Curriculum Vitae

Prof. Madhumita Barbora, HOD, Department of EFL, Tezpur University Coordinator, Centre for Endangered Languages, Tezpur University

Date of joining Tezpur University 5th Jan 1995 Previous service Darang College, Tezpur, 1st Jan 1983 to 4th Jan 1995

Area of specialization: Syntax, Field Linguistics: Documentation of Tibeto-Burman languages of North East India and Applied Linguistics

On Going documentation project 2015 onwards:

Documentation of seven lesser known, less researched and endangered languages: Biate, Hrangkhol and Khelma (Assam), Onaeme and Purum (Manipur) and Liangmai and Yimchunger (Nagaland) at the **Centre for Endangered Languages**, Tezpur University.

Documentation and Revitalization of Ntenyi (Nagaland), Khongdei (Manipur) and Zyphe (Mizoram): Three Endangered Languages of Northeast India. Project approved by North East Council (NEC), Shillong, Meghalaya on 23rd September, 2020 and 50 % fund received in the month of December 2020, project started from January 2021. Prof. M. Barbora Principal Investigator (PI), Dr. Arup Nath, Associate PI, Dr. Bobita Sarangthem, Assistant PI.

Projects Completed

Project titled 'Digital Language Preservation' (DLP) awarded by Department of Electronics and Information Technology (DeitY), New Delhi, from April, 2013 to Deccember, 2016.

Project titled 'Indian Languages Corpora Initiative (ILCI) Phase-2' awarded by Department of Electronics and Information Technology (DEITY), New Delhi, from 17/12/2012 to 31/04/2016.

Project titled 'Language Contact and Convergence study of Bugun (Khowa) of West Kameng District of Arunachal Pradesh. Awarded by Indian Council of Social Science Research (ICSSR), New Delhi, from 24/06/2012 to 23/06/2014

Project titled 'Grammatical Description of Bugun (Khowa) of West Kameng District of Arunachal Pradesh, awarded by University Grants Commission (UGC), New Delhi 1st May 2009 to 31st July 2011

Book Published

Bugun Nyo Thau: Bugun Reader (2015). Eastern Book House Publishers (India), Guwahati, ISBN 978-93-83252-54-1

Oral Communication' (2007) Text book written for the Department of Distance Education, Rajiv Gandhi University, Doimukh, Arunachal Pradesh.

Books Edited

- **1. Aspects of Modern Assamese (2016)**. Eds: Madhumita Barbora & Gautam Borah. Published by Bhabani Offset Pvt. Ltd for Tezpur University. ISBN 978-81-931983-3-9
 - **2.** Hrangkhol Nam Chunga Irchuna Lekhabu: Learner's Book of Hrangkhol (2017) Ed. Madhumita Barbora. Published by Bhabani Offset Pvt. Ltd for Tezpur University. ISBN 978-81-935387-6-0

Journal (International)

Wangno, T and Barbora, M (2021) "Nocte Kinship System, Terminologies and its affinity to PTB Roots" in *Indian Journal of Multi-lingual Research and Development* (IJMRD) Vol 2, Issue 3. Publishers: Asian Research Association. DOI https://doi.org/10.34256/ijmrd2135, August 14.08.2021

https://journals.asianresassoc.org/index.php/ijll/about/editorialTeam

Daimari S.K., Goyal V. Singh and M. Barbora. (2018). 'Development of Part of Speech Tagger for Assamese Using HMM' in **International Journal of Synthetic Emotions Vol 9. Issue 1 January – June 2018**.

Barbora, M and Wangno,T (2015). 'Bugun Language: Maintenance Issue' in **Linguistics of Tibeto Burman Languages** (LTBA) Vol 38.2 December 2015 (Special Issue). Editor David Bradely, ISSN 0731-3500/e-ISSN 2214 – 5907 @ John Benjamins Publishing Company

Journals (National)

Sinha, N and Barbora M (2021)"Language Endangerment Amongst Hruso-Aka and Koros" in *Vaak Manthan* Vol 6, Issue 11. Pages 1-16. Published by Society for Endangered and Lesser Known Languages (SEL), India ISSN 2426 2149, Peer Reviewed Bi-Monthly Journal.

