

## Dr. Amalesh Gope

Department of English

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## Research Interests

Tonology, Speech technology and Digital Corpora, Computational Phonology and Intonation, Image and Signal Processing (Ultrasound imaging to bio-colloids), Speech Perception, and Language Documentation.

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## Academic Profile

1. **Assistant Professor**, Tezpur University, April 2016 to date.
  - 22.04.2016 to 20.03.17 on **contract**;
  - 20.03.17 to date, **Assistant Professor (permanent)**, Department of English, Tezpur University.
2. **September, 2016: PhD in Linguistics**, IIT Guwahati, Guwahati, India.  
Title of the Thesis: *The Phonetics and Phonology of Sylheti Tonogenesis*.
3. **August 2009 - July 2010: M.Phil coursework** completed, University of Hyderabad, Hyderabad, Andhra Pradesh, and promoted to PhD based on M.Phil coursework performance and UGC NET-JRF.
4. **August 2007 - July 2009: MA in Applied Linguistics**, University of Hyderabad, Hyderabad, Andhra Pradesh.
5. **December 2009: Qualified National Eligibility Test (NET)** in Linguistics for Lectureship conducted by **UGC**, (UGC Ref. No: 1625 (NET-DEC-2009) and was awarded **Junior Research Fellowship (JRF)** by UGC.
6. **May 2003 - June 2006: BA in English (Hons.)**, Bir Bikram Memorial College, Tripura Central University, Tripura, India.

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## Publications

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### a) Journal

1. Pal, A., **Gope, A.**, Obayemi, J. D., and Iannacchione, G. S. (forthcoming, accepted). Concentration-driven phase transition and self-assembly in drying droplets of diluting whole blood. *Scientific Reports*.
2. Pal, A., **Gope, A.**, Athair, A. S., and Iannacchione, G. S. (2020). A comparative study of the drying evolution and dried morphology of two globular proteins in de-ionized water solutions. *RSC Advances*, 10(29), 16906 - 16916. <https://doi.org/10.1039/D0RA01748E>.

3. Pal, A., **Gope, A.**, and Iannacchione, G. S. (2019). A Comparative Study of the Phase Separation of a Nematic Liquid Crystal in the Self-assembling Drying Protein Drops. *MRS Advances*, 4(22), 1309 - 1314. <http://doi:10.1557/adv.2019.209>.
4. Pal, A., **Gope, A.**, Kafle, R., and Iannacchione, G. S. (2019). Phase Separation of a Nematic Liquid Crystal in the Self-assembly of Lysozyme in a Drying Aqueous Solution Drop. *MRS Communications*. 9(1), 150 - 158. <https://doi.org/10.1557/mrc.2019>.
5. Mahanta, S., and **Gope, A.** (2018). Tonal polarity in Sylheti in the context of noun faithfulness. *Language Sciences*. 69, 80 - 97. <https://doi.org/10.1016/j.langsci.2018.06.010>
6. **Gope, A.** (2018). The Phoneme Inventory of Sylheti: Acoustic Evidences. *Journal of Advanced Linguistic Studies (JALS)*. 7(1-2), 7 - 37.
7. **Gope, A.** (2011). Exploring the sociolinguistic variations of Tripura Bangla with special reference to West Tripura variety. *Language Forum*. 37(2), 19 - 30, ISSN 0253-9071.

