

SHRIYA BASU, Ph.D-CCC SLP

Assistant Professor

California State University Long Beach
Department of Speech Pathology, Lab 129
1250 Bellflower Blvd. Long Beach , CA

*[Contact info redacted
for online publication]*

EDUCATION

Ph.D.

Department of Speech Language and Hearing Sciences
University of Minnesota
Minneapolis, Minnesota.

August 2019

Major: **Speech Language and Hearing Sciences**
Minor: **Cognitive Science**

Masters in Audiology and Speech Language Pathology
College of Allied Health Sciences, Manipal University
Manipal, India

2008

Bachelor of Science (Speech and Hearing)
University of Mysore,
Mysore, India

2006

AWARDS AND HONORS

*First rank in Bachelor of Science (Speech and Hearing), University of Mysore, 2005-2006
(Equivalent to summa cum laude)*

*First rank in Master of Audiology and Speech Language Pathology Manipal University, 2007, 2008
(Equivalent to summa cum laude)*

Best Outgoing Student Award, College of Allied Health Sciences, Manipal University, 2008

GRANTS:

CSULB Grant Ready Status -Fall 2021 – Applied (Pending Decision)

Graduate School Summer Fellowship, Summer 2018

Bryng Bryngelson, Research Award, Fall 2016; Fall 2017, Spring 2018

Council of Graduate Studies Conference Travel Grant, Fall 2015

Graduate Research Partnership Program Grant, Summer 2015

CLA Research, Creative Activity, and Research funds for Conference travel, November 2014

TEACHING EXPERIENCE

California State University-Long Beach, CA
Department of Speech Language Pathology

Fall 2020-Present

Graduate Courses Taught: Seminars in Motor Speech Disorders, Seminars in Dysphagia, Seminar in Fluency, Voice and Resonance Disorders

*Each graduate seminar is a part of mandatory course curriculum for MASLP program; was involved in developing syllabus and course materials to promote didactic pedagogical practices, problem solving, critical thinking and incorporating cultural diversity issues. Development and modification of activities to cater to online mode of learning and maximizing student engagement in a synchronous online classroom. Eliciting student feedback and incorporating data based changes to teaching. Providing support for developing assessment and treatment skills in clinic, simulation activities. Practicing and promoting mental health strategies in remote learning to promote student wellness

Undergraduate Courses Taught: Voice and Resonance Disorders, Motor speech and Fluency Disorders

*Undergraduate courses taught were a part of higher level undergrad courses for SLP majors; was involved in developing syllabus and course materials to promote awareness, fundamental concept building , problem solving, critical thinking and incorporating cultural diversity issues. Development and modification of activities to cater to online mode of learning and maximizing student engagement in a synchronous online classroom. Eliciting student feedback and incorporating data based changes to practice equitable teaching and assessment practices . Practicing and promoting mental health strategies in remote learning to promote student wellness.

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University of Minnesota, Twin Cities
Department of Speech Language and Hearing Sciences

Teaching Assistant

SLHS 1301: Physics and Biology of Spoken Language

**Spring 2018,
Fall 2017,
Fall 2016**

This was an intensive 4 credit course that is offered at the U of M as a mandated pre-requisite for students interested in Speech Science. As a part of my assignment, I conducted a lecture session on neuroscience of hearing and language; Instructed Bi-weekly Lab sections (honors and regular enrollment) on key concepts such as physics of sound and measurement of acoustic signals, source filter theory of speech production, acoustics of vowels and consonants, speech intelligibility. graded weekly lab assignments and exams; held office hours, met with students individually and in group to address questions and concerns. Management of online student forum and grading via Canvas Software

SLHS 3402: Capstone Project in Speech-Language and Hearing Sciences **Spring 2018
Spring 2019**

This is a mandatory requirement for all the undergraduate students in their senior year who are graduating with a Speech Language and Hearing Sciences major. As a part of my assignment I mentored 16 students who had to submit a capstone paper to fulfill the requirements of this course; conducted individual meetings to develop the paper, research articles using academic database, discuss and improve scientific writing, APA format and work towards developing presentation of the final project. Management of online student forum and grading via Canvas Software

SLHS 1401/3401: Communication Differences and Disorders

**Fall 2017,
Spring 2017,
Spring 2014,
Fall 2013**

Conducting review sessions with key topics such as introduction to speech language and communication, childhood speech and language disorder, adult neurogenic disorders. Conducting individual student review, grading assignments and exams, holding office hours, meeting with students individually and in group to address questions and concerns. Management of online student forum and grading via Moodle Software

SLHS 3402: Major Projects in SLHS

Spring 2017

Like the Capstone project course, assigned in Spring 2018. Conducting individual student review, grading assignments and exams, holding office hours, meeting with students individually and in group to address questions and concerns. Management of online student forum and grading via Moodle Software

SLHS 3305: Speech Science

Fall 2016

Conducted individual student review, graded assignments and exams, held weekly office hours, met with students individually and in group to address questions and concerns; assisted with understanding concepts such related to acoustics for students who had not attended a prerequisite course.

