

## RESUME

**Dr. RASHI GUPTA**

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**Address**

Flat No. 207, Grand, Exotica,  
Infront of T.V. Tower, Shankar  
Nagar, Raipur(C.G.)

### OBJECTIVE:

To prove myself as an asset for your organization. To enhance my knowledge and experience by utilizing opportunities provided by your esteem organization.

### EDUCATIONAL QUALIFICATION:

1. Ph.D. (Full Time) from NIT, Raipur (C.G.) in 2014-2018 under the supervision of Dr. Nilesh Kumar Thakur entitled “ **Mathematical Modelling of Complex Ecological Systems: Models and Methods**” .
2. Passed M.Phil (Maths) from Pt R.S.University with **77.33%** in 2010.
3. Passed M.Sc (Maths) from Pt R.S.University (Chhattisgarh college) with **85.85%** in 2009.
4. Passed B.Sc (Maths) from Pt R.S.University (Degree girls college) with **77.83%** in 2007.(**1<sup>st</sup> Rank**)
5. Passed H.S.S. Exam from C.G. Board (Salem English School, Raipur) with **82.2%** in 2004.
6. Passed H.S.C. Exam from C.B.S.E. Board (Mennonite English School, Dhamtari) with **73.2%** in 2002.

### WORKING EXPERIENCES:

- 1) About 3.5 months of teaching experience in CENTER FOR BASIC SCIENCES, PT. RSU as a guest faculty from Jan 2020 to April 2020.
- 2) About 9 months of teaching experience in CENTER FOR BASIC SCIENCES , PT. RSU as a

guest faculty from August 2018 to May 2019.

- 3) About one year of teaching experience in NIT, RAIPUR (C.G.) as a teaching assistant from Aug 2013 to May 2014.
- 4) About three years of teaching experience in NIT, RAIPUR (C.G.) as a Lecturer on Contract Basis from July 2010 to May 2013.

### **PAPER PUBLISHED(6):**

- 1) Thakur, N. K., **Gupta, R.** and Upadhyay, R. K. (2015) Turing and Non-Turing patterns in diffusive plankton model, *Computational Ecology and Software* 5 (1), 16-27.(**Web of Science** Indexed) (ISSN: 2220-721X).
- 2) Thakur, N. K., **Gupta, R.** and Upadhyay, R. K. (2017) Complex Dynamics of Diffusive Predator-Prey System with Beddington-DeAngelis functional response: The role of Prey-Taxis, *Asian-European Journal of Mathematics* 10 (1), 1-15.(**Scopus** Indexed)
- 3) **Gupta, R.** (2017) Dynamics of a Holling Tanner Model, *American Journal of Engineering Research* 6(4), 132-140.( e-ISSN: 2320-0847, p-ISSN : 2320-0936) .
- 4) Nilesh Kumar Thakur, **Rashi Gupta** (2017) Analysis of Complex Wetland Ecological System : Effect of Harvesting, *Computational Ecology and Software* 7 (4), 140-152.(**Web of Science** Indexed) (ISSN: 2220-721X)
- 5) **Rashi Gupta** (2019) Dynamics of Three Species Plankton Model with Holling Type-IV Functional Responses and Control of Toxic Phytoplankton, *Computational Ecology and Software* 9 (3), 89-106.(**Web of Science** Indexed) (ISSN: 2220-721X).
- 6) **Rashi Gupta** (2020) Understanding of plankton patterns and complex spatial interaction among nontoxic phytoplankton, toxic phytoplankton and zooplankton populations, *Computational Ecology and Software* 10 (2), 74-93.(**Web of Science** Indexed) (ISSN: 2220-721X).

## Reviewer of the Journal:

1)Asian Journal of Fisheries and Aquatic Research

## COURSES TAUGHT: (NIT RAIPUR)(from July 2010 to May 2014)

UG level (B.Tech)

- Applied Mathematics – I
- Applied Mathematics – II
- Applied Mathematics – III
- Discrete Structure
- Numerical Analysis
- Biostatistics

PG level (M.Tech)

- Numerical Method

## COURSES TAUGHT: (PT. RSU RAIPUR)(from Aug 2018 to April 2020)

M.Sc.(Integrated)

- Functional Analysis, Fourier Analysis (4<sup>th</sup> year)
- Numerical Analysis, Complex Analysis (3<sup>rd</sup> year)
- Essential Mathematics, Discrete Mathematics, Topology I, Statistical Technique and Its Application (2<sup>nd</sup> year)
- Mathematics – I, Mathematics –II (1<sup>st</sup> year)
- Operation Research (5<sup>th</sup> year)

## COMPUTER SOFTWARE EFFICIENCY:

Latex, Matlab

## EXTRA CURRICULUM ACTIVITY:

Institutional Examination Work in NIT RAIPUR from July 2010 to May 2013.

## National/International Conference/Short-term Training/Workshop (9):

- 1)Attended 2 days National Conference on **Establishing Kinship between Mathematical Sciences & Society** sponsored by UGC, CGCOST & Deptt. of Higher Education (C.G.) held at Dept. of Mathematics, Govt.V.Y.T.PG AUTONOMOUS COLLEGE, DURG (C.G.) during Oct. 30- 31, 2009.
- 2)Attended 1 day Workshop on **Deployment and Collaboration of Analytical Reports &**

**Models** held at NIT Raipur (C.G.) on Feb. 1, 2013.

- 3) Attended 1 day Workshop on **Mathematical Modeling, Chemoinformatics and Quantum Chemistry** conducted by Dept. of Electronics & Telecommunication & Central Computing Center, NIT Raipur on Feb. 19, 2013.
- 4) Attended 1 day Training Program on **Uses of E-Resources** organized by Central Library, NIT Raipur on Sept. 10, 2014.
- 5) Attended 5 days Short-Term Training Program on **Current Trends in Applied Mathematics: Applications and Future Aspects** under TEQIP phase II at Dept. of Mathematics, NIT Raipur during July 06-10, 2015.
- 6) Attended 1 day National Conference on **Challenges in Mathematics for the Development of Science and Technology** (BITCON) organised by Dept. of Applied Mathematics, BIT, Durg, on March 28, 2017.
- 7) Attended 1 day National Webinar on “**The Career Opportunities in Decision Sciences and Mathematical Statistics**” (Online) on 25 Sep, 2020 organised by Mathematics Division, University Institute of Sciences, Chandigarh University, Mohali (Punjab), India.
- 8) Attended 1 day National Webinar on “**Mathematics in Industry, Challenges & Frontiers(NWMICF-2020)**” (Online) on 3 Oct, 2020 organised by Department of Statistics and Applied Mathematics, School of Mathematics and Computer Sciences(SMCS), Central University, Tamil Nadu, India.
- 9) Attended 4 days National Conference on “**Mathematical Modelling with Differential Equations-NCMMDE 2020**” (Online) held during 14<sup>th</sup> Oct – 17<sup>th</sup> Oct organized by DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous) College with Potential for Excellence Linguistic Minority Institution, Chennai.

### **PERSONAL INFORMATION:**

Name	:	Ms Rashi Gupta
Father's Name	:	Mr Krishna Bhushan Gupta
Date Of Birth	:	03.10.1986
Marital Status	:	Single
Language known	:	English and Hindi
Address	:	C/O Shri. K. B. Gupta, Flat No. 207, Grand, Exotica, In front of T.V. Tower, Shankar Nagar, Raipur (Chhattisgarh).
Contact No.	:	9575833080

**DECLARATION:**

I hereby declare that the above mentioned information is true to the best of my knowledge and belief.

Date: / /

Place: Raipur (C.G.)

(RASHI GUPTA)