



## Dr. Ritesh Pandey

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**E-mail: ritesh.au@gmail.com**

### Professional Summary:

<b>Qualification:</b>	Ph.D., M.Phil.(Mathematics), M.Sc.(Mathematics)
<b>Work Experience:</b>	More than 12 years.
<b>Current Academic Designation:</b>	Associate Professor.
<b>Organization:</b>	Shambhunath Institute Of Engineering and Technology (Affiliated to UPTU, Lucknow) Approved by AICTE, New Delhi
<b>Specialisation:</b>	Mathematical Modeling, Mathematical Epidemeology.

### Career Highlights:

#### ❖ *Teaching Profile:*

- Teaching as an **Associate Professor** in the department of Applied Sciences (Mathemtics), “**Shambhunath Institute of Engineering and Technology**”since 2006.
- Teaching area:-
  - Engineering Mathematics I, II, III
  - Numerical Techniques
  - Operations Research(Quantitative Techniques).
  - Computer based numerical techniques

### Job Profile:

- Taking decision related to all administrative & student’s related activities.
- Scheduling the classes & monitoring the performance of other faculty members.
- Arranging workshops, Academic seminars, guest lectures for the students.
- Providing Personal counseling to the students related to their overall development and suggesting ways for their continuous improvement in the subject areas.

### ❖ *Responsibilities Undertaken:*

- Taken Classes in Engineering Mathematics , Operations Research and Numerical Techniques subject area.
- Supervised the students in preparing reports, dissertations.
- Arranged guest lectures & Academic seminars for the students.

### **Educational Qualification:**

- Completed Ph.D. in Mathematics from Department Of Mathematical Sciences A.P.S. University Rewa, Madhya Pradesh in 2014  
**Title of the my Thesis is “Mathematical Models for the study transmission of certain vector transmitted diseases”**
- M. Phil. in Mathematics from Global Open University, Nagaland, in 2008.
- Master of Science in Mathematics from University of Allahabad, in 2004 .
- Bachelor of Science in Mathematics, Physics and Chemistry from University of Allahabad, in 2002.

### **Life Membership of International Mathematical Societies:**

- Life Member of **International Academy of Physical Sciences, Allahabad** since 2008. Life Membership No. N0821
- Life Member of **Ramanujan Mathematical Society, Thiruchirappalli** since 2012. Life Membership No. 747.
- Life Member of **Indian Science Congress Association** since 2017. Life Membership No. L33632.

### **Visiting Student Summer Programme:**

- Successfully Participated in Visiting Student Summer Programme Held at **Harishchandra Research Institute, Allahabad** in June 2003.

### **Workshops and Conferences(Paper Presented):**

- Presented a paper entitled **Modeling of the spread of P.vivax and P.falsiparum malaria and controlled by larvivorous fish.** In the workshop of Latex and Scilab held at UGC Academic Staff College, University of Lucknow in November, 2011.
- Presented a paper entitled **Modeling and analysis of the spread of plasmodium Vivax and plasmodium falsiparum malaria** In the International conference **CONIAPS VIII** held at University of Petroleum and energy studies, Dehradun. In June, 2011.