## b) Conference Proceedings

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1. Mahanta, S., and **Gope, A.** (2019). Voiceless Sonorants and Lexical Tones in Mog. In S. Calhoun, P. Escudero, M. Tabain and P. Warren (Eds.) *Proceedings of the 19th International Congress of Phonetic Sciences*. Melbourne, Australia, pp. 3852-3856.
2. **Gope, A.**, and Mahanta, S. (2016). Perception of Lexical Tones in Sylheti. In DiCanio, C. et. al (Eds). *Proceedings of the TAL-2016*. Buffalo, NY. DOI:10.21437/TAL.2016. [http://isca-speech.org/archive/TAL\\_2016/](http://isca-speech.org/archive/TAL_2016/).
3. **Gope, A.**, and Mahanta, S. (2016). Correlation between Sylheti tone and Phonation. In J. Barnes, A. Burgos, S. Shattuck-Hufnagel, and V. Nanette (Eds). *Proceedings of the Speech Prosody 2016*. Boston, Lincolnshire, England, ISSN: 2333-2042. DOI:10.21437/SpeechProsody.2016. [http://www.isca-speech.org/archive/SpeechProsody\\_2016/](http://www.isca-speech.org/archive/SpeechProsody_2016/).
4. Mahanta, S., Das, K., and **Gope, A.** (2016). On the Phonetics and Phonology of Focus marking in Boro. *Proceedings of the Annual Meeting of Phonology 2015*. Linguistic Society of America. Vancouver, Canada. ISSN 23773324. DOI:<http://dx.doi.org/10.3765/amp.v3i0.3668>.
5. **Gope, A.**, and Mahanta, S. (2015). An Acoustic Analysis of Sylheti Phonemes. In The Scottish Consortium for ICPhS 2015 (Eds). *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK. (ISBN 978-0-85261-941-4). Paper number 0630. <http://www.icphs2015.info/pdfs/Papers/ICPHS1041.pdf>.
6. **Gope, A.**, and Mahanta, S. (2014). Lexical Tone in Sylheti. In C. Gussenhoven, Y. Chen, and D. Dediu (Eds). *The 4th International Symposium on Tonal Aspects of Languages*. Nijmegen, The Netherlands, (pp. 10-14). ISCA Archive, [http://www.isca-speech.org/archive/tal\\_2014](http://www.isca-speech.org/archive/tal_2014).

## c) Book Chapters

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1. **Gope, A.**, Baruah, H., and Saikia, K. (in press). The Phoneme Inventory of Amri Karbi, *Special Volume of the select papers of the ELKL 6*. CIIL Mysore. (ISBN- 978-81-947955-5-1).

2. Aman, A., Dash, N. S., Chakraborty, J., and **Gope, A.** (in press). Consonants in Khortha. *Alternate Horizons*, Lincom Europa. pp. 336-352.
3. Pal, A., **Gope, A.**, and Iannacchione, G. S. (in press). Statistical Image Analysis of Drying Bovine Serum Albumin Droplets in Phosphate Buffered Saline. *Information Retrieval Models for Biomedical and Health Informatics*. Artificial Intelligence and Soft Computing for Industrial transformation, Scrivener-Wiley.
4. **Gope, A.**, and Raguibou, I.D. (forthcoming, accepted). An Acoustic Analysis of Tone in Yimchunger. *Phonological Aspects of Biате, Khelma, Hrangkhoh, Onaeme, Purum, Liangmai and Yimchunger*. Tezpur University Publication (Special Edition).
5. Widinibou, C., and **Gope, A.** (forthcoming, accepted). An The Phonetics and Phonology of Liangmai. *Phonological Aspects of Biате, Khelma, Hrangkhoh, Onaeme, Purum, Liangmai and Yimchunger*. Tezpur University Publication (Special Edition).
6. Pal, A., **Gope, A.**, and Iannacchione, G. S. (2019). Image-Based Analysis of Patterns Formed in Drying Drops. *International Conference on Pattern Recognition and Machine Intelligence*, Springer, Cham, pp. 567-574. (Online ISBN 978-3-030-34869-4).
7. Debnath, A., **Gope, A.**, and Khan, T. (2012). Focus Particles and Ambiguity Resolution in Bangla and Hindi-Urdu. *Coalescence* Mudranik Technologies Pvt. Ltd., (Pothi. Com), pp. 128-135. (ISBN 978-81-921178-4-3).
8. **Gope, A.**, and Irene, N. V. (2012). Facets of Sign Language. *Coalescence* Mudranik Technologies Pvt. Ltd., (Pothi. Com), pp. 128-135. (ISBN 978-81-921178-4-3).
9. **Gope, A.**, and Irene, N. V. (2010). Linguistic Analysis of West-Tripura Variety of Bangla: A Descriptive Study in Sivashanmugam, C. et al. (Eds). *New Perspectives in Linguistics*, Department of Linguistics, Bharathiar University. India, pp. 198-205. (ISBN 978-81-910681-5-3).
10. Irene, N. V., and **Gope, A.** (2010). Semantics of Indian Sign Language: An Empirical Study with Reference to Polysemy in Sivashanmugam, C. et al. (Eds). *Readings in Applied Linguistics*, Department of Linguistics, Bharathiar University. India, pp. 241-250. (ISBN 978-81-910681-6-0)

