



## Mr. Rajesh Kumar Singh

Assistant Professor, Department of Mathematics,  
Kashi Naresh Government P. G. College Gyanpur Bhadohi-221304,  
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### EDUCATION

- **M.Sc. in Mathematics (Gold Medal)** from Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi, India (91.00%) in 2016
- **B.Sc. (Honours) in Mathematics (Gold Medal)** from Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi, India (89.60%) in 2014
- **12<sup>th</sup>** U.P. Board, Allahabad with 80.20% in 2010
- **10<sup>th</sup>** U.P. Board, Allahabad with 76.33% in 2008
- **Research Area:** Mathematical Modeling

### Examination Qualified

Year	Examination Name
2015- December	UGC-JRF
2016-June	CSIR-JRF

### PUBLICATIONS

1. A.K. Misra, **Rajesh Kumar Singh**, Pankaj Kumar Tiwari, Subhas Khajanchi and Yun Kang. Dynamics of algae blooming: effects of budget allocation and time delay. *Nonlinear Dynamics* 100, 1779-1807(2020) (DOI: <https://doi.org/10.1007/s11071-020-05551-4>)
2. Pankaj Kumar Tiwari, **Rajesh Kumar Singh**, Subhash Khajanchi, Yun Kang and A.K. Misra. A mathematical model to restore water quality in urban lakes using Phoslock. *Discrete and Continuous Dynamical Systems- Series B* June2021 26(6), 3143-3175 (DOI: [10.3934/dcdsb.2020223](https://doi.org/10.3934/dcdsb.2020223))
3. Pankaj Kumar Tiwari, **Rajesh Kumar Singh**, Debaldev Jana, Yun Kang and A. K. Misra. A Nonautonomous Mathematical Model to assess the impact of Algae on the Abatement of Atmospheric Carbon Dioxide. *International Journal of Biomathematics* Vol. 14, No. 07 2150059(2021) (<https://doi.org/10.1142/S1793524521500595>).

### WORKSHOPS AND CONFERENCES ATTENDED

1. Participated and Presented a paper in “34<sup>th</sup> Annual conference of the Mathematical Society- Banaras Hindu University on Emerging Trends in Combinatorics and its Applications” in BHU, Varanasi, India (22 Feb-23Feb, 2019).
2. Participated and Presented a paper in “The National Conference on Recent Trends in Differential Equation: Theory, Modeling and Computation 2019(NCDE-2019)” held at IIT Patna during March 29-30, 2019.

3. Participated and Presented a paper in “35<sup>th</sup> Annual conference of the Mathematical Society- Banaras Hindu University on Advancements in Mathematical Analysis and their Application (AMATA-2019)” in BHU, Varanasi, India (November, 11-12, 2019).
4. Participated and Presented a paper in “7<sup>th</sup> India Biodiversity Meet 2019 Organised by the Agricultural and Ecological Research Unit Indian Statistical Institute, Kolkata” (November 19-21, 2019).
5. Participated in an Online Faculty Development Program on “Mathematical Perspective of Epidemic Outbreak with Special Focus on COVID-19” organized at IIIT Bhagalpur from 18-22, March 2021.

**PERSONAL INFORMATION**

**Father's Name:** Deo Narayan Singh

**Mother's Name:** Ram Sakhi Devi

**Date of Birth:** 17/05/1993

**Address:** Village- Malipur, Post- Barpokhar, Tahasil- Koraon, District- Prayagraj 212306, Uttar Pradesh, India.

**Nationality:** Indian

**Language Known:** Hindi, English