

Curriculum Vitae

Harjit Singh



Department of Linguistics and CSTLs
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Education

2019 Ph.D. in Linguistics, Jawaharlal Nehru University (JNU) New Delhi- 110067
2013 M.Phil. in Linguistics, Jawaharlal Nehru University (JNU) New Delhi- 110067
2011 Bachelor of Education, Desh Bhagat College (Punjabi University, Patiala)
2010 M.A. in Linguistics, (Punjabi University), Patiala
2008 Bachelor of Arts, GobindGarh Public College, (Panjab University, Chandigarh)

Position

2017 Assistant Professor in Linguistics & CSTLs, at IGNTU, Amarkantak (M.P.)

Honors, Awards and Grants

NET in Linguistics, 2016

Conferences and Workshops

- i. Certificate in National Transition Mission (CIIL & CL, JNU) 15th – 30th September 2011
- ii. Certificate in International Seminar on Prosodic Interface (ISPI-JNU) 25th – 27th November 2011
- iii. Certificate in Workshop on the use of linguistics for speech technology applications (JNU Phonetic-Phonology Colloquium) 31st October 2012

- iv. Certificate in Indigenous Languages in India and Canada (JNU & Simon Fraser University) 8th – 12th 2014

Conference Presentations

- i. Grammaticalization of Verb lag in Punjabi, Hindi and Bangla Languages, presented at 2nd International Conference on Linguistics in Sri Lanka (ICLSL 2016) on 25th August 2016, University of Kelaniya (Sri Lanka).
- ii. Reciprocals and Reciprocal Markers in Punjabi, presented at 37th Annual Conference of Linguistic Society of Nepal (37th LSN) on 26th – 27th November 2016, Kathmandu (Nepal).
- iii. Backward Anaphors, presented at 4th International Conference on Linguistics and Language Studies (ICLLS 2018) on 15th -16th June 2018, Hong Kong (China).
- iv. Morph-Phonology of diacritics- The case of bindi in Punjabi, presented at South Asian Language Analysis (SALA-35) on 29th – 31st October 2019, Institut national des langues et civilisations orientales 65, rue des Grande Moulins, Paris 13.
- v. Exploring Variations about n/ in Hindi and Punjabi, presented at Bridging Research on Cognition and Speech (BROCAS- 2019) on 13th- 14th December 2019, IIT Ropar (Punjab).
- vi. Dialogues with Nominal Constructions using Frame Representations in NLP, presented at 1st International Conference on Contemporary Issues in Computing (ICCIC-2020) on 25th – 26th July 2020, Kolkata.
- vii. Discourse Anaphors in ILCI Corpora: Generalizing Mapping Strategies Based on a Centering Theory, presented at International Conference on Advances in Computing, Communications and Embedded Systems (ACCES-2020) on 18th – 19th September 2020, organized by ECE in Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
- viii. Fuzziness and Vagueness in Natural Language Quantifiers: Searching and Systemizing Few Patterns in Predicate Logic, presented at Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication (MDCWC) on 22nd October – 24th October 2020, organized by Department of Electronics and Communication Engineering, NIT Tiruchirappalli (Tamil Nadu).

- ix. Visualizing and Computing Natural Language Expressions: Through A Typed Lambda Calculus λ , presented at International Conference on Machine Vision and Augmented Intelligence (MAI-2021) on 11th-14th February 2021, organized by PDPM IITDM Jabalpur (MP).
- x. Computational Linguistics: A Research Survey on Ambiguity and Anaphora Resolution, presented at National Conference on Recent Innovations in Computing Technologies (NCRICT-2022), on 28th September 2022, organized by JSS Academy of Technical Education, Noida (Utter Pradesh).
- xi. Learning Dialogues with Frames, presented at International Conference on Robotics, Automation and Intelligent Computing (ICRAIC 2K22), on 3rd-4th December 2022, organized by Research Association of Masters of Engineering, Pune.
- xii. Semantic Networks: A General Survey, presented at Three Day International Conference on Language, Literature, and Folklore (ICOLLAF), on 28th-30th January 2023, organized by Cluster University of Jammu in collaboration with Central Institute of Indian Languages (CIIL) Mysore.
- xiii. Measuring Semantic Range and Semantic Bleaching in South Asian Languages with Special Focus to verb *lag*, presented at 15th Western Inter-disciplinary Student Symposium on Language Research (WISSLR 2023), on 4th March 2023, organized by Linguistics Graduate Program in the French Studies Department, Western University, London, Ontario, Canada.