#### d) Editorial Work

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1. Patgiri, B., **Gope, A.**, and Sarangthem, B. (ready to go to press). *Phonological Aspects of Biате, Khelma, Hrangkhoh, Onaeme, Purum, Liangmai and Yimchunger*. Registrar, Tezpur University Press, approved and accepted.
2. Charengna W. In Patgiri, B., and **Gope, A.** (Eds.) (2017). *A Learner's Book of Liangmai Language*. Assam. Registrar, Tezpur University Press.
3. Debnath, A., Khan, T., **Gope, A.**, and Madhavi, B. *Coalescence*. Mudranik Technologies Pvt. Ltd., Bangalore (Pothi. Com), 2012. (ISBN 978-81- 921178-4- 3)

#### e) E-Content

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1. Video Lecture: Generation of e-module (as part of TLC's mission to generate e-content), funded by MHRD, Govt., of India under PMMMNMTT Scheme. (Published on June 18, 2020). <https://youtu.be/DHQMjHiLcN8>

2. Video Lecture: Generation of e-module (as part of TLC's mission to generate e-content), funded by MHRD, Govt., of India under PMMMNMTT Scheme. (Published on Dec 21, 2018). <https://www.youtube.com/watch?v=PMR6dK8jSfM&t=129s>
3. Authored two Units (unit no. 8 and 9) of a Module (Module III - *Applied Linguistics and General Phonology*), for the M.A in English (Self-Learning) Program) Offered by CODL, Tezpur University.

## f) FDP Courses (Selected)

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1. Participated in a 4-day *Online Basic Training Program on use of ICT in Teaching at Teaching Learning Centre (TLC)*, Tezpur University. 20th – 23rd April, 2020.
2. Attended a Month-long **Induction Training of Faculty** organized by TLC, Tezpur University. 23rd November – 22nd December, 2017.

## M.A Dissertation Supervised

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1. Prangshu Manjul (EGD15001). *A Psychoacoustic Analysis of Mandarin Tone by Non-Native Adult Speakers*. (2015-2017 batch).
2. Prashanta Hazarika (EGD15002). *Sounds and Syllables in Tai- Turung*. (2015-2017 batch).
3. Kabita Borah (EGD15006). *An Acoustic Analysis of Kokborok Tone*. (2015-2017 batch).
4. Gitanjali Chetry. (EGD15007). *Intonation and Focus Marking in Chaparmukh-Nagaon Variety of Nepali*. (2015-2017 batch).
5. Nibedita Rajbangshi. (EGD15014). *A Digital Database and Phonological Description of Bongaigaon Rajbangshi*. (2015-2017 batch).
6. Shaima Fahmida. (EGD15015). *The Phonetics and Phonology of Mymenshingia*. (2015-2017 batch).
7. SilpiShikha Barkakati. (EGL15002). *A Digital Database and Manually Tagged Corpus for Rabha*. (2015-2017 batch).
8. Himashree Baruah. (EGL15003). *A Pronunciation Dictionary of AmriKarbi*. (2015-2017 batch).
9. Rijumoni Rajput. (EGL15005). *Intonation and Focus Marking in Sylheti*. (2015-2017 batch).
10. Manokh Hazarika. (EGL15011). *A Manually Tagged Corpus and Digital Database Preparation for Tai-Turung*. (2015-2017 batch).
11. Kabita Kumari. (EGL15012). *Composition of Compounds and Preparation of Digital Database in Garo*. (2015-2017 batch).
12. Rashmika Goswami. (EGL15019). *A Digital Database and Semantic Network of Words in Missing*. (2015-2017 batch).
13. Abhijita Medhi. (EGL16001). *Some Aspects of Rongdani Rabha*. (2016-2018 batch).