- Presented a paper entitled **An special prey- predator Model** in the national conference held at ShriramMurthiSmarak College of Engineering and Technology,Bareilly in September, 2008.
- Presented a paper entitled **Mathematical Modeling of malaria transmission and chemical control** In the national conference of Differential Geometry and its applications (DGACON 2014) held at Department of Mathematics, University of Allahabad in December, 2014.
- Presented a paper entitled **Study of mathematical modeling of malaria transmission and control by use of larvivorous fish** in the 17<sup>th</sup> International conference of International academy of Physical Sciences (CONIAPS XVII) held at University of Rajasthan, January, 2015.
- Presented a paper entitled **Study of mathematical modeling of malaria transmission and biological control with human related activities** . In the International conference on Recent Trends in Mathematics held at Department of Mathematics, University of Allahabad in July , 2015
- Presented a paper entitled **Study of mathematical modeling for malaria transmission and chemical control** . In the International conference on India Biodiversity meet-2015 held at Indian statistical Institute Kolkata in November 2015.
- Presented a paper entitled **Chemical control of malaria with human related activities: A mathematical modelling approach**. In CONIAPS XVIII held at Faculty of Science, University of Allahabad in December 2015.
- Presented a paper entitled **Mathematical modeling of malaria transmission and Chemical control with human related activities** . In the NNMCB The 2015 NNMCB national meeting held at CSIR-NCL and IISER Pune in December 2015.
- Presented a paper entitled **A delay mathematical modeling of malaria transmission and Chemical control** in the **CONIAPS XX 2017** an international conference held at department of mathematics, Faculty of Science, Osmania University, Hyderabad, Telangana July 2017.

#### **Workshops and Conferences(Attended):**

- Attended National conference on **Current Trends In Mathematics** ,held in DepartmentofMathematics,University Of Allahabad in August, 2002.
- Attended an International conference of **74<sup>th</sup>Annual of Indian Mathematical Society**in the Department of Mathematics in University of Allahabad in Dec,2008.
- Attended an international conference **CONIAPS XIorganised by the IIDS, university of Allahabad** in February 2010
- Attended **CONIAPS XII** Organised by Department of Mathematics,University Of Rajasthan Jaipur in Dec, 2010.
- Attended **3<sup>rd</sup> National Symposium on Modern trends in differential geometry and mathematical modelling in biosciences**,organisedby department of mathematics university of lucknow in January 2011.
- Attended **CONIAPS XIV** Organised by SVNIT,Surat in dec 2011
- Attended **Advanced workshop on partial differential equations:Analysis and Applications (PDEAA-2013)** organised DST centre for interdisciplinary Mathematical Sciences and department of Mathematics, Faculty of Science, Banaras Hindu University in July 2013.

- Attended a **six days workshop on advanced level research workshop on Mathematical modelling of environmental, ecological and epidemiological systems(ALRWMEEES)** jointly organised by department of mathematics IIT Bombay Department of mathematics, institute of science, BHU, Varanasi during the period august 24-29, 2016.

### **Invited Talk:**

Delivered a lecture in the Instructional Workshop on **R, SciLab and GAP** from 7<sup>th</sup> to 16<sup>th</sup> January 2015 in the Department of mathematics and Statistics, SHIATS, Allahabad

### **Research Publications :**

Published a paper entitled *Mathematical Modeling of Malaria Transmission and Chemical Control*, in *JIAPS*,

Published a paper entitled *Mathematical Modeling of Malaria Transmission and Biological Control* in *Journal of Tensor Sosciety of India*.

Published a paper entitled *Modeling of Malaria Transmission and biological Control with human related Activities:A Mathematical Modeling Approach*, in *JIAPS*,

Communicated a paper *Mathematical Modeling of Malaria Transmission and Chemical Control with human related activities in National academic of Science Letters (An SCI Journal)*

### **Personal Details:**

Father's name: Late Shri.S.J.Pandey  
Mother's name Smt. YashwatiPandey  
Date of birth: 6<sup>th</sup>June 1980  
Mailing Address: 239/1L/2 TilakNager,  
Allapur,Allahabad,  
211006  
India  
Nationality: Indian

### **References:**

#### **Prof. P.N.Pandey**

Professor and Head, Department of Mathematics, University of Allahabad, Allahabad- U.P. India.

#### **Prof. R.N.Singh**

Professor, Department of MathematicalSciences,A.P.S. University,Rewa. Madhya Pradesh. India

**Prof A.K. Misra**

Professor, Department of Mathematics, Banaras Hindu University, India.

**I hereby declare that the above information given is true and correct to the best of my knowledge.**

**DATE :8<sup>th</sup> May 2018**

**PLACE Allahabad**



**Ritesh Pandey**