

Leena Dihingia

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Research Interest

Acoustic Phonetics, Vowel systems, Speech perception, Language variation, Dialectology, Socio-phonetics, Northeast Indian languages

Education

- 2021 Ph.D in Linguistics, Indian Institute of Technology, Guwahati
Thesis title: "Vowel Acoustics of Assamese Spoken in Five Geographical Locations."
Ph.D Supervisor: Dr. Priyankoo Sarmah, Professor, Dept.of HSS, IITG
Course work grade: 8.5
- 2012 M.A in Linguistics, Jawaharlal Nehru University, New Delhi (7.56 on 9 point scale, i.e., 80.6%)
- 2010 B.A in English Literature, Cotton College, Guwahati (55.6%)
- 2007 H.S.S.L.C Diphu Govt. College, Diphu (77.8%)
- 2003 H.S.L.C St. Agnes' High School, Haflong (77.1%)

Employment

- August, 2021 - present Adjunct faculty, Dept. of HSS, IIT Dharwad
- January, 2021 - present Guest faculty, Dept. of Linguistics, University of Delhi
- August, 2019 - May, 2020 Guest lecturer, Dept. of Assamese, Gauhati University
- April, 2013 - April, 2016 Junior Project Fellow, IIT Guwahati.
- August, 2012 - October, 2012 Lecturer in English, Mathurapur Junior College, Sivasagar.

Courses taught

- Undergraduate B.Tech, Semester-III,V

Postgraduate	<ul style="list-style-type: none"> • Introduction to Linguistics <p>M.A in Linguistics, Semester-I</p> <ul style="list-style-type: none"> • Phonetics-I (Introduction to Phonetics) <p>M.A in Linguistics, Semester-IV</p> <ul style="list-style-type: none"> • Phonetics-III (Methods in Phonetic analysis) <p>M.A in Linguistics, Semester-III</p> <ul style="list-style-type: none"> • Second Language Acquisition <p>M.A in Assamese, Semester-III</p> <ul style="list-style-type: none"> • Contact languages of North-East India <ul style="list-style-type: none"> – Unit I: Introduction – Unit II: Language shift and language maintenance • Structure of Assamese Language <ul style="list-style-type: none"> – Unit I: Phonology <p>M.A in Assamese, Semester-IV</p> <ul style="list-style-type: none"> • Applied Linguistics <ul style="list-style-type: none"> – Unit IV: Language teaching methods • Trends in Linguistics <ul style="list-style-type: none"> – Unit III: Semiotics
Undergraduate	Taught courses in General English and Alternative English to Higher Secondary first and second year students.

Publications

- Sarmah, P., Dihingia, L. & Reddy, N.H. (2013). "Perception of high vowels in Rabha". Proceedings of Acoustics 2013, New Delhi, India.
- Sarmah, P., Dihingia, L., & Choudhury, D. (2015). "An acoustic study of Bodo vowels". *Himalayan Linguistics*, 14(1).
- Sarmah, P., Dihingia, L. & Lalhminghlui, W (2015). "Contextual Variation of Tones in Mizo". Proceedings of Interspeech 2015, Dresden, Germany.
- Dihingia, L. & Sarmah, P (2017). "Vowel perception in two Assamese varieties". Proceedings of Seoul International Conference on Speech Sciences 2017, Seoul, South Korea.
- Dihingia, L. & Sarmah, P (2020). "Rhythm and Speaking Rate in Assamese". Proceedings of Speech Prosody 2020, Tokyo, Japan.
- Sarmah P. & Dihingia, L (2021) (forthcoming). "Assamese Dialect Identification from Vowel Acoustics". Data Engineering for Smart Systems. Lecture Notes in Networks and Systems 238. P. Nanda et al.(eds.). Springer Nature Singapore Pte Ltd.