14. Mridushmita Das. (EGL16003). *Analysis of Kokborok Phoneme*. (2016-2018 batch).
15. Ankon Buragohain. (EGL16005). *An Ontological Analysis of a Few Verb Classes in Mising*. (2016-2018 batch).
16. Krishangi Saikia. (EGL16005). *The Phonetics and Phonology of Noakhali*. (2016-2018 batch).
17. Debraj Gogoi. (EGD16004). *An Acoustic Analysis of Meitei Tone*. (2016-2018 batch).
18. Debika D. Sangma. (EGD16005). *Acoustic Analysis of Garo Stop Consonants and Vowels*. (2016-2018 batch).
19. Neha Chakraborty. (EGD16007). *Correlation Between Tone and Phonation: Evidences From a Few North-Eastern Languages of India*. (2016-2018 batch).
20. Sikhasmita Bora. (EGD16008). *An Acoustic Analysis of Karbi Tone*. (2016-2018 batch).
21. Sunijyoti Kalita. (EGD16010). *Acoustic Analysis of Mising Vowels*. (2016-2018 batch).
22. Jakia Yasmin Khan. (EGD16014). *A Digital Database of Bundeli*. (2016-2018 batch).

## Seminar / Workshop

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### a) Resource Person / Invited Talks (Selected)

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1. Delivered an invited talk on the ‘**Acoustic Phonetics: Instrumental Techniques, Data Analysis and Modelling**’ at the CURAJ Linguistics Talk Series, organized by Department of Linguistics, School of Humanities and Languages, Central University of Rajasthan, India (19th September, 2020).
2. Chaired a session at the ‘**Virtual International Conference on Multiple Dimensions of South Asian Literary Imagination: Classic to Contemporary**’ organized by Yonphula Centenary College, Royal University of Bhutan, Bhutan (10th September to 12th September, 2020).
3. Delivered two lectures on ‘**Introduction to Linguistics and its Components**’ organized by Yonphula Centenary College, Royal University of Bhutan, Bhutan (1st June to 2nd June, 2020).
4. Delivered five lectures and hands-on training as a Lead Resource Person in the workshop entitled ‘**A Boot Camp on Theoretical and Experimental Phonology**’ organized by the, CIIL Mysuru, India (17th June to 25th June, 2019).
5. Delivered an invited lecture on the ‘**Linguistic and Historical Aspects of the Sylheti Language**’ organized by the Department of English, Maryam Ajmal Women’s College of Science and Technology, Hojai, Assam, India (29th September, 2018).
6. Delivered two lectures as a **Lead Resource Person** in the 3-week Intensive Training Programme entitled ‘**Introduction to Translation**’ organized by the NTM, CIIL Mysore, India (26th September, 2017).

7. Delivered four lectures as a **Lead Resource Person** in the workshop entitled '**An Advanced Workshop on Laboratory Phonetics and Phonology**' organized by the ETU, CIIL Mysore, India (27th September to 30th September, 2017).
8. Delivered a talk and served as an **External Expert** on '**Experimental Phonetics**' in the Advanced Academic Programme (Linguistics) for the North Eastern States (**AAP(L)NES-2017**) held at the Indian Statistical Institute, North East Centre, Tezpur, Assam, organized by Linguistic Research Unit, Indian Statistical institute, Kolkata; ISI North East Centre, Tezpur; and the Dept. of English and Foreign Languages, Tezpur University, Assam (9th March to 11th March, 2017).
9. Delivered a talk on '**Linguistics as a Window to Understand Brain and Communication**' as a **Resource Person** at the national workshop *Basics to Insights into Linguistics and Phonetics (BILaP-17)* organized by the Department of English, Panskura Banamali College, Purba Medinipur, West-Bengal, India (6th January, 2017).
10. Served as **Principal Resource Person** in the workshop entitled *A Ten Day Workshop on Documentation and Archiving of Hruso Aka and Koro* organized by the Centre for Endangered Languages, Department of English and Foreign Languages, Tezpur University, India (20th September to 30th September, 2016).
11. Served as **Principal Resource Person** in the workshop entitled *Indigenous Native Speakers' Workshop* organized by the Centre for Endangered Languages, Department of English and Foreign Languages, Tezpur University, India (14th June to 27th September [14days], 2016).
12. Delivered a talk on '**Acoustic Properties of Tone Languages: Phonation, Spectral cues and Consonantal Effects**' as a **Resource Person** in the Workshop on *Acoustic Phonetics and Tone* organized by the Department of English and Foreign Languages, Tezpur University, India (24th February to 26th February, 2015).

