Curriculum Vitae

Dr. Sivaja S. Nair

Personal Information

Name	Sivaja S. Nair
Address	Post Doctoral Fellow by UGC
	Shastra Faculty
	Karnataka Samskrita University
	Pampa Mahakavi Road
	Chamarajapete
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Telephone	+91 9158101308
E-mail	sivaja.s.nair@gmail.com
Nationality	Indian
Date of birth	09 March 1983
Gender	Female
Marital Status	Married
Husband	Sujith B. Nair
Father	P. E. Sasidharan Nair
Mother	Valsala Sasidharan Nair

Work Experience

Post-doctoral Fellow of UGC	February 2014 to date in "Aayussamskritam (Based on Ashtangahrdayam)" at Shastra Faculty, Karnataka Samskrita University, Bengaluru under the guidance of Prof. Shrinivasa Varakhedi.

Post-doctoral Research Associate	July 2012 to July 2013 in "Development of Lexical and Syntactic Corpus of Sanskrit" at Department of Humanities and Social Sciences, IIT, Bombay by The Sanskrit Library Project, under the investigation of Prof. Peter M. Scharf.
Junior Linguist	07 August 2010 to 28 March 2011 in "Sanskrit Hindi Machine Translation Project" at Department of Sanskrit Studied, University of Hyderabad
Library in charge	June 2008 to March 2011 in Department of Sanskrit Studies, University of Hyderabad, Hyderabad.
Proof-reader (Sanskrit - Devanagari Script)	May 2005 to March 2007, Sansk-Net Project, Rashtriya Sanskrit Vidhyapeetha, Tirupati

Academic Credentials

Doctoral Research and M.Phil

PhD in Sanskrit Computational Linguistics Title: *The Knowledge structure in Amarakośa* under the Guidance of Dr. Amba Kulkarni, 2011	University of Hyderabad, Hyderabad, Andhra Pradesh
M.Phil in Nyāya Title: *Jayarāmanyāyapañcānanabhaṭṭācāryaviracitasya kārakavādasya pāṭhasamīkṣātmakam adhyayanam* under the Guidance of Prof. Shrinivasa Varakhedi, 2007	Rashtriya Sanskrit Vidyapeetha, Tirupati, Andhra Pradesh

P.G. Diploma

Post Graduate Diploma in Manuscriptology, 2017	Karnataka Sanskrit University, Chamarajapete, Bengaluru

Post Graduation

M.A. in Shabdabodha Systems and Language Technology, 2006	Rashtriya Sanskrit Vidyapeetha, Tirupati, Andhra Pradesh

Graduation

Bachelor of Arts (Sanskrit Vyakaraṇa), 2003	M. G University, Kottayam, Kerala

Intermediate and Secondary Education

Pre-Degree (Sanskrit, English, Vyākaraṇa, Nyāya, Sāhitya and vedanta), 2000   M. G University, Kottayam, Kerala

Secondary School Leaving Certificate (Sanskrit, Malayalam, English, Hindi, Social-Science, Science and Mathematics), 1998   Board of Public Examinations Kerala State

Publications

Book

1. *Kārakavāda* of Jayarama - Edited with 5 Manuscripts availed from different regions, Poorna Prajna Samshodhana Mandiram, Bengaluru, 2007

Course ware

1. Prepared a course ware on Sanskrit Based NLP Programs for the course work for PGDCA at Shree Somanath Sanskrit University, Veraval, Gujarath.

Research Papers Published

Research Article

1. "Amarakosa : Structure and Commentaries" accepted in "Prajna" by Poorna Prajna Samshodhana Mandiram, Bengaluru.

2. "Sarvapratyayamālā: A Grammatical Treatise" in "Vidvatpatrika (Karnatakasamskrtadhyayanam)" by Karnataka Sanskirt University, Bengaluru, 2017.

International Papers

1. "Extended Nyaya-Vaiseshika Ontology as Applied to Amarakosa KnowledgeNet" published in the proceedings of 5th International Sanskrit Symposium in 2013.

