in children who stutter: a systematic review | Dr. Santosh M |
| 48 | Jeevan R.S | Development of an android based application for intonation training in Children with Hearing Impairment | Dr. Reuben T Varghese |
| 49 | Joanna K.B | Multimedia Training Manual in English for Syntactic Skills in 4-6-year-old children | Dr. Jayashree C Shanbal |
| 50 | Joel Joseph | An overview of cluttering, a clinical tutorial for Speech-Language Pathology students | Dr. Sangeetha M |
| 51 | Kavitha J | Development Of Cognitive Linguistic Intervention Manual in Kannada for persons with Dementia: An adaptation of CLIM- Malayalam | Dr. S.P Goswami |
| 52 | Keneitsolou koza | Acoustic analysis of lexical tones in 2 naga languages | Dr. Santosh M |
| 53 | Kusuma M | Development of resource material in Kannada for training Pphonotactic Structure in Children with Apraxia of Speech | Dr. Swapna N |
| 54 | Madhusudhan B.M | Assessment of voice characterstics through virtual mode (co-guide) | Dr. T Jayakumar |
| 55 | Mallika | Knowledge and use of visual strategies by SLPs in Language Learning in children with ASD | Dr. Anjana B Ram |
| 56 | Mansi | School Administrators’ Knowledge on the Rights of Children with disabilities and their readiness for inclusion | Dr. Anjana B Ram |
| 57 | Mohamed Abuthalha. M | An Objective Method of Quantifying Vocal Breathiness | Dr. K Yeshoda |
| 58 | Niranjana P | Exploration of Vocal Fatigue in Trained Carnatic Singers using Vocal Fatigue Index-Version 2 (VFI-2) | Dr. K Yeshoda |
| 59 | Patel Siddhi Deepak | Development of Syntactic Linguistic Processing activities for individuals with aphasia- A Virtual Training Manual | Dr. Hema N |
| 60 | Pradyumna | Awareness and perception of developmental milestones of children upto 3 years of ageamong parents in urban setup | Dr. Jayashree C Shanbal |
| 61 | Priyanka N | Development of multi-media manual for school teachers on voice and its disorders | Dr. Reuben T Varghese |
| 62 | Rini K.R | Development of vocal education material for individuals with puberphonia | Dr. T Jayakumar |
| 63 | Rushali Hemantkumar Thakar | Development Of Cognitive Linguistic Intervention Manual in Hindi for persons with Dementia: An adaptation of CLIM- Malayalam | Dr. S.P Goswami |
| 64 | Shinsi | Treatment resource material for group therapy in adults who stutter | Dr. Sangeetha M |
| 65 | Sri Ranjani V | Acoustic Voice Quality Index in young phononormals using SOVT- Frication exercise: comparison of pre-post training | Dr. K Yeshoda |
| 66 | Sumathi N | Adapted tasks and activities in virtual mode for cognitive training in adults with cognitive impairments | Dr. Hema N  (Co-Guide) |
| 67 | Syam Krishna V | Characteristics of Clients in AIISH Voice Clinic: A Retrospective Study | Dr. R Rajasudhakar |
| 68 | Tanvi Sanghavi | Assessment of Pharyngeal Dysphagia through Fiberoptic Endoscopic Evaluation of Swallowing: A tutorial | Dr. Swapna N |
| 69 | Thanuja | Self rated and clinician rated parameters of speech effort in stuttering | Dr. Anjana B Ram |
| 70 | Thirumanjari K | Development of Visuo-Spatial Organization Activities for Individuals with Right Hemisphere Damage/Traumatic Brain Injury- A Virtual Training Manual | Dr. Hema N |
| 71 | Veda | Development and validation of an online technique for Assessment of stuttering in Kannada speaking adults | Dr. Sangeetha M (Co-Guide) |
| 72 | Vijayeshwari | Effect of phonological and morphological factors on stuttering frequncy in adult who stutter: a systematic review | Dr. Santosh M |
| 73 | Vyshna Babu T | Development of vocal education material for older adults in Malayalam | Dr. T Jayakumar |
| 74 | Yaazhini O.D | Development of Treatment Manual for Oral Dysphagia | Dr. Swapna N |
| 75 | Zainab Ismail | Development Of Cognitive Linguistic Intervention Manual in English for persons with Dementia: An adaptation of CLIM- Malayalam | Dr. S.P Goswami |

**SCIENTIFIC PRESENTATION**

1. Amulya P. Rao, Prathima, S. & Sreedevi, N. (2021). Frequency of consonant production errors in children with speech sound disorder: a retrospective-descriptive study. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON), Kolkata.
