Curriculum Vitae



Name –Dr. Pawan Tamta

Designation – Assistant Professor, In charge Department of Mathematics

Departmental Address- Department of Mathematics , P.N.G. Government Post Graduate College Ramnagar, Nainital

Permanent Address- Near Ram Krishna Dham, Narsingh Bari, Almora Uttarakhand

Teaching Experience- 16 Years

Publications -16

Research Specialization - MatheaticalLinguistics

FIP/RC/FDP Courses- 11

Academic Qualification

Examination	Name of Board /University	Year of Passing	Div/Grade	Subjects
High School	Board of Higher Education and Intermediate	1996	I	Hindi, English, Science Two, Science Two,

	Education UP			Social Science, Botany
Intermediate e	Board of Higher Education and Intermediate Education UP	1998	II	Mathematics, Physics, Chemistry, General Hindi English
Graduation	Kumaun University Nainital	2003	II	Mathematics , Physics , Chemistry
Post Graduation	Kumaun University Nainital	2005	II	Mathematics
NET	CSIR	2009	-	Mathematical Science

Research Degree

Degree	Subject	Title of Research	Date of Award	University
Ph.D.	Mathematics	Application of Statistical and Logical Methods in Optimization for Probabilistic and Voluminous Situations	16.01.2016	Kumaun University Nainital

Publications

S. No.	**Title**	**Year**	**Journal Name**	**Publisher**	**ISSN**	**Remark**
1.	Development of an Algorithm for all Type of Transportation Problems	2011	International Journal of Computer Applications	Foundation of Computer Science, New York, USA	0975 – 8887	Peer-reviewed
2.	Development of an Algorithm for all type of	2012	International Journal of	Foundation of Computer	0975 – 8887	Peer-reviewed

	Network Flow Problems		Computer Applications	Science, New York, USA		
3.	Reduction of Maximum Flow Network Interdiction Problem: Step towards the Polynomial Time Solutions	2013	International Journal of Applied Information Systems	Foundation of Computer Science, New York, USA	2249-0868	Peer-reviewed
4.	A Devanagari Script based Stemmer.	2014	International Journal of Computational Linguistics Research	Digital Information Research Foundation, India	0976-4178	Peer-reviewed
5.	A simple algorithm for the problem of suffix stripping	2014	International Journal of Applied Linguistics	Blackwell Publishing Inc. John Wiley & Sons Ltd, UK	1473-4192	Scopus Web of Science UGC Listed
6.	Suffix Stripping Problem as an Optimization Problem.	2015	Glottotheory	De Gruyter, Germany	2196-6907	Scopus UGC Listed
7.	Comparison of Hedges in Women Writings	2017	Glottotheory	WalterDe Gruyter, Germany	2196-6907	Scopus UGC Listed
8.	Generation, implementation, and appraisal of an N-gram-based stemming algorithm	2018	Digital Scholarship in the Humanities	Oxford University Press, United States	2055-768X	Scopus Web of Science UGC Listed
9.	Simultaneous Removal of Prefix and Suffix	2020	Vietnam Journal of Computer Science	World Scientific Publishing Co	2196-8896	Scopus ACM Digital Library
10.	Writing comparison over Hedges	2020	Journal of International Academy of Physical Sciences	International Academy of Physical Sciences	0974-9373	Peer-reviewed
11.	Inventory Control Systems for Non-Perishable Items Required for Covid Situation in India	2022	International Journal of Research and Analytical Reviews	IJRAR.ORG	2349-5138	Peer-reviewed
12.	Inventory of Hedges in Feminist Writings	2024	Journal of International Academy of Physical Sciences	International Academy of Physical Sciences	0974-9373	Peer-reviewed

13.	Manifestation Process for Recognition of Stems in a Sentence	2025	International Journal of Research and Analytical Reviews	IJRAR.ORG	2349-5138	Peer-reviewed
14.	Identification and Extraction of Hedges for Semantic Search	2025	International Journal of Computer Application	Foundation of Computer Science Delaware, USA	0975-8887	Web of Science
15.	Quantifying the Gradient of Doubt	2025	International Journal of Applied Information Systems	Foundation of Computer Science Delaware, USA	2249-0868	Web of Science
16.	A Deterministic Inventory Model For Deteriorating Items with Fractional Time Dependent Demand	2026	International Journal of Computer Application	Foundation of Computer Science Delaware, USA	0975-8887	Web of Science