2. "Knowledge Structure in Amarakosa" in LNCS 6465, pp.231-238 (Ed. by Girish Nath Jha, © Springer Verlag, Berlin, Heidel Berg) in 4th International Sanskrit Computational Linguistic Symposium, held at Jawaharlal Nehru University (JNU) 2010

3. "Amarakośasya prameyasaṁracanā" in Gaṇakapāṇinīyam part II ISBN - 978-93-80171-16-6 (Ed. by Shrinivasa Varakhedi, Sanskrit Academy, Osmania University, Hyderabad) Collection of research papers in sanskrit presented in 4th International Sanskrit Computational Linguistic Symposium, held at Jawaharlal Nehru University (JNU) 2010.

4. "Knowledge Structure in Sanskrit Kosas" in www.cfilt.iitb.ac.in/wordnet/webhwn/IndoWordnetPapers/03_iwn_Sanskrit%20Lexicon.pdf in 8th International Conference on Natural Language Processing, Indo-Wordnet Workshop held at IIT, Kharagpur, Kharagpur from 8th to 11th December 2010

5. "Use of Amarakosa and Hindi WordNet in Building a Network of Sanskrit Words" in Proceedings of ICON-2008: 6th International Conference on Natural Language Processing, Macmillan Publishers, India, Conference held at C-Dac, Pune from 20th to 22nd December 2008

National Papers

1. "Aayussamskritam : A Computational Tool To Study Ayurveda Texts" in proceedings of National Conference On Reaching The Unreached Through Science And Technology, Surana College, Bangalore, October 2017. (in press)

Papers Presented

International

1. "Extended Nyaya-Vaiseshika Ontology as Applied to Amarakosa KnowledgeNet" in the 5th International Sanskrit Computational Liguistics Symposium held at IIT,Bombay, Mumbai from 4th to 6th January 2013

2. "Knowledge Structure in Amarakosa" in 4th International Sanskrit Computational Liguistics Symposium held at Jawaharlal Nehru University, New Delhi 2010

3. "Knowledge Structure in Sanskrit Kosas" in www.cfilt.iitb.ac.in/wordnet/webhwn/IndoWord netPapers/03_iwn_Sanskrit%20Lexicon.pdf in 8th International Conference on Natural Language Processing, Indo-Wordnet Workshop held at IIT, Kharagpur, Kharagpur from 8th to 11th December 2010

National

1. "Sandhi rules of Pali" in National workshop on Pali Morphological Generator and Analyser, Kavikulaguru Kalidasa Sanskrit University Ramtek, Nagpur 26th and 27th March 2018.

2. "Aayussamskritam : A Computational Tool To Study Ayurveda Texts" in National Conference On Reaching The Unreached Through Science And Technology, Surana College, Bangalore, 6th and 7th October 2017.

3. "Dūrastha-śikṣānvitam prāyogika-saṃskṛtam" in National Seminar on Mukta-dūrastha-śikṣāpraṇālyā saṃskṛtavidhyāprasāraḥ, Rashtriya Samskrita Samsthanam, Rajivgandhi-parisar, Sringeri 04th and 05th March 2017.

4. "Developing Network of Sanskrit words across part-of-speech category" in National Seminar on Computer Science and its Applications in Traditional Śāstras organized by Department of Computer Science, Rashtriya Sanskrit University, Tirupati on 13th – 14th February 2009

5. "Computer Implementation of Sanskrit Sandhi Rules (ver. – 0.1)" in Proceedings of 28th All India Conference of Linguists (AICL-28),Banares Hindu University, Banares, Conference held at Banaras Hindu University, Department of Linguistics from 2nd to 4th November 2006

6. "Computational Analysis of Sandhi" in National Seminar cum workshop on Knowledge representation in Sanskrit and Computer, organized by Department of Sanskrit Vyakarana, Sree Sankaracharya University of Sanskrit, Kalady, Kerala on 27th, 28th February and 1st March 2006

7. "Computation of Sandhi Rules" in "Three day National Seminar on Sanskrit – Tradition and Modern Trends", conducted by Sree Neelakantha Government Sanskrit College, Pattambi, Kerala form 4th to 6th January 2006

Conferences/Seminars/Workshops Co-ordinated

1. "A three day International Workshop on New Research Frontier" held at Aksharam, Bangalore organized by Karnataka Samskrit University, Bangalore from 20th to 22nd November 2017.