2. Chandni Jain, Devi, N., Jyothi, S. & Divya Mary Jose (2021). Parent’s satisfaction on tele-listening training for children with hearing impairment during COVID-19. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON), Kolkata.
3. Devaraju, D. S., Kumar, U.A. & Maruthy, S. (2021). Altered neural mechanisms during audio-visual perception in adults who stutter. Paper presented at the 12th Oxford Dysfluency Conference (Online).
4. Geetha, C., Chandni Jain & Keerthi, S.P. (2021). Relationship between auditory processing abilities and aided speech perception in noise in elders. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON), Kolkata.
5. Kavya, V., Swapna, N., Mekhala, V. G., Prabhu, P., & Barman, A. (2021). Profiling the linguistic patters in children with specific language impairment. Poster Presented at the 3rd Convention of Speech and Hearing Association of India, West Bengal Branch (SHAIWBCON), Kolkata.
6. Kavya, V., Swapna, N., Mekhala, V. G., Prabhu, P. & Barman, A. (2021). Oral and verbal praxis in impaired language learners. Paper presented at the 3rd International Conference of Speech and Hearing Association of India West Bengal Branch (SHAIWBCON), Kolkata.
7. Murthy, Kavya S. & Shanbal, Jayshree C. (2020). Tele-Orientation and awareness on communication disorders during COVID 19: innovative methods to reach the unreached. Paper presented at the India International Science Festival (IISF) (Online).
8. Ranjini V, Rushali T, Prashanth P.P, Abhishek B.P and Pushpavathi M (2021). Utilization of social media as a tool to create awareness about communication disorders: A content analysis. Paper presented at SHAIWBCON, AYJNISHD (D), Kolkata.
9. Rushali Thakar, & Prathima, S. (2021). Speech-language and swallowing abilities in lance-adams syndrome: a case report. Paper presented at the 3rd International Conference of Speech and Hearing Association of India West Bengal Branch (SHAIWBCON), Kolkata.
10. Sangeetha, M., Jyothi, R., & Anu, P. (2021). Effect of word class on disfluencies of monolingual and bilingual school-age children who stutter. Paper presented at the 3rd International Conference of Speech and Hearing Association of India, West Bengal branch (SHAIWBCON), Kolkata.
11. Shalini, M. & Shanbal, Jayshree C. (2020). Innovative technology for tele-speech therapy during COVID-19: a single case study of a person with aphasia. Paper presented at the India International Science Festival (IISF) (Online).
12. Srikar, Malavi & Shanbal, Jayshree C. (2020). Innovative technology for online speech therapy during COVID-19: a single case study of a child with rhotacism in a multilingual context. Paper presented at the India International Science Festival (IISF) (Online).
13. Srushti S, Pushpavathi, M and Gopi Sankar, R. Diagnostic accuracy of acoustic voice quality index v.02.03 to discriminate across the auditory perceptual based voice severity. Paper presented at SHAIWBCON, AYJNISHD (D), Kolkata. Received best paper award under speech oral category.
14. Sushma Manjunath and Pushpavathi, M. (2020). Acoustic Analysis of Glottal Stops in Children with Cleft Lip and Palate: A Preliminary Study. Poster presentation for ASHA conference, USA.
15. Sushma, M and Pushpavathi, M (2021). Impact of articulation therapy on perceptual characteristics of bilabial in children with repaired cleft lip and palate. Paper presented at SHAIWBCON, AYJNISHD (D), Kolkata.
16. Thanuja, D. & Shanbal, Jayshree C.(2020). Innovative technology for tele-rehabilitation during COVID-19: a single case study of a child with speech sound disorder. Paper presented at the India International Science Festival (IISF) (Online).
