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Education:

Ph.D. from University of Delhi (DU), New Delhi in Computational Linguistics, entitled "संस्कृतक्रियापदों का सङ्गणकीय अभिज्ञान, विश्लेषण एवं रूपसिद्धि हेतु वेब आधारित तन्त्र का विकास : सिद्धान्तकौमुदी में विश्लेषित भ्वादिगण के सन्दर्भ में", 2020.

M.A. from University of Delhi, New Delhi, India in 2012.

B.A. from SLBSRSV, DELHI, India in 2006.

Research Interest:

Natural Language Processing, Computational Linguistics
Indian theory of knowledge and computational Sanskrit
Computational grammar and lexicography
Machine Translation
E-corpora building
Panini Grammar and Linguistics
E-learning

Publications:

Total Citations: 2, h-index: 1 i10-index: 0

Books (1):

1. **Chandra Subhash, Kumar Bhupendra, Kumar Vivek and Sakshi** (2017). *लघुसिद्धान्तकौमुदी आधारित कम्प्यूटरकृत सुबन्तरूपसिद्धिप्रक्रिया*. Vidyanidhi Prakashana, New Delhi, India, ISBN: 9789385539534.

Research Papers and Articles in International Peer Review and UGC Listed Journals (06):

1. Kumar Vivek, **Chandra Subhash**. (2019). *सिद्धान्तकौमुदी आधारित ऑनलाइन ससूत्रक्रियारूपसिद्धि*. *RESEARCH REVIEW International Journal of Multidisciplinary (RRIJM)*, E-ISSN: 2455-3085, Volume 04, Issue 05, May 2019, pp.517-526. Impact Factor: 5.214., **UGC Listed: UGC Journal No. 44945. (Published)**
2. **Chandra Subhash, Kumar Vivek and Anju**. (2019). **DS-IASTConvert: An Automatic Script Converter between Devanagari and International Alphabet of Sanskrit Transliteration**. *International Journal of Research and Analytical Reviews (IJRAR)*, E-ISSN: 2348-1269 and P- ISSN 2349-5138, Volume 06, Issue 1, February 2019, pp.748-752. Impact Factor: 5.75., **UGC Listed: UGC Journal No. 43602. DOI: <http://doi.org/10.1729/Journal.19611>**
3. **Chandra Subhash, Kumar Vivek and Anju**. (2018). **Automatic Morphological Derivational Process for Sanskrit using Rule and Example Based Hybrid Approach**. *International Journal for Research in Engineering Application & Management (IJREAM)*, 2454-9150, Volume 04, Issue 08, Nov 2018, pp.232-237. Impact Factor: 5.646., **UGC Listed: UGC Journal No. 64077.**
4. Kumar Vivek and **Chandra, Subhash**. (2017). **भ्वादिगणनीय धातुओं के लिये क्रियापदसिद्धि तन्त्र का निर्माण**. *National Journal of Hindi & Sanskrit Research*, ISSN 2454-9177, Volume 1(10), pp.23-28.
5. **Chandra, Subhash, Kumar, Vivek, Sakshi and Kumar Bhupendra**. (2017). **Innovative Teaching and Learning of Sanskrit Grammar through SWAGATAM (स्वगतम्)**. *Language in India*, ISSN 1930-2940, Volume 17:1, pp.378-391., **UGC Listed: UGC Journal No. 49042.**
6. **Chandra, Subhash, Kumar Bhupendra, Kumar Vivek and Sakshi**. (2016). **Acute Sporadic English in Bollywood Film Songs' Lyrics: A Textual Evidence based Analysis of Code-Mixing in Hindi**. *Language in India*, ISSN 1930-2940, Volume 16:11, pp.25-34., **UGC Listed: UGC Journal No. 49042.**

Chapters in Books (03):

1. Kumar Vivek and **Chandra Subhash**. (2019). **ई-शिक्षण हेतु संस्कृतक्रियापदों की रूपसिद्धि के लिए वेब तन्त्र का विकास**. In Girish Nath Jha, Sudhir Kumar Arya, Abhijit Dixit & Atul Kumar Ojha (Eds.), *Veda as Global Heritage Scientific Perspectives, Vol-I*. India, New Delhi: Vidyanidhi Prakashan, ISBN: 9789385539695, (pp.224-233).