Conferences/Seminars/Workshops attended

1. "A three day International Workshop on New Research Frontier" held at Aksharam, Bangalore organized by Karnataka Samskrit University, Bangalore from 20th to 22nd November 2017.

2. "One day conference on Yuva-Exploring the brilliance of India" Organized by Sakshi trust, Bengaluru, 28th August, 2017.

3. "Two-day National Conference on Shuklayajurveda" Organized by Karnataka Samskrit University and Shuklayajurvedeeya Mahasabha Trust, Bengaluru, 18th and 19th April, 2017.

4. "Three days Natonal Workshop on Prayoganushilanam" Organized by Samskrita Bharati Bengaluru and Samskrita Samvardhana Pratishtan, New Delhi held at Aksharam, Bengaluru from 2nd to 4th December, 2016

5. "One day National Seminar on Pali Translation Studies" Organized by Pali Institute, Kalaburgi and Karnatak Sanskrit University, Bengaluru on 10th October, 2015

6. "A two-week International Summer School - The Living Philosophies and Cultures of India" Organized by Manipal University and Chinmaya International Foundation Shodha Sansthan, Veliyanad, Kerala from July 24 to August 7, 2014

7. "5th International Sanskrit Computational Linguistic Symposium" held at IIT,Bombay, Mumbai from 4th to 6th January 2013

8. "5th Global WordNet Conference" Organized by IIT Bombay, Mumbai, India from 31st January to 4th February 2010

9. "Workshop on Sanskrit and Computers : Getting equipped to face new challenges" held at Department of Sanskrit Studies, University of Hyderabad, Hyderabad from 19th to 24th December 2009

10. "7th International Conference on Natural Language Processing" held at University of Hyderabad, Hyderabad from 15th to 17th December 2009

11. "31st All-India Conference of Linguists" held at CALTS, University of Hyderabad, Hyderabad, from 15th to 17th December 2009

12. "Workshop on Samasa Tagging for Development of Sanskrit Computational Tool-kits and Sanskrit Hindi Machine Translation System" held at Poornaprajna Vidhyapeetha Sanskrit College, Bangaluru from 16th to 19th May 2009

13. "Third International Sanskrit Computational Linguistic Symposium" held at Department of Sanskrit Studies, University of Hyderabad, Hyderabad from 15th to 17th January, 2009

14. "Sastra Sadas" conducted by Sree Ramavarma Govt. Sanskrit College Tripunithura, Kerala 2006

15. "Platinum Jubilee International Conference of the Linguistic Society of India", held at the University of Hyderabad from 6th to 8th December 2005

16. "National Symposium on English Grammar in the Light of Paaninian Perspective", conducted by Rashtriya Sanskrit Vidyapeetha, Tirupati from 7th – 9th November, 2005

17. "Sastra Sadas" conducted by Sree Ramavarma Govt. Sanskrit College Tripunithura, Kerala 2002

18. "Sastra Sadas" conducted by Sree Ramavarma Govt. Sanskrit College Tripunithura, Kerala 2000

Lecture Delivered

1. "Tulu Script" in "Workshop on Manuscriptology Paleography and Research Methodology" at Poornapranja Samshodhana Mandiram, Bengaluru from 19th to 30th December 2016.

2. "The Knowledge Structure in Amarakosa" in "One Day Workshop on Natural Language Processing (NLP)" at Department of Computer Science, University of Mumbai, on 25th October 2012.

3. "Sanskrit Computational Tools to Understand Sanskrit Texts" in "A Six-day Workshop on Sanskrit Computational Tools to Understand Sanskrit Texts" at Chinmaya International Foundation, Ernakulam, Kerala From 22nd to 27th December 2011.