Presentations

- Priyankoo Sarmah, Leena Dihingia and Narravula Harshavardhan Reddy, "Perception of High Vowels in Rabha", ACOUSTICS 2013, 2013, New Delhi
- Leena Dihingia and Wendy Lalhminglhui, "Contextual Variation of Low Tones in Mizo", GRM14, 2014, Guwahati
- Priyankoo Sarmah, Leena Dihingia and Wendy Lalhminglhui, "Contextual Variation of Low and Rising Tones in Mizo", SEALS25, 2015, Chiang Mai
- Leena Dihingia, Dimple Choudhury and Priyankoo Sarmah, "An acoustic analysis of vowels in Western Assamese dialects", ICOLSI-37, 2015, New Delhi
- Leena Dihingia, Dimple Choudhury and Priyankoo Sarmah, "A Sociolinguistic Study of Lexical Variation in Assamese", NEILS-9 2016, Tezpur
- Leena Dihingia and Dimple Choudhury, "A preliminary study of cross-generational vowel variation in Barpetiya Assamese", HLS 22, 2016, Guwahati
- Leena Dihingia, Priyankoo Sarmah, "Vowel Space in Assamese Dialects", HLS23, 2017, Tezpur
- Leena Dihingia, Priyankoo Sarmah, "Vowel perception in two Assamese varieties". SICSS 2017, Seoul.
- Leena Dihingia, Pamiir Gogoi, Priyankoo Sarmah, "Correlates of speaking rates and rhythm in varieties of Assamese". WESPAC 2018, New Delhi.
- Dhruvajyoti Doley, Leena Dihingia, Priyankoo Sarmah, "Acoustic analysis of vowels in Mising". WESPAC 2018, New Delhi.
- Leena Dihingia, Priyankoo Sarmah, "Spectral properties of diphthongs in two varieties of Assamese". HISPhonCog 2019, Seoul.
- Leena Dihingia, Priyankoo Sarmah, Dhruvajyoti Doley, "The missing tones in Mising". SEALS29, 2019, Tokyo.

Resource Person for Training Workshop

- Resource Person (assisting), Workshop on Acoustic Phonetics (March 2 - 4, 2017), Dept. of Linguistics, University of Delhi.
- Resource Person, Workshop on Linguistic Tools (September 27, 2017), Centre for Endangered Languages (CFEL), Rajiv Gandhi University, Itanagar.

Workshop participation

- Workshop on Image and Speech Processing (WISP) 2013. IIT Guwahati, India (Dec. 13-14, 2013)
- National Seminar cum Workshop on Translation and Assamese Literature: History and Theory, IIT Guwahati, India (Mar. 7-8, 2014)

- Workshop on Tone and Intonation: Theory, Typology and Computation (WTI 2012), IIT Guwahati, India (Mar 7-8, 2016)
- Workshop on The Mind Matters: Language, Cognition and Other Correlations, IIT Guwahati, India (Mar 12, 2016)
- Winter School of Speech and Audio Processing 2018, IIT Guwahati, India (Jan. 19-22, 2018)
- Workshop on Voice User Interfaces (WVUI 2018) IIT Guwahati, India (Mar 01-03, 2018)
- Workshop on Cognition and Bilingualism: Why there is debate about the cognitive advantage of being bilingual. HISPhonCog 2019, Hanyang University, Seoul (May 23, 2019).

Other qualifications and experience

- Qualified UGC-National Eligibility Test for Lecturership in Linguistics (September, 2012)
- Student organizer, Graduate Research Meet 2015, (October 28-30, 2015), Dept. of HSS, IIT Guwahati.
- Student organizer, Himalayan Languages Symposium, (June 8-10, 2016), IIT Guwahati.
- Student organizer, 38th International Conference of Linguistic Society of India (ICOLSI-38), (November 10-12, 2016), IIT Guwahati.
- Volunteered as speech data transcriber in the Gutob language documentation project, 2018, under Living Tongues Institute of Endangered Languages.
- Managed lab stocks at Phonetics and Phonology lab at IIT Guwahati and took care of equipment purchase.

Skills

- Linguistic Softwares: Praat, Wavesurfer, Elan,
- Statistical computing: SPSS, R

Membership

- Life member, Linguistic Society of India (LSI)
- Student member, International Speech Communication Association (ISCA)

Academic References

1. Dr. Priyankoo Sarmah (Ph.D supervisor)
Associate Professor
Dept. of Humanities and Social Sciences
Academic Complex, Block F
Indian Institute of Technology Guwahati
Guwahati-781039, Assam

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2. Prof. Samudravijaya. K
Adjunct Faculty
IIT Dharwad and NMIMS (Mumbai)
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