Graduate Instructor

SLHS 5503: Fluency and Motor Speech Disorders

Fall 2015

During this assignment I was solely responsible for teaching this graduate level course to MA SLP students. As a part of the assignment, I prepared and presented lectures on Fluency and motor speech disorders, based on approved syllabus, prepared teaching materials slides and provided reading and video resources on the content, managed the course website on Moodle, designed in-class activities and assignments to facilitate active learning principles. Designed and graded projects. Provided necessary feedback to improve student performance.

Management of online student forum and grading via Moodle.

Developed question for SLHS Comprehensive Exams 2016 for the Fluency exam and graded the exams

Curricular Teaching requirement

SLHS 1401/ 3401 Communication Differences and Disorders

Spring 2015

Prepared and delivered lecture on speech and language difficulties in children with pediatric hearing loss, for two class session. Prepared class content and provided online and offline resources to the students. Used active learning strategies and in class activities to facilitate student learning. Designed and graded a short multiple-choice type exam.

Teaching Assistant

SLHS 3304: Phonetics

Spring 2015

Conducted individual student review and provided training for transcription, graded assignments and exams, held office hours, met with students individually to improve their listening training for phonetic transcription for native and non-native English sounds

SLHS 3302: Anatomy and Physiology Related to Speech and Hearing Fall 2014

Gave brief lectures on review content, held exam review sessions, graded assignments and exams, held office hours, met with students individually to improve their reasoning skills and addressing multiple choice questions

Teaching Experience Outside of US

West Bengal University of Health Sciences, India

National Institute for Hearing Handicapped

Lecturer

Fall 2010- Spring 2013

Undergraduate Courses: Introduction to Speech and Hearing Sciences; Childhood language disorders, Adult neurogenic language disorders. Speech and Language Disorders; Phonology and Articulation Disorders; Motor speech Disorders in Children and adults; Hearing Aids and Amplification Devices for the Hard of Hearing; Rehabilitative Audiology; Noise and Hearing Measurements

Delivered lectures, Prepared Lesson Plan, Designed and Graded exams, Designed and graded assignment, led biweekly lab sections, Conducted Clinical Practical examinations for class of 30-40 students.

Graduate Courses: Auditory Physiology

Delivered lectures, Prepared Lesson Plan, Designed and Graded exams, Designed and graded assignment, Conducted Practical examinations for a class of 15 students; Served as primary advisor and mentor for 4 students in their masters dissertation thesis projects.

Mysore University, India

JSS Institute of Speech and Hearing

Lecturer

Fall 2008- Spring 2009

Undergraduate Courses: Introduction to Speech and Hearing; Diagnostic Audiology; Rehabilitative

Audiology; Organization and Administration in Speech and Hearing

Delivered lectures, Prepared Lesson Plan, Designed and Graded exams, Designed and graded assignment, led biweekly lab sections, Conducted Practical examinations for class of 30-40 students.

RESEARCH EXPERIENCE

California State University-Long Beach

Fall 2020- Present

Establishment of Disfluency Lab ; Training undergraduate student volunteers to participate in Stuttering research.

Project Title : Influence of COVID 19 in quality of life in adults who stutter

Currently PI for this project, collaborating with Dr. Lei Sun. Development of Questionnaire for survey research; Submission and approval of IRB for a survey based project ; the project is active and data is being collected on the project currently

University of Minnesota, Twin Cities

Department of Speech Language and Hearing Sciences

Summer 2016 to Summer 2019

Fluency Lab: Dissertation Research

Research Assistant and Doctoral Candidate

Advisor: Dr. Jayanthi Sasisekaran

Title: *Influence of Cognitive variables in Syntactic planning in Children who do and do not stutter*

Brief Description of Responsibilities:

Development of stimuli for sentence task (primary task) and visual task (secondary task), Standardization and validation of stimuli; programming research protocol using E prime in collaboration with CLA LATIS; Pilot testing developed program. Recruiting participants and running children who do and do not stutter on the program at E prime interface; transcription and acoustic analysis of data

University of Minnesota, Twin Cities

September 2013 till Summer 2018

Department of Speech Language and Hearing Sciences

Fluency Lab : Related Research

Research Assistant

Lab Director and Project Advisor: Dr. Jayanthi Sasisekaran

1. Project Title: *Influence of Cognitive Skills on Rhyming: Differences in Children who do and do not stutter*

Description of Responsibilities: Recruitment and Running participants who do and do not stutter and analyzing data from Dual Task paradigm using Superlab; Performing standardized test such as EVT, PPVT, LAC- 3, CELF, TONI. acoustic analysis of data using PRAAT; statistical analysis of data.

2. Project Title: *Effects of practice and retention of nonwords on speech accuracy and movement kinematics in children who stutter*

Description of Responsibilities: Running subjects using OptoTrack device and analysis of movement trajectory of speech, preparation of manuscript.

3. Project Title: *Effects of syntactic complexity of utterances on fluent and disfluent speech behaviors in children*

Description of Responsibilities: Transcription analysis of data using SALT software and CLAN analysis. Linguistic and disfluency analysis coding of the data, establishing reliability.

4. Project Title: *The Influence of Executive Functions on Phonemic Processing in Children Who Do and Do Not Stutter*

Description of Responsibilities: Analyzing data from Dual Task paradigm using Superlab; acoustic analysis of data using PRAAT; statistical analysis of data, preparing manuscript for publication

5. Untitled Project : Running subjects in for EEG study and analyzing EEG data; Analyzing EEG data using MATLAB.

Collaborative Research in other Labs

University of Minnesota, Twin Cities

September 2014 till Fall 2015

Department of Speech Language and Hearing Sciences

Audiology and Psychoacoustic Lab

Project Advisor: Dr. Robert. S Schlauch

Project Title: Backward Masking of Tones and Speech in people who do and do not stutter

Designing experiment with backward masking protocol for individuals who stutter and running subjects for the experiment, Performing standardized test such as EVT, CELF, TONI. acoustic analysis of data using PRAAT, statistical analysis of data. Preparation of conference poster presentation. Grant writing and development of manuscript.

Child Language Lab

Fall 2015

Project Advisor: Dr. Lizbeth Finestack

Project Title: Language Profile in School-going children who do and do not stutter

Transcription and coding of data using SALT software. Syntactic analysis of linguistic unit.

Preparation of conference poster presentation

RESEARCH INTERESTS

Fluency Disorders, Cognitive Processes in Language Processing and production in school going children, Role of attention, working memory and executive function, influence of attention and cognitive variables in children from bilingual and multilingual background, development of assessment tools for evaluating children from bilingual backgrounds.

PUBLICATION/PRESENTATION

PUBLICATIONS:

In Review:

Sasisekaran, J., Basu, S., & Lei, X (2020) Task variations and its effects on language productivity, syntactic complexity, and stuttering in children who stutter (Submitted)

Sasisekaran J., & Basu, S (2020) Rhyming and Dual Tasking in school age children who do and do not stutter (in review, Journal of Fluency Disorders)

PUBLISHED

Sasisekaran, J., **Basu, S.**, & Weathers, E. (2019). Movement kinematics and speech accuracy in a nonword repetition task in school-age children who stutter. *Journal of Communication Disorders*, 105916.

Basu, S., Schlauch, R., Sasisekaran, J. (2018) Backward Masking of Tones and Speech in people who do and do not stutter. *Journal of Fluency Disorders*, 57, 11-21

Sasisekaran, J., & **Basu, S.** (2017). The Influence of Executive Functions on Phonemic Processing in Children Who Do and Do Not Stutter. *Journal of Speech, Language, and Hearing Research*, 60, 2792-2807.