4. "Grantha Script learning" in "21 Day National Workshop On Manuscriptology and Research Methodology" conducted by Sanskrit Academy, Hyderabad, from 17th August to 6th September 2009.

5. "Grantha Lipi Tutorials" in "5 Day Workshop On Manuscriptology" conducted by Sanskrit Academy, Hyderabad, from 17th to 21st March 2009.

6. "Computers and Sanskrit Language Processing" in "Short Term Training Program in NLP for Sanskrit Teachers" conducted by Rashtriya Sanskrit Vidyapeetha, Tirupati form 17th – 26th July 2006.

Courses Attended

1. "Shastravyakhyaapaathasatra" organized by Kalidasa Sanskrit Akademi, Ujjain from 5th -11th June 2008.

2. "Shastravaaridha Prakaranagrantha Prasikshana shaala" Conducted by Rashtriya Sanskrit Vidyapeetha, Tirupati form 15th June to 14th July 2005

3. "Two months Intensive Training Programme on MS – Office" conducted by Government of Kerala Department of Technical Education From 1st May to 30th June 2003

Manuscriptology

1. "National Workshop on Manuscriptology and Paleography in Sanskrit Texts" organized by Department of Sanskrit Studies, University of Hyderabad from 17th - 22nd March 2008

2. "National Seminar on Palm Leaf Manuscripts" organized by S.V. Central Library & Research Center, Tirumala Tirupati Devasthanams, Tirupati on 17th & 18th November 2007

3. "Workshop on Conservation of Manuscripts" organized by S.V. Oriental Research Institute, Tirupati with the support of National Mission for Manuscripts Form 24th -28th February 2007

4. "Advanced Workshop on Manuscriptology and Paleography", jointly organized by National Mission for Manuscripts, Rashtriya Sanskrit Vidyapeetha, Tirupati and S.V. Oriental Research Institute, Tirupati From 8th January to 15th February 2007

5. "U.G.C National Seminar on Editing and Study of Manuscripts" Conducted by S.V. Oriental Research Institute, Tirupati from 15th – 16th December 2006

Areas of Interest

1. Sanskrit Computational Linguistics

2. Programming Languages

3. XML tagging

4. Lexicology

5. Manuscriptology

6. Paleography

7. Sanskrit Vyakaraṇa

Technical Skills

1. Linux

2. Windows

3. Latex

4. Ooffice

5. MS office

6. PERL

7. HTML

8. CGI

Languages Known

Malayalam, Sanskrit, English, Hindi, Telugu

Scripts Known

Malayalam, Devanagari, English, Telugu, Tamil, Brāhmī, Grantha, Tigalāri, Nandināgarī, Śāradā, Vatteẓhuttu

Development of E-learning delivery process

1. KnowledgeNet of Amarakosha or Amarakośajñānajālam

Link: http://sanskrit.uohyd.ac.in/scl/amarakosha/index.html

Description

This work was done as a part of my PhD degree. Amarakośajñānajālam is a search engine of the most referred Sanskrit thesaurus Amarakosha. This web tool is an effort to make the implicit knowledge in Amarakosha explicit. This web version helps you in searching words in Amarakośa bearing various kinds of semantic relations to the given word. The semantic relations enabled are: synonymy (paryāya padas), subordintate(hyponymy), superordinate(hyprenymy), part of (avayava), whole (avayavI), pati-patni, sva-svaamibhaava, etc. Placing a cursor on a word shows its position in the Amarakośa and its gender. By selecting the option 'all relations', one can also see all the possible relations depicted in Amarakośa for a given word. An attempt is also made to provide an ontology for each word.

2. Sandhiḥ

Link: http://sanskrit.uohyd.ac.in/scl/

Description

This work was done as a part of my Master degree. Sandhiḥ is a generation engine which produce the joined form of two words in Sanskrit. This web version helps to find the Paniniyan rule of the sandhi formation according to the Ashtadyayi. It gives all the possible answers. Different kinds of encordings are also provided in the interface.

References

Prof. Amba Kulakarni
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