17. Veerabhadrappa, R. C., Vanryckeghem, M. & Maruthy, S. (2021). Adaptation and validation of the speech situation checklist - emotional reaction (SSC-ER) for Kannada-speaking school-age children who do and do not stutter. Paper presented at the 12th Oxford Dysfluency Conference (Online).
18. Veerabhadrappa, R.C. & Maruthy, S. (2021). Efficacy of prolonged speech and pause and talk techniques in school-aged children who stutter: a comparison. Paper presentedat the 12th Oxford Dysfluency Conference (Online).
19. Vijetha, Palnaty (2021). Teachers’ knowledge about hearing impairment and referral services in Ooty, Tamil Nadu. Paper presented at the National Conference on Teacher Education in the 21st Century: Vision and Action, Regional Institute of Education, NCERT, Bhopal.

**SEMINAR/CONFERENCE PROCEEDINGS**

1. Abraham, Ajish K., Pushpavathi, M., Sreedevi, N., Navya, A. & Prasanna, S. R. M. (2020). Spectral moment and duration of burst of plosives in speech of children with hearing impairment and typically developing children – a comparative study. *Proc. Interspeech 2020* (pp.4981-4985). DOI: 10.21437/Interspeech.2020-1805.
2. Abraham, Ajish K., Pushpavathi, M., Sreedevi, N. & Navya, A. (2019). Exploring acoustic measures of vowels (VSA, FCR3 VAI4, VFR) in children with hearing impairment.  In Calhoun, Sasha, Paola, Escudero Marja Tavain & Warren, Paul (Eds.), *Proceedings of the 19th International Congress of Phonetic Sciences*, (pp. 1064-1068). Melbourne, Australia (pp. 1064-1068).
3. Nandeesha, B. (2021). Emerging trends in library services. In Rathinasabapathy, G., Veeranjaneyulu, K. & Srinivas, V. (Eds.) *International Conference Proceedings on Agriculture Librarians and User Community (ICALUC-2021) on Management of Knowledge Resource Centres in the Networked Digital Environment: Trends, Challenges and Opportunities* (pp. 211-217). University of Agriculture Sciences, GKVK, Bangalore.
4. Pushpavathi M., Abraham A. K., Mahadeva Prasanna S. R., Girish, K. S. (2021) Perceptual judgments of resonance, speech understandability, and speech acceptability in children with repaired cleft palate across words and sentences. In: Singh M., Rafat Y. (Eds) *Recent Developments in Acoustics. Select Proceedings of the 46th National Symposium on Acoustics*. (pp. 75-83). Springer, Singapore. <https://doi.org/10.1007/978-981-15-5776-7_7>.
5. Pushpavathi M., Kavya V., Akshatha V. (2020) Impact of timing of surgery on the development of speech in toddlers with repaired cleft lip and palate. In: Singh M., Rafat Y. (Eds) *Recent Developments in Acoustics. Select Proceedings of the 46th National Symposium on Acoustics*. Springer, Singapore. <https://doi.org/10.1007/978-981-15-5776-7_10>

**SCIENTIFIC PUBLICATION**

1. Abraham, A.K. & Ravishankar, M.S. (2020). A case study of acoustic intervention in classrooms. *Building Acoustics*. <https://doi.org/10.1177/1351010X20975765>.
2. Antony, P.J. & Barman, A. (2020). Effect of sinusoidally amplitude modulated broadband noise stimuli on stream segregation in individuals with sensorineural hearing loss. *Auditory Vestibular Research*. 29(4), 209-219.
3. Anuprasad, S., Krishan, R., Pradeep, P.N., Ananthanarayan, K., Arun. (2021). Evaluation of auditory spectral resolution abilities in children with benign epilepsy with centrotemporal spikes using spectral temporally modulated ripple test. *Epilepsy & Behavior*, 114, <https://doi.org/10.1016/j.yebeh.2020.107620>
4. Barman, A., Prabhu. P., Narayanan, S., Vijayan, K. & Mekhala, V.G. (2021). Electrophysiological findings in specific language impairment: a scoping view. *Hearing Balance and Communication*, 19(1), 26-30.