Das, Palash., Barbora, Madhumita. (2020). Derivational Morphology of Assamese Lexical Word Categories. India Journal of Language and Linguistics, 1(2), 1-15. DOI: https://doi.org/10.34256/ijll2021

Das, G. and Barbora. M (2020) 'Non-Finite Verb in Banai'in **Aligarh Journal of Linguistics**. Pages71-78: ISSN 2249-1511, http://www.amu.ac.in/department/linguistics/ournals

Das,P, Barbora, M. and Sharma, U. (2019) 'Morphological Rule Formulation for Nouns in Assamese to Develop Morphological Tools" in **Language in India**. Pages 349-364. Issue February2019. ISSN: 1930-2940

Barbora, M. (2006) 'Acquisition of English (L2): A comparative study of English and Assamese medium schools of Assam'. **Anves: A Bilingual Journal Vol I NoI** pages 88 - 113, January –June 2006, Bani Mandir Guwahati.

Barbora, M. (2004). 'Subject- Object Wh- questions: Acquisition by L2 learners'. **Prace-Bhasha –Vignan: Indian Journal of Linguistics Vol:23.** Pages 19-31, January – December 2004. Published by the West Bengal Institute of Linguistics

Barbora, M.(1998), 'Causatives in Assamese'. **CIEFL Occasional Papers in Linguistics Vol 7**. Pages 20-39. Editorial Board M. Hariprasad, H. Nagarajan, P. Madhavan, K.G. Vijayakrishnan, K.V. Tirumalesh. Published by Department of Linguistics & Contemporary English, CIEFL, Hyderabad, October 1998

Book Chapter (International)

Sinha,N. and Barbora M (2019) 'Nominalization in Koro in **Investigationes Linguisticae. Vol 41**. Pages: 157-163 amu.edu.pl. Poland. DOI: https://doi.org/10.14748/il.2018.41.ii. ISSN 1426-188X, ISSN (online)1733-1757. INDEXED by Jstor, WorldCat, Google Scholar.

Moshahary,J and Barbora, M (2019). 'Syntax and Interfaces with Morphology and Semantics in Dimasa Causative Constuctions'in **Language in Focus: Contemporary Means and Methods in ELT and Applied Linguistics.** Pages: 399-422 Language in Focus Publisher.Cukurova University-Turkey, The University of Sheffield International Faculty, City College-Greeceand the South-East European Research Centre (SEERC).

Barbora, M. Acharya,P and Wangno, T. (2015) 'Numerals in Bugun, Deori and Nocte' in **North East Indian Linguistics (NEILs) Volume 7**. Eds. Stephen Morey et al, ISBN 9781-922-185-273 (e-book) Asia pacific Linguistics, Australia

Barbora, M. (2012), 'Nominalization and the Nominalized clause in Assamese' in **North East Indian Linguistics (NEILS): Vol 4.** Eds Stephen Morey, Mark Post & Gwendolyn Hyslop. Foundation Books, Cambridge University Press, New Delhi. 2012, ISBN 978-81-7596-930-8

Dey, L. and M. Barbora(2012), 'Copula in Assam Sadri' in **North East Indian Linguistics** (**NEILS**): **Vol 4.** Eds Stephen Morey, Mark Post & Gwendolyn Hyslop. Foundation Books, Cambridge University Press, New Delhi. **ISBN 978-81-7596-930-8**

Barbora, M. (2009) 'The non-finite marker *-la* and *-pc* in Mising' in **North East Indian Linguistics** (**NEILS**) **Vol 2:** Eds Stephen Morey & Mark Post. Pages: 198-218. Foundation Books, Cambridge University Press, New Delhi. Anonymously peer reviewed. ISBN 978-81-7596-714-4

Barbora, M and Post, M (2008). 'Quest for a Script'. **North East Linguistics Society** (**NEILS**): **Vol 1**. Eds Stephen Morey & Mark Post. Pages: 255-270. Foundation Books, Cambridge University Press, New Delhi, 2008. Anonymously peer reviewed. ISBN 978-81-7596-600-0

Barbora, M. (2007) 'The Particle *ne* in direct *yes-no* questions'. **Linguistic Theory and South Asian Languages. Essays in honour of K.A. Jayaseelan Vol 102.** Eds: Josef Bayer, Tanmoy Bhattacharya & M.T. Hany Babu. Pages 199-214. John Benjamins Publishing Company, Peer reviewed, ISBN 978-90272 33660(Hb; alk, paper)

Book Chapter (National)

1.Moshahary, J and Barbora, M. (2019) 'Nonverbal Predicate Clause in Dimasa and Boro' in Monali Longmailai (Ed) **Studies on Dimasa History, Language and Culture. Vol-II,** pages 45-55. DYF Delected Papers. DVS Publishers. Guwahati. ISBN: 978-93-85839-32-0

Barbora, M. and Nath, D. (2016) The Agentive Ergativity in Assamese. In M.Barbora and G.K.Borah (eds). **Aspects in Modern Assamese**. Bhabani Print and Publications, Guwahati.