2. **Kumar Vivek** (2018). सिद्धान्तकौमुदीस्थ भ्वादिगण क्रियापद सिद्धि हेतु संगणकीय तन्त्र. In S. Shamra & Y. Sharma (Eds.), वर्तमान शिक्षा और वेद . India, New Delhi: भारतीय विद्या प्रकाशन, ISBN: 978-81-217-3390, (pp.180-191).
3. **Kumar Vivek and Chandra Subhash.** (2018). उदाहरण-नियम संयुक्त विधि से संस्कृत क्रियापदों का अभिज्ञान, विश्लेषण एवं रूपसिद्धि तंत्र का विकास. In G.N. Jha, B. Singh & S. Sengupta (Eds.), *Vedanta Science and Technology: A Multidimensional Approach* (pp.00-00). India, New Delhi: DK Print World. ISBN: 978-81-246-0947-7. (Accepted)

Research Papers and Articles in International Conference Proceedings (01):

1. **Chandra Subhash,** Kumar Bhupendra, Kumar Vivek and Sakshi. (2016). **Lexical Resources for Detection, Analysis and Word Formation process for Sanskrit Morphology.** In *Proceedings of 3rd Workshop on Indian Language Data: Resources and Evaluation under 10th Edition of its Language Resources and Evaluation Conference (LREC-2015)*, Grand Hotel Bernardin Conference Center, Portorož (Slovenia), During 23-28 May 2016., pp.65-68.

Presentation (05):

1. **Computational Representation of Derivational Process of Sanskrit Verbs.** in *SOIL-TECH 2019 : Sanskrit and Other Indian Languages - Technology*, School of Sanskrit and Indic Studies, Jawaharlal Nehru University, New Delhi During, Feb 15-17, 2019 for Paper Presentation.
2. **पाणिनीय सूत्रनिर्देशपूर्वक संस्कृत क्रियारूप सिद्धिप्रक्रिया प्रदर्शक.** in *Multi-Dimensional Aspects of Sanskrit and Larger World*, Department of Sanskrit, Jamia Milia Islamia (Central University), New Delhi During, Feb 15-17, 2019 for Paper Presentation.
3. **सिद्धान्तकौमुदी आधारित ऑनलाइन ससूत्र क्रियारूपसिद्धि ई-शिक्षक.** in *23rd Kalidasa Mahotsava – 2019 & International Research Seminar*, Kalidasa Academy of Sanskrit Music & Fine Arts (Delhi) & Bharati College, University of Delhi, New Delhi During, Jan 19-20, 2019 for Paper Presentation.
4. **सिद्धान्तकौमुदीस्थ भ्वादिगण क्रियापद सिद्धि हेतु संगणकीय तन्त्र.** in *वर्तमान शिक्षा और वेद (अन्तर्राष्ट्रीय शोध सङ्गोष्ठी)*, संस्कृत विभाग, पी.जी.डी.ए.वी. महाविद्यालय (सान्ध्य), University of Delhi, New Delhi During, Oct 27-28, 2018 for Paper Presentation.
5. **ई-शिक्षण हेतु संस्कृतक्रियापदों की रूपसिद्धि के लिये वेबतन्त्र का विकास.** in *International Veda Conference on Veda as Global Heritage : Scientific Perspective*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 15-18, 2016 for Paper Presentation.
6. **संस्कृतक्रियापदों का अभिज्ञान, विश्लेषण एवं रूपसिद्धि हेतु तन्त्र का विकास.** in *5th National Sanskrit Journalists Conference*, Bharatiya Sanskrit Patrakar Sangh, Akshardham, New Delhi, 10-11 Dec 2015., University of Delhi, New Delhi During, Dec 10-11, 2015 for Paper Presentation.
7. **Detection, Analysis and Word Formation Process of Sanskrit Morphology: A Hybrid Approach.** in *Twenty Second International Congress of Vedanta(22Vedanta)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015 for Poster Session.