5. Barman, A., Prabhu, P., Mekhala, V. G., Kavya, V. & Swapna, N. (2020). Auditory processing in children with specific language impairment: a FFR based study. *Indian Journal of Otolaryngol Head Neck Surgery*, <https://doi.org/>10.1007/s12070-020-02127-x.
6. Basaiahgari, N. & Prabhu, P.P. (2021). Effect of chemical exposure –diammonium hydrogen phosphate along with noise exposure on hearing – a case study. *ISAM Journal*, 14-17.
7. Basiahgari, N. & Prabhu, P.P. (2021). Audiological assessment in a young adult with hyperacusis – a case report. *ISAM Journal*, 44-46.
8. Bhat, P. & Krishana, R. (2020). Pitch coding in vocalists and non-musicians to Carnatic music stimuli: a frequency following response (FFR) study. *International Journal of Health Sciences and Research*, 10, 16-21.
9. Chaudhary, C., Maruthy, S., Guddattu, V. & Krishnan, G. (2021). A systematic review on the role of language - related factors in the manifestation of stuttering in bilinguals. *Journal of Fluency Disorders*, https: // doi.org/ 10.1016/ j.jfludis .2021.105829.
10. Chandrasekhar, H.M., Veena, K. & Sreedevi, N. (2020): Investigation of diffeent time-frequency representation for intelligibility assessment of dysarthric speech. *IEEE Transanctions on Neural Systems and Rehabilitation Engineering*, 28(12), 2880-2889. doi: 10.1109/TNSRE.2020.3035392.
11. Dafiah, P.M. & Swapna, N. (2020). Variations in the amplitude and duration of hyolaryngeal elevation during swallow: Effect of sour and carbonated liquid bolus. *Physiology & Behavior*, 224, https://doi.org/10.1016/j.physbeh.2020.113028.
12. Darshan, H.S., Goswami, S.P. (2020). Effect of distance between marker agreement dependencies on sentence comprehension in persons with aphasia. *Annals of Indian Academy of Neurology,* 23(8), 149-155.
13. Deepak, P., & Goswami, S.P. (2020). Effectiveness of semantic-based treatment in persons with aphasia. *Annals of Indian Academy of Neurology*. 23(8), 123-129.
14. Deepak, P. & Goswami, S.P. (2020). Effect of semantic cueing for verbs and its thematic role approach on priming of verbs and its thematic roles in persons with aphasia. *Journal of Indian Speech and Hearing Association*, 34, 273-283. DOI: 10.4103/jisha.JISHA\_6\_20
15. Devadas, U., Vinod, D. & Maruthy, S. (2020). Immediate effects of straw phonation in water exercises on parameters of vocal loading in carnatic classical singers. *Journal of Voice*, <https://doi.org/10.1016/j.jvoice.2020.11.007>
16. Devraju, N.B. & Upadhyay A. K. (2020). Impact of Covid-19 on school readiness of children with special needs. *Journal of Disability Management and Rehabilitation*, 6(2), 47-52.
17. Dhivya, D. & Upadhyay, A.K. (2020). Use of computer assisted instruction in developing memory skill for preschool children with hearing impairment. *Journal of Disability Management and rehabilitation*, 6(1), 10-16.
18. Dhrruvakumar, S., Shambhu, T., & Konadath, S. (2021). Assessment of hidden hearing loss in individuals exposed to occupational noise using cochlear, neural, temporal functions and quality of life measures. *Indian Journal of Otolaryngology and Head & Neck Surgery*. https://doi.org/10.1007/s12070-021-02373-7.
19. Dwarakanath, V.M. & Manjula, P. (2020). Influence of working memory and speech perception ability on hearing aid use and benefit in older adults. *Journal of Hearing Science*, 10(4), 27-32**.**
20. Dwarakanath, V.M., Neelamegarajan, D., Fakruddin, D.B. & Basaiahgari, N. (2021). Hearing aid programming satisfaction measure during Covid 19. *ISAM Journal*, 24-29.
21. Fei, Z., Manchiah, K.V., Claire, L.S., Berth, D., Jones, L., Brandreth, M., Rajalakshmi, K. & Goodwin, R. (2015). Exploring the influence of culture on hearing help-seeking and hearing-aid uptake. *International Journal of Audiology*, 54(7), 435-443. <https://doi.org/10.3109/14992027.2015.1005848>.
