CURRICULUM VITAE

Saloni Agrawal
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EDUCATIONAL QUALIFICATION

- Ph.D. thesis submitted at Babasaheb Bhimrao Ambedkar University, Lucknow in Dec 2022 on the topic of "Numerical Study of Time-Fractional Delayed Differential Equations".

- CSIR -UGC NET qualified in June 2014 with AIR 26.
- Master of Science (MATHS) from C.S.J.M Kanpur University with **63%** aggregate in 2011.
- Bachelor of Science (PCM) from C.S.J.M Kanpur University with **66%** aggregate in 2009.
- Intermediate (PCM) from U.P Board with **76%** aggregate in 2006.
- High School from U.P Board with **74.2** % aggregate in 2004.

EXPERIENCE:

- I have worked as a Lecturer at Babu Banarasi Das National Institute of Technology & Management, Lucknow from Aug 2012 to Oct 2013.

- I have worked as an Assistant professor at Institute of Engineering & Technology, Resora, Sitapur (U.P.) from Dec 2013 to July 2015.

- I worked as an Assistant professor at Sacred Heart Degree College, Sitapur from Aug 2015 to June 2017.

- I worked as a Guest faculty in Babasaheb Bhimrao Ambedkar University, Lucknow for the odd semester in 2017.

CONFERENCE/WORKSHOP

- The paper entitled "**Application of RPS Method for Study of Nonlinear Time Fractional Partial Differential Equations with proportional Delay**" was presented in "International Conference on Recent Advances in Pure and Applied Mathematics" at Delhi Technological University, Delhi from October 23-25, 2018.

- The paper entitled **"Study of Nonlinear Fractional Generalized Burger Equation with proportional Delay via q-HAM"** was presented in "The International Conference on

Applied Mathematics & Computational Sciences", Dehradun Institute of Technology, Dehradun (UK)-India from October 17 -19, 2019.

- Participated in the **"Workshop cum Winter School on Methods for Nonlinear Dynamical Systems and Chaos"** organized by the Department of Mathematics, National Institute of Technology Uttarakhand-India, held at MNIT Jaipur from December 23-27, 2019.
- Participated in the International Conference on **"**ADVANCES IN DIFFERENTIAL EQUATIONS AND NUMERICAL ANALYSIS", October 12-15, 2020**,** organized by the department of mathematics, IIT Guwahati, and presented the paper entitled "**A New Approximation for Conformable Time Fractional Nonlinear Delayed Differential Equations via Two Efficient Methods".**
- The paper entitled "**A Novel technique for approximation of nonlinear time fractional partial differential equations with delay argument**" was presented in the 3rd National Conference on "Recent Advancement in Physical Sciences" jointly organized by the Department of Chemistry, Department of Physics & Department of Mathematics, National Institute of Technology, Uttarakhand during December 19 20, 2021 at NIT Uttarakhand.

Published Article

- Brajesh Kumar Singh, Saloni Agrawal, "**A new approximation of conformable time fractional partial differential equations with proportional delay**", **Applied Numerical Mathematics** (Elsevier), 157 (2020) 419–433, DOI: https://doi.org/10.1016/j.apnum.2020.07.001.
- Brajesh Kumar Singh, Saloni Agrawal, "**Study of Nonlinear Fractional Generalized Burger Equation with proportional Delay via q-HAM**", in the eBook **Series: A.R Proceedings;** ISSN: 2582-3922; ISBN: 978-81-942709-6-6, Doi: https://doi.org/10.21467/proceedings.100.15:
- Brajesh Kumar Singh, Saloni Agrawal, "**Analytical study of higher order time fractional differential equation with proportional delay for large time scale**" in the eBook "**Computing and Simulation for Engineers**", **CRC Press, Taylor & Francis Group**.
- Brajesh Kumar Singh, Saloni Agrawal**,** "**A New Approximation for Conformable Time Fractional Nonlinear Delayed Differential Equations via Two Efficient Methods"** in the eBook "**Mathematical Modeling in Intelligent Systems: Theory, Methods, and Simulation", CRC Press, Taylor & Francis Group.**
- Brajesh Kumar Singh, Saloni Agrawal, "**Study of time fractional proportional delayed multi-pantograph system and integro-differential equations**", **Math. Meth. Appl. Sci.** 2022 (Wiley); 1- 24. DOI:10.1002/mma.8335.

DECLARATION: - I hereby declare that all the information given is true to the best of my knowledge.

Saloni Agrawal