Barbora, M. (2016) 'Causative Constructions in Assamese'. In M.Barbora and G.K.Borah (eds). **Aspects in Modern Assamese**. Bhabani Print and Publications, Guwahati.

Barbora, M. (2016) 'The Particle ze: A clitic, a Wh-Operator or a Complementizer?' In M.Barbora and G.K.Borah (eds). **Aspects in Modern Assamese**. Bhabani Print and Publications, Guwahati

Language Endangerment: A Perspective' in **Endangered Cultures and Languages in India** (2015). Eds. GK Bera and K. Jose SVD. Spectrum, Guwahati, ISSN 0976-1322

Conducted Workshops and Conferences

Second Regional Workshop of Centre for Endangered languages from 6th to 8th April 2016

'Workshop on Documentation of Endangered Languages' from 18th to 20th March 2016

North East Indian Linguistics (NEILS)-9, international conference in Department of EFL, Tezpur University, from 5th to 7th February 2016.

Workshop on Tone and Acoustics Phonotics from 26rd to 27th February 2015

 1^{st} Regional Workshop of Centre for Endangered Languages from 31^{st} July to 2^{nd} August 2014

North East Indian Linguistics (NEILS)-6, international conference in Department of EFL, Tezpur University, from 31 January to 2 February 2011.

5 day international workshop from 18th to 22nd January 2011, on *The Syntactic Typology of Tibeto-Burman Languages and Assamese* - organized by Department of EFL in collaboration with the Department of Linguistics, University of Massachusetts, Amherst, MA, US. Prof. Rajesh Bhatt, University of Massachusetts, and Prof. K.V. Subbarao, University of Hyderabad, were the resource persons.

'Workshop cum seminar on Minor languages of NE region', from 2-12 January 2009, Organized by department of English and Foreign Languages (EFL), Tezpur University in collaboration with CIIL, Mysore. Presented paper: 'Nominalization in Mising, co author and presenter Jugen Pegu.

North East Regional Institute of Education (NERIE): 4 day workshop on development of Manual to bridge gap between home and school language from 10-13 March 2008, organized

by Department of English and Foreign Languages (EFL), Tezpur University in collaboration with NERIE, Shillong, Meghalaya.

International Conference / Seminars / Workshops Abroad

25th Himalayan Languages Symposium (HLS) at University of Sydney, Austrailia. From 28th -29th June 2019. Presented paper titled 'Nominalization in Biate'.

International Conference of Asian Linguistics at ... from 15th to 16th December 2016 at Ho Chi Minh City, Vietnam. Presented joint paper with Nupur Sinha, PhD scholar, titled 'Nominalization in Koro'.

The 47th ICSTLL from 17th to 19th October 2014, Kunming, China Presented paper titled 'Copulas in Bugun'

SoLE 3 from 21st to 22nd October 2014 at Kunming, China. Presented paper titled 'Bugun Language: Maintenance Issue'.

The 46th International Conference on Sino-Tibetan Languages and Linguistics (1CSTLL) at Dartmouth College, New Hampshire, USA, from 7th to 10th August 2013. Presented paper titled: 'Sound System of Bugun'.

The 16th Annual Meeting of the Southeast Asian Linguistics Society (SEALS XVI) at Atma Jaya University, Jakarta, from 20-21 September 2006. Presented paper: *Verb Phrase in Mising*

The 23rd South Asian Linguistic Analysis (SALA), at University of Texas, Austin, from 10 -12 October 2003. Presented paper: *The C Position in Meetie*.