Keshree,N., Kumar,S., **Basu, S.**, Chakrabarty, M., & Kishore,T.(2013). Adaptation of The Western Aphasia Battery in Bangla. *Psychology of Language and Communication*. Vol. 17. no.2

Kumar S, **Basu, S.**, Chatterjee, I., & Sinha, A. (2012). The effect of menstrual cycle on nasal resonance characteristics in females. *Communication Disorders Quarterly*. August 2012 vol. 33 no. 4,245-248

Kumar, S., Paul, N., **Basu, S.**, & Chatterjee, I.(2012). Effects of hearing loss on vocal fold vibrations: an electroglottographic analysis. *Eastern Journal of Medicine* vol. 17 no.1

Manuscripts under Preparation:

Basu S. & Sasisekaran J. Influence of cognitive skills on rhyming: Differences between children who do and do not stutter

PRESENTATIONS:

Proposal # 11783: *The Effects of Task Variations on Sample length, Language Complexity, and Stuttering Disfluencies*. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).

Basu S. (2020) *Disfluency characteristics in Domain Specific Dual Task in School-age Children who Stutter*. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).

Basu S. & Sasisekaran J (November 2019). *Are deficits in cognitive resources domain specific in children who stutter?* [Technical research session] Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL

Sasisekaran J, Basu S., & Lei X. (November 2019). *Effects of Syntactic Complexity of Conversational Utterances on Disfluent Speech in Children* [Poster session] Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL

Basu S & Sasisekaran J (November 2017). *Influence of cognitive skills on rhyming: Differences between children who do and do not stutter* [Flash session] Annual Convention of the American Speech-Language-Hearing Association. Los Angeles, CA

Basu S (January 2017) *Perspectives in Assessment of Stuttering* [Invited talk: Plenary Session]. 49th Indian Speech and Hearing Association Convention, Kolkata, India,

Basu S., Schaluch RS., & Sasisekaran J. (November 2016) *Backward masking in adults who stutter* [Poster session], Annual Convention of the American Speech-Language-Hearing Association , Philadelphia, PA

Basu S., Schaluch RS., & Sasisekaran J. (December 2016) *Backward masking in adults who stutter* [Poster session], 5th Joint Meeting Acoustical Society of America, Honolulu, Hawaii, 2016

Weathers E, Sasisekaran J, & Basu S (November 2016). *Speech Errors and Movement Variability in Non -Word Repetition task in Children who Stutter*, [Poster Session] Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA

Basu S., Finestack L., & Sasisekaran J (November 2015) *Language Profiles of younger and older School Age Children Who Stutter*, [Poster Session] Annual Convention of the American Speech-Language-Hearing Association , Denver, CO

Basu S., & Sasisekaran J (November 2014) *Effects of Concurrent Task Demands on Language Planning in Children Who Do and do not Stutter*, [Poster Session] Annual Convention of the American Speech-Language-Hearing Association , Orlando, FL

Basu S & Majumdar A (2013) *Experience of stuttering and its impact on quality of life*, [Poster Session] National Conference of Indian Speech Language and Hearing Association (ISHACON) 45, Chennai, India, 2013

An insight into the trend in processing analogy types in sign language users, ISHACON 45, Chennai, India, 2013

Effects of Stroop interference in individuals with brain damage, Continuing Medical Education and Continuing Rehabilitation Education meeting dedicated to the single theme of Aphasia, Indore, 2012, India

Voice outcome in Provox II users, National Conference of Indian Speech Language and Hearing Association (ISHACON) 43, Kolkata, 2011

Effects of nicotine abuse on High Frequency Distortion Product Oto- Acoustic Emissions, ISHACON 42, Bangalore, 2010

Technical Education for the Hearing impaired: An insight into the practical challenges encountered, National seminar on Issues Related to Disability at Indira Gandhi National Open University (IGNOU), Delhi, 2009

Estimating normative distortion product levels and gender preponderance in high frequency distortion product otoacoustic emissions, ISHACON 41, Pune, 2009

Types, Classification and Associated problems in Aphasia, National seminar on Aphasia – Basics and recent trends, Manipal, 2007

Developmental Perspective on Derivative nouns in Kannada, ISHACON 38, Ahmedabad, 2006

CLINICAL EXPERIENCE

EBS Healthcare

August 2019-July 2020

Speech Language Pathologist

Full time SLP and ESY SLP under Clinical Fellowship (CF) program. Servicing children with Speech, Language and other health impairment at Broward County public schools in greater Miami area, Florida. My weekly caseload consisted of 90+ children in age range of 14-21 yrs in high school setting who are attending therapy in Specialized Varied Education (SVE) classes as well as children with speech and language disorders attending general education classroom. Summer ESY consisted of 40 + children in elementary schools.