## b) Paper Presentations (Selected)

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1. **Image-Based Analysis of Patterns Formed in Drying Drops** in **8th International Conference on Pattern Recognition and Machine Intelligence** organized at Tezpur University, Tezpur, Assam, India. (17th December to 20th December, 2019).
2. **Voiceless Sonorants and Lexical Tones in Mog** in **19th International Congress of Phonetic Sciences** organized at Melbourne Convention Centre, Melbourne, Australia (5th August to 9th August, 2019).
3. **Linguistics Scenario in Tripura** in **National Seminar on English in India: Curricular, Cultural and Critical Shifts** organized by the Department of EFL, Tezpur University (28th March to 29th March, 2019)
4. **Consonant Weakening and Tone in Noakhali** in **40th International Conference of Linguistic Society of India (ICOLSI 40)**; (Panel Discussion) (5th December to 7 December, 2017).
5. **Voiceless Sonorants and Lexical Tone in Mog**. in **40th International Conference of Linguistic Society of India (ICOLSI 40)**; (Panel Discussion) (5th December to 7 December, 2017).

6. **An Acoustic Analysis of Missing Vowels in 40th International Conference of Linguistic Society of India (ICOLSI 40); (Technical Session)** (5th December to 7th December, 2017).
7. **Preparation of Digital Lexical Database from a Multi-Domain Sylheti Speech Corpus** presented in **23rd International Conference of Himalayan Languages Symposium [HLS23]** (5th July to 7th July, 2017).
8. **Production of Mandarin Tone by Non-Native Adult Speakers** presented in **23rd International Conference of Himalayan Languages Symposium [HLS23]** (5th July to 7th July, 2017).
9. **Sounds and Syllables of Tai-Turung** presented in **5th International Endangered and Lesser-known Languages Conference [ELKL-5]**, Central University of Jharkhand, Ranchi, India (24th February to 26th February, 2017).
10. **Generation of a Digital Lexical Database from a Multi-Domain Khortha Speech Corpus through Lexicographic Glossing and Annotation** presented in **5th International Endangered and Lesser-known Languages Conference [ELKL-5]** Central University of Jharkhand, Ranchi, India (24th February to 26th February, 2017).
11. **Correlation between Sylheti tone and Phonation** presented in **Speech Prosody 2016, Boston, Lincolnshire, England.** (31st May to 3rd June, 2016).
12. **Perception of Lexical Tones in Sylheti** presented in **TAL-2016, Buffalo, New York** (24th May to 27th May, 2016).
13. **Polarization and Tonal Dissimilation: A case of Sylheti Suffixation** presented in the **3rd Workshop of Tone and Intonation (WTI-3)**, IIT Guwahati (7th January to 8th January, 2016).
14. **Tone and Intonation in Sylheti: A preliminary observations** presented in the **3rd Workshop of Tone and Intonation (WTI-3)**, IIT Guwahati (7th January to 8th January, 2016).
15. **On the Phonetics and Phonology of Focus marking in Boro** presented in the **Annual Meeting of Phonology 2015, Vancouver, Canada** (9th October to 11th October, 2015).
16. **Phonation and Sylheti Tonogenesis** presented at **37th International Conference of the Linguistic Society of India, JNU, India** (15th October to 17th October, 2015)
17. **An Acoustic Analysis of Sylheti Phonemes** presented in the **18TH International Congress Of Phonetics Sciences, IChPS-2015, GLASGOW, UK** (10th August to 14th August, 2015)
18. **Lexical Tone in Sylheti** presented in the **4th International Symposium on Tonal Aspects of Languages- TAL 2014**, at **Radboud University, Netherlands** (13th May to 16th May 2014).
19. **Acoustic analysis of Phonemes with reference to Deori and Amri Karbi** presented in the **8th Students Conference of Linguistics in India (SCONLI-08)** at **University of Kashmir, India** (24th March to 26th March, 2014).

20. **Tones in Sylheti** presented in the **South Asian Languages Roundtable 30** at **CALTS, University of Hyderabad, India** (6th February to 8th February, 2014).
21. **The Phonetics and Phonology of Focus Marking in Bodo** presented in the **2nd Workshop on Tone and Intonation at English and Foreign Languages University Hyderabad (EFLU, Formerly CIEFL), India** (21st and 22nd February, 2013).
22. **Phylogenetic Analysis of a Few Languages of Assam** presented in the **18th Himalayan Languages Symposium** at the **department of Linguistics, Banaras Hindu University [BHU], India** (10th September to 12th September, 2012).

A handwritten signature in black ink, appearing to read 'Ajit', with a long horizontal stroke extending to the right.

(Self attested)