The 21st South Asian Linguistic Analysis (SALA), at University of Konstanz, Germany, from 8 - 10 October 2001. Presented paper: *Negation in Assamese*

British Council International Seminar on 'Current Methodology for Teacher Trainers in EFL', from 20 -28 March 1996 at Wye College, Ashford, Kent, United Kingdom. Sponsored by British Council, Kolkata.

International Conference in India

 22^{nd} Himalayan Languages Symposium (HLS) from June 8-10 2016 at IIT Guwahati. Presented paper on Çase marking in Bugun'.

North East Indian Linguistics (NEILs)-9 from 5th to 7th February, 2016 at Tezpur University.

The 44th International Conference on Sino-Tibetan Languages and Linguistics at Central Institute of Indian Languages (CIIL), Mysore, from 7 – 9 October 2011. Presented paper: *Noun Phrase in Bugun*.

North East Indian Linguistics (NEILS)-6, from 31 January to 2 February 2011, organized by Gauhati University, and La Trobe University, Melbourne,

Australia at Tezpur University, Napaam, Tezpur. Presented papers: i. *Bugun Phonology*, and, ii. Grammatical Function Changing Rules in Assamese.

North East Indian Linguistics (NEILS)- 5 from 12 -14 February 2010, organized by Gauhati University, and La Trobe University, Melbourne, Australia at Don Bosco Institute, Guwahati.. Presented paper: *The Bugun language and Community*.

North East Indian Linguistics (NEILS) – 4, from 15-17 January 2009, organized by Gauhati University, and La Trobe University, Melbourne, Australia at NEHU, Shillong. Presented paper: *Nominalization and the Nominalized clause in Assamese*, and joint paper with Lucky Dey 'Copula in Assam Sadri'

North East Indian Linguistics (NEILS) -3, from 21-24 January 2008, organized by Gauhati University, and La Trobe University, Melbourne, Australia at Don Bosco Institute, Guwahati.

North East Indian Linguistics (NEILS)- 2 from 7-9 February 2007, organized by Department of Linguistics, Gauhati University and La Trobe University, Melbourne, Australia at Don Bosco Institute, Guwahati. Presented paper: *Non-finite markers in Mising*

North East Indian Linguistics Society (NEILS)-1, at Gauhati University organized by La Trobe University, Me.lbourne, Australia & Linguistics Department, Gauhati University from 6-7 February 2006 Presented paper: *Quest for a Script*.

ICOSAL 6 at Osmania University, Hyderabad, from 7-9 December 2005. Presented paper: *Focus in Assamese*

Platinium Jubilee International Conference of the Linguistic Society of India at University of Hyderabad, Hyderabad, from 6-8 December 2005 Presented paper: *Subject in Assamese*.

International Seminar on Argument Structure from 5-7 January 2003 organized by the Department of Linguistics, University of Delhi

 3^{rd} International Conference on South Asian Languages (ICOSAL -3) from 4 -6 January 2001 at the Centre for Applied Linguistics and Translation Studies, University of Hyderabad, Hyderabad. Paper presented: *The Particle ze a Clitic, Wh-Operator or a Co mplementizer*.

World Congress on 'World Languages in Multilingual Contexts' from 3-7 January 2001 organized by Alumni Association of CIEFL, CIEFL, Hyderabad. Presented paper: Acquisition of English (L2) in a formal set-up: a comparative study on English medium and regional medium schools of Assam.

International Seminar on Agreement at the department of Linguistics, University of Delhi from 9-11 January 1998. Presented paper: *Agreement in Assamese*.

International Seminar cum Workshop on English Grammar from 4 -14 August 1997 at CIEFL, Hyderabad.

The Eighteenth South Asian language Analysis Roundtable S.A.L.A XVIII from January 6 to 7 1997 at Jawaharlal Nehru University, New Delhi. Presented paper: *Reduplication in Dimasa Kochari*

'International Seminar in Morphology' part of the International Summer Institute in Morphology (ISIM) from 1- 19 July 1996. Organized by department of Linguistics & Contemporary English, CIEFL, Hyderabad. Presented paper: *Causatives in Assamese*.

International Summer Institute of Syntax (ISIS) from 7-28 July 1994 at CIEFL, Hyderabad.

National Seminar

'Emerging Linguistic Scene in North East India' at the Department of Linguistics, NEHU, Shillong in collaboration with CIIL, Mysore, from 15to 17 October 2007. Presented paper: *Problems of documenting Endangered Languagesin North East India*.

