

Academic Curriculum Vitae

Name: Dr. Renu

Designation: Assistant Professor

Date of joining in College: 17.05.2018

Department: Mathematics

Area of Specialization: Pure and Applied Mathematics



Academic Qualification:

Degree	Specialization	Institute/College/Department	University
Ph.D.	Fuzzy set, Mathematical Modeling, Automata theory	Dept. Of Mathematics	IIT (ISM), Dhanbad
M.Phil.			
M.Sc.	Mathematics	Dept. Of Mathematics	Banaras Hindu University, Varanasi
B.Sc.	Mathematics, Physics	S.D.P. Degree College, Akberpur, Ambedkar Nagar	Dr. R. M. L. A. University, Faizabad
Cert./Diploma			

NET/SET/GATE Passing Year and University Name: CSIR - JRF (NET), 2014, CSIR-HRDC Delhi

Ph.D. Students guidance: (in Number) - N A

Teaching Experiences: (in Year) - 3 Years

Administrative Experience's - NA

Received Awards: NA

Research Grants: NA

List of Research Papers in the Journals notified on UGC website/other recognized agency.

- R.P Yadav, **Renu Verma**, A numerical simulation of fractional order mathematical modeling of COVID-19 disease in case of Wuhan China, *Chaos, Solitons and Fractals* 199 (2020), 11024. (Impact factor 3.764) [SCI Q1](#)
- **Renu Verma**, S.P. Tiwari, R. K. Upadhyay, Transmission dynamics of epidemic spread and outbreak of Ebola in West Africa: fuzzy modeling and simulation, *Journal of Applied Mathematics*, **60** (2019), 637-671. (Impact factor 1.242) ([Scopus](#)) (Springer Journal)
- P. Pal S.P. Tiwari, **Renu Verma**, On different operators in automata theory based on residuated and co-residuated lattices, *New Mathematics and Natural Computation*, **15** (2019), 169190. (Impact factor 1.327) ([Scopus](#)) (World Scientific Journal)
- **Renu Verma**, S.P. Tiwari, and Ranjit Kumar Upadhyay, Fuzzy epidemic model for the spread of influenza virus and its possible control, *Computational Ecology and Software*, **8** (2018), 32-42. ([International Academy of Ecology and Environment Science](#))
- S.P. Tiwari, V. K. Yadav, Bijan Davvaz, **Renu**, A categorical approach to minimal realization for a fuzzy language, *Fuzzy Sets and Systems* , **351** (2018), 122-137. (Impact factor 3.305) [SCI Q1](#)
- **Renu Verma** and S.P.Tiwari, Distinguishability and completeness of crisp deterministic fuzzy automata, *Iranian Journal of Fuzzy Systems*, **14** (2017), 19-30. (Impact factor 2.276) [SCI Q1](#)
- **Renu Verma**, S.P. Tiwari, and Ranjit Kumar Upadhyay, Dynamical behaviors of fuzzy SIR epidemic model, *Advances in Fuzzy Logic and Technology*, (2017), 482-492. ([Scopus](#)) (Springer Journal)

List Of Books And Chapters in Edited Volumes / Books Published.

List of Papers Presented in National/International Conference-Proceedings.

Details of Professional Development Training, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs.

- Orientation Programme (Faculty Induction programme) held on Feb 02 - March 02, 2021 by Deen Dayal Upadhyay Gorakhpur, University Gorakhpur

Details of the Life Membership Academic Societies, Editorial Board, if any others by the faculty member

- Life member of Indian Mathematical Society
- Society of Applied Mathematics, IIT(ISM), Dhanbad.
- Annual member of EUSFLAT

Declaration

I hereby declare that all information furnished by me in this application is true to the best of my knowledge and belief.

Place- Saharsa, Bihar



Signature

Date. 12.06.2021