Publications

Journal Articles:

- i. Singh, H. 2015 Resolution of Anaphors in Punjabi, In *Indian Journal of Science and Technology*, ISSN: 0974-6846, Vol. 8 (27) (**Web of Science**), <http://doi.org/10.17485/ijst/2015/v8i27/83320>
- ii. Singh, H. 2020 Dialogues with Nominal Constructions Using Frame Representations in NLP, In *Topics in Intelligent Computing and Industry Design (ICID) 2 (1) 2020 130-133 Volkson Press*: <http://doi.org/10.26480/cic01,2020.130.133>
- iii. Singh, H. 2022 Propositions with Typed Lambda Calculus λ , *SN Computer Science*, ISSN:2661-8907, (3):204 (**Scopus Indexed**) <https://doi.org/10.1007/s42979-022-01056-6>
- iv. Singh, H. 2022 Role of Frame Structure in the Development of KRS for Learning

- Dialogues, 3C Empresa. *Investigación y pensamiento crítico*. ISSN: 2254-3376 (Web of Science) <https://doi.org/10.17993/3comp.2022.110250.250-261>
- v. Singh, H. 2023 Grammaticalization of Verb “ləg” in Punjabi, Hindi, and Bangla Languages, *Language in India* ISSN: 1930-2940, Vol 23 (8) (EBSCO Host, ProQuest, MLA, and Gale Search)
- vi. Singh, H. 2023 Computational Linguistics: A Research Survey on Ambiguity and Anaphora Resolution, *International Journal of Scientific Research in Computer Science, Engineering and Information Technology* ISSN: 2456-3307, 9 (5): 98-102, <https://doi.org/10.32628/CFIT239059>
- vii. Singh, H. 2023 (Un) identified Lexemes: A First Glance at Punjabi Morphological Analyzer, *International Journal of Advanced Research in Computer Science* ISSN: 0976-5697, 14 (5): 31-36, DOI: <http://dx.doi.org/10.26483/ijarcs.v14i5.7016>
- viii. Singh, H. et al. 2025 Ct-K: A Modelling Approach for Discourse Anaphors, *International Journal of Information Technology*, Springer Singapore, ISSN: 2511-2112 DOI: [gssor9..cnh-nqf.0/-0//6.r3076/,/14,/1376,y](https://doi.org/10.1007/978-981-19-0296-3_9)

Conference Proceedings

- i. Singh, H. 2018 Backward Anaphors, In *Proceedings 4th International Conference on Linguistics and Language Studies, 15th -16th June Hong Kong* ISBN: 978-988-77932-1-2.
- ii. Singh, H. 2021 Fuzziness and Vagueness in Natural Language Quantifiers: Searching and Systemizing Few Patterns in Predicate Logic, *Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication. Lecture Notes in Electrical Engineering, 749. Springer Singapore: https://doi.org/10.1007/978-981-16-0289-4_40*
- iii. Singh, H. 2021 Visualizing and Computing Natural Language Expressions: Through A Typed Lambda Calculus λ , *Machine Vision and Augmented Intelligence—Theory and Applications, Lecture Notes in Electrical Engineering 796. Springer Singapore: https://doi.org/10.1007/978-981-16-5078-9_49*
- iv. Singh, H. 2022 Referring Expressions in Discourse Structure: A Study of Local and Global Focus, *Applications of Computational Methods in Manufacturing and Product Design, Lecture Notes in Mechanical Engineering. Springer Singapore: https://doi.org/10.1007/978-981-19-0296-3_9*

- v. Singh, H. 2023 Complex Structure of Number in Language Processing, *International Conference on Applied Mathematics & Computational Intelligence*, **Springer Proceedings in Mathematics and Statistics**. https://doi.org/10.1007/978-981-19-8194-4_5

Books

- i. Singh, H. 2023 Resolution of Lexical Anaphora in Punjabi: A Corpus Based Study, *has been accepted for publication in Macmillan Private India Ltd.*

Invited Talks

- i. Lecture Delivered as Resource Person in Two Days National Seminar on “भारतीय भाषा एवं संस्कृति में तकनीकी शब्दावली का महत्व” *organized by the Commission for the Scientific and Technical Terminology (CSTT), (Ministry of Higher Education, GOI) in collaboration with Shashkiye Rajmohini Devi Kanya Sanatkotar, Mahavidhyala, Ambikapur, Sargoja (Chhattisgarh) on 20th July to 21st July 2023.*

Reviewer

- i. *Humanities & Social Science Communications*, ISSN: 2662-9992, Springer Nature (London, GB) (IF: 3.5).
- ii. *SN Social Sciences*, ISSN: 2662-9283, Springer Nature (Switzerland AG).
- iii. *Artificial Intelligence Review: An International Science and Engineering Journal*, ISSN: 1573-7462, Springer Nature B.V. (IF: 12.0)
- iv. *The Journal of Supercomputing: An International Journal of Higher Performance Computer Design, Analysis, and Use*, ISSN: 1573-0484, Springer Science+BusinessMedia, LLC, part of Springer Nature (IF: 2.5)
- v. *ACM Transactions on Asian and Low-Resource Language Information Processing*, ISSN: 2375-4702 Association for Computing Machinery (IF: 1.8)

Life Time Member

- Life Time Member for ‘Linguistic Society of India’, under Registration No 1164/2