Direct Services

I am involved in providing direct services, in terms of speech and language evaluation and therapy for children with cognitive disability, autism spectrum disorder, specific language deficit, mixed receptive expressive language deficit due to other health impairments, phonological disorder, fluency disorder. Collaborating and implementing high tech and low tech alternative augmentative communication (AAC) for non-verbal children with Autism, Cognitive and Motor disabilities. Documenting services using Accelify software.

Evaluations

My responsibilities include evaluation for Language, Fluency and Articulation disorders. evaluation and planning for determining eligibility for services. Evaluation of present level of performance for annual IEP and planning intervention goals and participating in IEP meetings. Performing interim re-evaluations for cases with significant concerns in classroom performance

Consultations

I am also involved in part of a collaborative team in providing monthly speech and language consultation for children. During this process I collaborate with the teachers, special educators and behavior specialist to create assistive plans that are implemented collaboratively.

AYJNIHH Eastern Regional Center Kolkata, India

July 2010- August 2013

Lecturer and Clinical Supervisor

Supervised student clinicians in speech and language therapy at the zonal clinic of the National Institute of speech and hearing disabilities for pediatric and adult cases with speech and language disorder.

Conducted research and played a key role in material development, standardization and publication of Western Aphasia Battery in Bangla (see publication list)

AMRI medical Center, Kolkata, India

Oct 2009- July 2010

Speech Language Pathologist and Audiologist

Provided speech and language therapy to pediatric patients with childhood language disorders and adults with stuttering, geriatric patients with neuromotor speech disorder and language disorder.

*Graduate and Undergraduate observation

Student clinician

Over 3000 hours of case observation and clinical service under supervision at University of Mysore and Manipal during MA.SLP and BASLP.

CERTIFICATIONS

Certificate of Clinical Competence -SLP (**CCC-SLP**) from American Speech Language and Hearing Association

Certified SLP- California Speech Language Pathology and Hearing Aid Board

SLP Certification(provisional) from Board of Speech Language Pathology and Audiology, Florida State Department of Health

Certified in Basic Life Support Adult, Child and Infant CPR and AED (CPR Today™)

Certified SLP in India

PROFESSIONAL ACTIVITIES AND SERVICES

California State University-Long Beach

-Service to Graduate Admission Committee; conducting resume reviews and interviews for prospective students and participating in intake decision making process.

Service to SLP comprehensive exam

Reviewer-Journal of Fluency Disorders

November 2019

**Asian Indian Caucus (AIC)- Multicultural group under ASHA
Vice President -Public Relation**

August 2019-Present

Asian Indian Caucus is a part of the Muticultural constituency groups (MCG) under American Speech Language and Hearing Association (ASHA). Responsibilities for the position include planning and coordinating activities related to public outreach, organizational growth and fund-raising. These activities shall include, but are not limited to, maintaining the website, recruiting new members, coordinating AIC's participation in the multicultural booth at the annual ASHA convention, identifying and working with potential donors, fundraising, and working closely with the editors to disseminate relevant information

Editorial Committee -ASHAKIRAN

Nov 2016

ASHAKIRAN is an annual newsletter for the Asian Indian Caucus that is a part of Multi- cultural group Their annual newsletter is released during ASHA convention. Reviewing and Editing Manuscripts, Providing feedback to authors, Formatting Newsletter using Microsoft Publisher

National Conference of Speech and Hearing Association of India, 49th ISHACON

Jan 2017

Volunteer, Organizing Committee
Performed duties as Master of Ceremony for the proceedings at Day -1 for the convention, and award ceremonies.

Indian Speech and Hearing Association, West Bengal Chapter

Treasurer and Executive Committee Member
Participating in meeting and recording moments,
Financial Planning and record keeping, joint signatory authority for expenses, preparing mission statement

Nov 2012- Nov 2013

National Conference of Speech and Hearing Association of India, 43rd ISHACON

Co-Chairperson, Scientific Committee
Organizing scientific sessions in the conference,
lining up presentations, arranging individual chairpersons and moderators within each session

Jan 2011

PROFESSIONAL MEMBERSHIPS

ASHA American Speech Language and Hearing Association

Former member NSSHLA-

Asian Indian Caucus- Multicultural group under ASHA

International Fluency Association

Indian Speech and Hearing Association

Rehabilitation Council of India

ADDITIONAL INFORMATION

Languages Known:

- English , Bengali (native proficiency)
- Hindi , Kannada (working proficiency)
- Spanish (Level 1- Elementary proficiency)