26th All India Conference of Linguistics of the Linguistics Society of India from 29th November to 1st December, 2004 organized by the department of Linguistics at the NEHU Permanent Campus, Shillong, Meghalaya.

25th All India Conference of Linguistics of the Linguistics Society of India from 26-28 November, 2002 at the department of Linguistics, University of Calcutta, Kolkata.

Regional Seminar

1st Convention cum Seminar on "Tribal Languages and their Future of Indigenous Tribal Sahitya Sabhas from 20-21 September 2009. Organized by the Convening Committee of Indigenous Tribal Sahitya Sabhas. Paper presented *Future of Tribal Languages of North-East India*.

First Regional Seminar on Script Development for the tribes of Arunachal Pradesh. From 22 – 23 November 2001. Organized by NERIST, Naharlagung, Arunachal Pradesh, sponsored by National Museum of Mankind. Presented paper: *The Relation of Sound and Script in Natural Languages*.

Regional Conference on ELT. Organized by English Language Teaching Institute (ELTI) Assam from 1996. Presented paper: *Deteriorating Standards in English Teaching in the North Eastern States*.

Supervising Ph.D scholars working on the following languages: Mising, Assam Sadri, Assamese, Sulung (Puroik), Lish, Chug, Boro, Dimasa Nocte, Koro and others.

Ph.D Scholar Topic

1. Jugen Pegu 'DialectalVariation in Mising language and the interference of dominant languages (Degree awarded in 2012)

2. Lucky Dey	'Argument Selection in Sadri / Sadani as spoken in Assam' (Degree Awarded in 2013)
3. Diganta Nath	'Non-Finite Complements in Assamese' (Degree Awarded in 2014)
4. Bipasha Patgiri	'Phonological Structures of Nalbaria Assamese (PhD Viva over)
5. Jelina Mosahary	'Clause in Dimasa and Boro: A Comparative Study' (Degree Awarded on 23 rd November 2019)
6. Palash Das	'Analysis of Assamese Morphology for a Rule Based Assamese Spell Checker' (PhD viva awaited)
7. Nupur Sinha	'A Descriptive Grammar of Koro' (On going)
8 Trisha Wangno	'Sociolinguistics Impact on Nocte: An Endangered Language of Arunachal Pradesh'. (On going)
9. Gayatri Das	' A Descriptive Study of the Verb Morphology in Banai' (On going)
10. Sourabh Chetry	'Complex Predicates in Nepali: A Minimalist Approach' (On going)
11. Raju Ram Boro	'Clause Structures in Biate' (On going)

Co-Supervisor of scholars from Berne University, Switzerland

- 1.. Ismael Liebeheer 'A Grammar of Puroik (Sulung) (Degree Awarded in 2017)
- 2.. Tim Bodt 'Grammar of Lish and Chug' (Degree Awarded in 2017)

Association with international and national Bodies:

Life member of SEL

Life member of the Linguistic Society of India (LSI)

Executive member of Formal Studies of Syntax and Semantics of Indian Languages (FOSSIL)

Actively associated with the North East Linguistics Society of India (NEILS)

Member of Board of Studies

- 1. Department of Linguistics, North Eastern Hill University (NEHU), Shillong, from 2014 to 2016 and 2018-2020
- 2. Department of Linguistics, Nagaland University, Kohima Campus, Meriema, Nagaland , from 2016 to 2019

Invited Lectures

- Plenary Speaker at 4-Day on International Webinar on languages of North East India from 24th to 27th April 2021, organized by TiBLANE. Talk titled ' Kho-Bwa Cluster of Languages'
- Invited Speaker at the inauguration of TiBLANE on 7th November 2020. Gave talk on 'Linguistics Diversity: Impact on Lesser Known Languages of Northeast India'

- Key Note Address at 'Endangered and Lesser Known Languages' (ELKL) 8, from 21st to 22nd February 2020, at Songsten Library, Kirsali, Dehradun, Uttarakhand. Talk titled Linguistic Scenario of Northeast India.
- Invited speaker on Assamese Syntax in the Lecture Series cum Workshop on POS from 10th to 12th October 2011 by LDC-IL, CIIL, Mysore.
- Invited to give key note address on National Seminar organized by the Dept. of English, LOKD College, Dhekiajuli, Assam and sponsored by UGC from 4th to 5th November, 2011.
 The thrust area of the seminar "Knowledge and Skill Development in Teaching English to Rural Under-Graduate Students."
- Invited to give key note address on National Seminar on Classroom –Oriented research around the theme "" The English Classroom: Experiments and Experiences organized by the Dept of English, Narayanpur College, Narayanpur, Assam sponsored by UGC from 3rd to 4th May 2014.