22. Gopalakrishnan, I.K. & Venkatesan, S. (2020). Risk factors associated with neurodevelopment disorders in high socioeconomic status families: brief Indian analysis. *Innovare Journal of Education*, 8(2), 1-11.
23. Gopalakrishnan, I.K. & Venkatesan, S. (2020). Role of executive functions/working memory in parenting children: a narrative study. *Indian Journal of Applied Research*, 10(9), 1-3.
24. Gopalakrishnan, I.K. & Venkatesan, S. (2020). Factors influencing parental decisions of participants in neuropsychological study of neurodevelopment disorders. *Indian Journal of Mental Health*, 7(3), 263-265.
25. Gopalakrishnan, I.K. & Venkatesan, S. (2020). Working memory as endophenotype in first-degree relatives of children with neurodevelopment disorders: an Indian account. *Journal of Journal of Psychology*, 11(1-2), 1-11. DOI: 10.31901/24566292.2020/11.1-2.197.

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2. Goswami, S.P. (2020). Rights of persons with disability act: a boon for persons with aphasia. *Annals of Indian Academy of Neurology*, 23(8), 51.
3. Hema N., Neelamegarajan, D., & Jesnu Jose Benoy. (2021). Investigating distinct semantic processing ability in individuals with dementia using the n-back task. *Aphasiology*, <https://doi.org/10.1080/02687038.2020.1868394>.
4. Hrishtha, V. M., Sharma, V., Ali, N.M., Jose, J. & Prabhu, P. (2020). Does martial art training improve binaural integration? - a preliminary study. *The Journal of Acoustical Society of India*, 47(1), 1-5.
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6. Jain, C., Ghosh, P. V., Chetak, K. B., & Aishwarya, L. (2020). Maturation of speech perception in noise abilities during adolescence. *International Journal of Pediatric Otorhinolaryngology*, 139, <https://doi.org/10.1016/j.ijporl.2020.110459>.
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12. Karuppannan, A. & Barman, A. (2021). Wideband absorbance pattern in adults with otosclerosis and ossicular chain discontinuity. *Auris Nasus Larynx*, 48(4), 583-589. DOI: [10.1016/j.anl.2020.10.019](https://doi.org/10.1016/j.anl.2020.10.019).
13. Konadath, S., Raveendran, R., & Krishna, Y. (2020). Perception of speech stress in children with hearing impairment. *International Journal of Pediatric Otorhinolaryngology*, 140, <https://doi.org/10.1016/j.ijporl.2020.110495>.
14. Krishna, Y., Raveendran, R. & Konadath, S. (2020). Perception of vocal emotional prosody in children with hearing impairment. *International Journal of Pediatric Otorhinolaryngology,* 137(3). <https://doi.org/10.1016/j.ijporl.2020.110252>.
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18. Kumar, P., Singh, N.K., Sanju, H.K., & Kaverappa, G.M. (2020). Feasibility of objective assessment of difference limen for intensity using acoustic change complex in children with central auditory processing disorder. *International Journal of Pediatric Otorhinolaryngology*, 137, <https://doi.org/10.1016/j.ijporl.2020.110189>.
19. Kumaraswamy, P.T., Shambulingegowda, A., Neelanmegarajan, D. (2020). Effect of canal widening (type I tympanoplasty) on hearing sensitivity. *International Journal of Otorhinolaryngology Head and Neck Surgery*, 6, 2086-93.
20. Kumar, P., Sanju, H. M., Oovattil, R. H., Ganapathy, M. K., & Singh, N. K. (2020). Utility of acoustic change complex as an objective tool to evaluate DLI in cochlear hearing loss and auditory neuropathy spectrum disorder. *American Journal of Audiology*, 29, 375–383. DOI: 10.1044/2020\_AJA-19-00084.
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1. Veerabhadrappa, R. C., Vanryckeghem, M. & Maruthy, S. ( 2021). CAK:  Communication attitude test in Kannada for school-age children who stutter. All India Institute of Speech and Hearing (AIISH).
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