Teaching Experiences

Course Taught at Graduate, Post-Graduate, and Ph.D. Level:

- **Introduction to Linguistics**

Undergraduate course

- **Introductory Phonetics and Phonology**

Undergraduate course

- **Language Structure**

Undergraduate course

- **Language and Society**

Undergraduate course

- **Morphology**

Post-graduate course

- **Introduction to Semantics and Pragmatics**

Post-graduate course

- **Ethnolinguistics**

Post-graduate course

- **Historical Linguistics**

Post-graduate course

- **Computational Linguistics**

Post-graduate course

- **Advance Topics in Semantics-I, II**

Post-graduate course

- **Research and Publication Ethics**

Ph.D. course

Administrative Experiences

- 2024 A Team Member of National Service Scheme (NSS) under Letter No IGNTU/A&E/2024/79 Dated 12/09/2024
- 2024 A Committee Member of 'A Flying Squad Committee' constituted to the monitor the End Semester Examination May 2024 under Letter No IGNTU/COE/2024/118 Dated 10/05/2024
- 2023 A Committee Member of the 'Central Evaluation Committee' for the smooth conduct of the Central Evaluation of End Semester Examinations, September 2023 under Letter No IGNTU/Exam/277/2023 Dated 04/08/2023

- 2023 A Committee Member of the ‘Central Evaluation Committee’ for the smooth conduct of the Central Evaluation of End Semester Examinations, April 2023, and May 2023 under Letter No IGNTU/Exam/101/2023 Dated 05/04/2023
- 2023 A Committee Member of ‘Internal Complaint Committee’ (ICC) according to the provisions given in clause 4 of the UGC (Prevention, Prohibition, and Redressal of sexual harassment of women employees and students in higher educational institution), Regulations 2015, Letter No IGNTU/A&E/2023/67 Dated 12/01/2023
- 2022 Nominate as Faculty wise Sports Coordinators under University Sports Board, IGNTU Amarkantak to organize sports event at Department Faculty level under Letter No IGNTU/A&E/2022/165 Dated 29/09/2022
- 2019 A Committee Member of ‘The Admission Committee’ for the Department of Linguistics & CSTLs with reference to the Letter No IGNTU/COE/427/2019 dated 01/07/2019.
- 2019 Working as a coordinator to organize a series of events on the occasion of MATRIBHASA DIWAS.
- 2018 A Committee Member to conduct the National Seminar on ‘Tribal Situation in India- Contemporary Issues and Concerns’ with reference Letter No IGNTU/national seminar/ 2017, dated 18/01/2018.
- 2018 Performed as an Invigilator to conduct entrance examination for admission to various Ph.D. and PG programs for 2018-19 with reference Letter No IGNTU/Exam/21/A/2018 dated 24/08/2018.
- 2018 A Committee Member of the Ph.D. Admission Committee in Department of Linguistics & CSTLs as per IGNTU Ph.D. Regulation 2016 para 5.4.6, dated 13/09/2018.
- 2018 Perform as Invigilator duty to conduct written examination for Recruitment 2018-19 with reference Letter No IGNTU/Exam/17/11/2018.
- 2017 A Committee Member to conduct the Second Convocation, 2017 in reference of Letter No IGNOU/A&E/Notifications/2017

Additional Training

- 2023 **6th Online Refresher Course in Research Methodology (Inter-disciplinary)**, organized by UGC-HRDC, Jawaharlal Nehru University, New Delhi from 22nd November to 6th December 2023
- 2021 **AICTE Training and Learning (ATAL), Academy Online Elementary FDP** on “Intelligent Computing in Healthcare” from 20/09/2021 to 24/09/2021 at National Institute of Technology, Raipur (Chhattisgarh)
- 2020 **Online Two Weeks Refresher Course in English Literature and Language**, Organized by UGC-HRDC, Jamia Millia Islamia, New Delhi from 26/11/2020 to 10/12/2020
- 2019 **113th Orientation Program**, Organized by UGC-HRDC, Jawaharlal Nehru University, New Delhi from 05th March to 29th March 2019

Board of Studies (BOS)

- 2024 A Board Member for ‘the Board of Studies’ for the Department of Linguistics and CSTLs as per the Ordinance 44 of the University, under Letter No IGNTU/2024/A&R/90 Dated 23/08/2024

Others

Promotion Under CAS

- Harjit Singh (Assistant Professor) in the Department of Linguistics and CSTLs, promoted to the next higher grade from **(Stage 1 to Stage 2 Level 10 to Level 11) of pay matrix of 7th CPC with effect from 14/07/2021 under Career Advancement Scheme (CAS)** as per provisions laid down in UGC Regulations, 2018 under Letter No IGNTU/A&E/2022/85 Dated 13/10/2022

Languages

- Punjabi: Native
- English: Fluent
- Hindi: Fluent

Personal Details

- DOB: 03/09/1987, Punjab (India)
- Citizenship: Indian
- Marital Status: Married