Visiting faculty & Resource Person

- 1. Resource Person at the Refresher Course in English, in the Department of English, Manipur University from 13 June to 2 July 2011.
- 2...Resource person at North East Winter School of Linguistics (NEWSOL) from 11 -15 February 2008 Organized by the Department of Linguistics, NEHU, Shillong and sponsored by CIIL, Mysore.
- 3. Visiting faculty, from 20 to 28 March 2008, at Arunachal Institute of Tribal Studies (AITS), Rajiv Gandhi University, Doimukh, Arunachal Pradesh.
- 4. Visiting faculty, from 10-15 June 2007, at North East Regional Institute of Education (NERIE), Shillong, Meghalaya.
- 5. Visiting faculty from 16 to 23rd April 2005, at the Department of English, Rajiv Gandhi University, Doimukh, Arunachal Pradesh.
- 6.. Visiting faculty, from 15 to 25 October 2003, at the Department of English, Arunachal University (Rajiv Gandhi University), Doimukh, Arunachal Pradesh

Attended National Workshop

Enhancing the Quality of Distance Education Programmes at Centre for English, School of Distance Education, CIEFL, Hyderabad from 11 to 13 October 2004

Extra- Curricular Activities:

Attended Training Programme & Workshops

- 1. Refresher Programme for Trainer Associates of Capacity Building of Women managers in Higher Education: Manual V on Women and Research, from 14th to 16th September 2009 at Shri Lal Bahadur Shastri Rastriya Sanskrit Vidyapeeth, New Delhi an undertaking of the UGC National Consultative Committee for Capacity Building of Women Managers in Higher Education
- 2. Orientation Training on Prevention of Sexual Harrassment at Workplaces for Senior Functionaries of Development Sector from July 14-16, 2008 at NIPCCD, regional Centre, Guwahati .
- 3. Capacity Building for Women Managers in Higher Education: a training of trainers (TOT) from 27th September to 1st October 2005, Women's Studies & Research Centre, Gauhati University.
- 5. UGC Sensitization Workshop on Capacity Building for Women Managers in Higher Education from 2-7 February 2005 at Women's Studies & Research Centre, Gauhati University.

Resource Person for Workshops of UGC Capacity Building Sensitization on "Women

Managers in Higher Education"

- 1. 12th to 16th November 2008 at Arya Vidyapeeth College, Guwahati.
- 2. 12th to 16th February 2008, organized by Department of English language Teaching, Gauhati University at the Don Bosco Institute, Khargoli, Guwahati.
- 3. 18th to 22nd December 2006, organized by Saraighat College, Changsari, Kamrup
- 4. 9th to 13th October 2006, organized by Tezpur University, Napaam Tezpur.

Master Trainer

Master Trainer at the *UGC North East India Regional Training of Trainers Workshop of Capacity Building of Women Managers in Higher Education* from 30th March to 4th April 2008 at IIBM Guwahati, organized by WSRC, Gauhati University.

Hosted Awareness Programmes and workshops on Women related issues

- 1. Debate competition on International Women's Day, 8th March 2011. Participants were students of Tezput University.
- 2. Workshop on Research Methodology for the Women's Studies Centre, Tezpur University from 6 to 7 April 2010
- 3. Panel discussion on Women's Day on 8th March 2010. Topic of discussion 'Should we celebrate women's day'.
- 4. Awareness Programme on 'sexual harassment' on 6.11.09. Guest speaker Ms.Madhurima Barua Sen (ACS), Member Secretary of Women's Commission, Assam.
- 5. UGC Sensitization Workshop on Capacity Building for Women Managers in Higher Education from 9 13 October, 2006. Organized by Tezpur University, Napaam Tezpur.

Member of Committee

- 1. Former Chairperson of the 'Complaint Committee on Sexual Harrassment of Women at Workplace', Tezpur University.
- 2. Core Committee member of the Women's Studies Centre, Tezpur Univeristy.