Citation Details

1. Tamta P., Pande B.P., Dhami H.S. (2011): Development of an Algorithm for all Type of Transportation Problems.*International Journal of Computer Applications* 30(6):24-30, September 2011. Published by Foundation of Computer Science, New York, USA.(ISSN: 0975 – 8887)

2. Tamta P., Pande B.P., Dhami H.S. (2012):Development of an Algorithm for all type of Network Flow Problems.*International Journal of Computer Applications* 42(17):16-19, March 2012. Published by Foundation of Computer Science, New York, USA.(ISSN: 0975 – 8887)

3. Tamta P., Pande B.P., Dhami H.S. (2013):Reduction of Maximum Flow Network Interdiction Problem: Step towards the Polynomial Time Solutions. *International Journal of Applied Information Systems* 5(3):25-29, February 2013. (ISSN : 2249-0868)

4. Pande B. P., Tamta P., Dhami H. S. (2014). A Devanagari Script based Stemmer. *International Journal of Computational Linguistics Research*. Volume 5 Number 4. 119-130. (Print ISSN: 0976-416X, Online ISSN: 0976-4178)

5. Pande, B. P., Tamta, P. and Dhami, H. S. (2015). A simple algorithm for the problem of suffix stripping. *International Journal of Applied Linguistics*. Volume 25 Number 3: 315-328. doi: 10.1111/ijal.12071. (ISSN: Online:1473-4192, Print: 0802-6106) [In UGC site, print ISSN is mentioned]

6. Tamta P., Pande B. P., Dhami H.S. (2015). Suffix Stripping Problem as an OptimizationProblem. *Glottotheory*. 6(2): 323–337. DOI 10.1515/glot-2015-0013. (OnlineISSN: 2196-6907)

7. Tamta P., Bisht M., Pande B.P. (2017). Comparison of Hedges in Women Writings. *Glottotheory.* 8(1): 47–60. DOI: https://doi.org/10.1515/glot-2017-0002. (ISSN (Online) 2196-6907, ISSN (Print) 1337-7892)

8. Pande, B. P., Tamta, P. and Dhami, H. S. (2019). Generation, implementation, and appraisal of an N-gram-based stemming algorithm. *Digital Scholarship in the Humanities*. 34(3): 558–568, https://doi.org/10.1093/llc/fqy053(Oxford University Press) (ISSN: 2055-7671 Online-ISSN: 2055-768X)

9. Tamta P., Pande B. P.(2020). Simultaneous Removal of Prefix and Suffix. *Vietnam Journal of Computer Science*. 7(2): 1–16. DOI: 10.1142/S2196888820500074

10. Tamta P., Pande B. P., Dhami, H. S. (2020). Writing comparison over Hedges. *Journal of International Academy of Physical Sciences*. 24(4): 373-385.
11. Adhikari T,.Tamta P. (2022). Inventory Control Systems for Non-Perishable Items Required for Covid Situation in India.*International Journal of Research and Analytical Reviews*9(1)

12. Adhikari T,.Tamta P. (2024).Inventory of Hedges in Feminist Writings*Journal of International Academy of Physical Sciences* 29(1),33-39.

13. Bharti.,Tamta P. (2025) Manifestation Process for Recognition of Stems in a Sentence , *International Journal of Research and Analytical Reviews*12(1).

14. Bharti.,Tamta P. (2025) ,Identification and Extraction of Hedges for Semantic Search,*International Journal of Computer Applications* 187(58):24-30,. Published by Foundation of Computer Science, New York, USA.(ISSN: 0975 – 8887)

15. Bharti.,Tamta P. (2025) , *Quantifying the Gradient of Doubt , International Journal of Applied Information Systems*13(2).

16. Adhikari T,.Tamta P. (2026), A Deterministic Inventory Model For Deteriorating Items with Fractional Time Dependent Demand, *International Journal of Computer Applications* 187(148)

Ongoing Research

1. Name of Scholar: Mrs. Tanuja Adhikari
Registration Date: 14.06.2019
Title of thesis: Development and Application of Inventory Managment Tools fo Probabilistic and Voluminous Situations
Status: Ongoing

2. Name of Scholar: Dr. Bharti Misra
Registration Date: 01.08.2023
Title of thesis: Language Processing with Special Reference to Fuzziness of Hedges
Status: Awarded

3. Name of Scholar: Ms.Saadhan Sidduqui
Title of the thesis: Formal Modeling and Extraction of Hedges using Fuzzy Logic in Mathematical Linguistics
Status: Synopsis submitted