8. उदाहरण-नियम संयुक्त विधि से संस्कृत क्रियापदों का अभिज्ञान, विश्लेषण एवं रूपसिद्धि तंत्र का विकास. *in Twenty Second International Congress of Vedanta(22Vedanta)*, Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015 for Paper Presentation.

Workshop/Seminar/Conference Attended (08):

1. **22nd International Vedanta Congress** at Special Center for Sanskrit Studies, JNU, 27-30 Dec 2015.
2. **4th International Sanskrit Computational Linguistics Symposium** at Special Center for Sanskrit Studies, JNU, 10-12 Dec 2010.
3. **National Symposium on Machine Translation: Tools and Techniques** at Department of Sanskrit, Zakir Husain Delhi College (Morning), University of Delhi, Delhi – 110002, 03-08 Oct 2016.
4. **National Workshop on Computer Awareness for Sanskrit (CAS)** at Department of Sanskrit, Zakir Husain Delhi College (Evening), University of Delhi, 3-8 Oct 2016.
5. **Programme For Celebration of the Traditional New Year Vikrama Samvatsara – 2073** at Department of Sanskrit, Faculty of Arts, University of Delhi, 08 Apr 2016.
6. **22nd International Vedanta Congress at Special Center for Sanskrit Studies, JNU,** 27-30 Dec 2015.
7. **5th National Sanskrit Journalists Conference at Akshardham,** New Delhi, 10-11 Dec 2015.
8. **National Workshop on Sharda Script Learning** at Special Center for Sanskrit Studies, JNU, 16-18 Oct 2015.

Projects:

1. **Development of E-resource and E-Learning Tools for Sanskrit Course under Choice Based Credit System (CBCS) of University of Delhi: In Case of BA (Hon.) Core-12 Grammar Laghusiddhantakaumudi** Principal Investigator, Department of Sanskrit, University of Delhi, Submitted to Research and Development Grant, University of Delhi for 2015-16
2. **Development of Web Based Expert System for Sanskrit Grammar for E-Learning: In Case of Subanta Prakarana based on Laghusiddhantakaumudi** Principal Investigator, Department of Sanskrit, University of Delhi, funded by Research and Development Grant, University of Delhi, Oct, 2014 to Sept, 2015.

Awards / Honors (12):

1. **Best Poster Presentation Award** for the paper entitled **Detection, Analysis and Word Formation Process of Sanskrit Morphology: A Hybrid Approach** at Twenty Second International Congress of Vedanta (22Vedanta), , Special Center for Sanskrit Studies, Jawaharlal Nehru University, New Delhi During, Dec 27-30, 2015.
2. **UGC NET JRF** cleared in December 2012.
3. **Second prize in Inter College Quiz** from Hansraj College University of Delhi on 8th February 2012.
4. **Sanskrit Pratibha Purashkar** from Delhi Sanskrit Academy in 2013.
5. **Sanskrit Pratibha Purashkar** from Delhi Sanskrit Academy in 2010.

6. **Sanskrit Pratibha Purashkar** from Delhi Sanskrit Academy in 2008.
7. **Sanskrit Pratibha Purashkar** from Delhi Sanskrit Academy in 2007.

Technical Expertise:

1. **Operating System:** WINDOWS system, DOS.
2. **Programming languages:** Python, Python Server Pages (PSP), Java Server Pages (JSP)
3. **Scripting language:** HTML, DHTML.
4. **Database Package:** MySQL and MS SQL Server 2003/2005.