

Resume

Dr. RUPESH KUMAR SRIVASTAV

Head, Department of Mathematics
Dr. Shivanand Nautiyal Govt. P. G. College
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CAREER OBJECTIVE

Intend to build a career with Prestigious Institutions having committed and dedicated people, which will help me to explore myself fully and realize my potential. Willing to work as a key player in challenging & creative environment.

INTERESTS

Teaching and conducting research in the fields of Engineering Mathematics, Differential Equation, Numerical and Complex Analysis, Computational Fluid Dynamics (CFD), Multiphase Flows, Heat and Mass Transfer, Nonlinear Analysis, Thermodynamics,.

PRESENT STATUS

Working as an Assistant Professor in “Dr. Shivanand Nautiyal Government Post Graduate College” Karanprayag, UK.

ACADEMIC QUALIFICATION

- **Ph.D.** 2015,
Integral University, Lucknow, India.

Title: “A Study of Flow through Constricted Tube with reference to Blood”

Supervisor: Prof. Q. S. Ahmad, Scientific Unit, Deanship of Educational Services Qassim University, Kingdom of Saudi Arabia
Ex. C.O.E., Integral University, Lucknow.

Co-Supervisor: Dr. Abdul Wadood Khan, Integral University, Lucknow
& Late Dr. V. P. Srivastava, D.Sc., Director-Krishna Institute of Technology, Kanpur and Ex-Associate Professor University of Liberia, West Africa.

LIST OF RESEARCH PUBLICATIONS

1. **Rupesh K. Srivastav**, Manisha Gupta and Poonam Sinha “A Steady Flow Of Blood Through A Stenosed Artery With A Balloon-Catheter Technique”, International Journal of Advanced Research, ISSN: 2320-5407, Vol. 5, Issue 5, pp. 1564-1572, 2017.
2. **Rupesh K. Srivastav**, Indu Kumar and Poonam Sinha “Response of a composite stenosis for two-layered blood flow through arteries”, Journal of Computation in Biosciences and Engineering, ISSN: 2348-7321, Vol. 3, Issue 4, pp. 1-5, 2017.
3. **Rupesh K. Srivastav**, Atul Kumar Agnihotri and Manisha Gupta, “A Mathematical Model for Analysis of Blood Flow in a Stenosed artery with Permeable Wall” Asian Journal of Science and Technology, ISSN: 0976-3376, Vol. 7, Issue 1, pp. 2230-2236, 2016.
4. **Rupesh K. Srivastav** “Two-Layered Model of blood flow through arterial catheterization with non-symmetric constriction”, Journal of Computation in Biosciences and Engineering, ISSN: 2348-7321, Vol. 2, Issue 2, pp. 1-8, 2015.
5. **Rupesh K. Srivastav** and Atul Kumar Agnihotri “Blood Flow Through A Bell-Shaped Stenosis In Catheterized Arteries”, e-Journal Of Science & Technology (Greece), ISSN: 17905613, Vol. 10, Issue 1, pp. 1-11, 2015.
6. **Rupesh K. Srivastav and Atul Kumar Agnihotri**, “Non-Newtonian Power-Law Blood Fluid Flow Through a Bell Shaped Stenosis in Artery”, Journal of Multidisciplinary Scientific Research, (Africa), ISSN: 2307-6976, Vol. 1, Issue 5, pp. 39-45, 2014.
7. **Rupesh K. Srivastav** “Mathematical Model of Blood Flow Through A Composite Stenosis In Catheterized Artery With Permeable Wall”, Appl. Appl. Math., (U.S.A.), ISSN: 1932-9466, Vol. 9, Issue 1, pp. 58-74, 2014.
8. **Rupesh K. Srivastav** and V. P. Srivastava, “On two-fluid blood flow through stenosed artery with permeable wall”, Applied Bionics and Biomechanics, (Netherlands), ISSN: 1176-2322, Vol.11 Issue 1-2, pp. 39-45, 2014.
9. **Rupesh K. Srivastav**, Qazi Shoeb and Ahmad Abdul Wadood Khan, “A Two-Layerd Blood Flow Through An Overlapping constriction With Permeable wall”, e-Journal of Science & Technology (Greece), ISSN: 17905613, Vol. 8, Issue 4, pp. 73-86, 2013.
10. **Rupesh K. Srivastav**, Qazi Shoeb Ahmad and Abdul Wadood Khan, “Two-Phase model of Blood Flow Through A Composite Stenosis In The

Presence Of Peripheral Layer”, Journal of Multidisciplinary Scientific Research, (Africa), ISSN: 2307-6976, Vol.1, Issue 5, pp. 39-45, 2013.

11. **Rupesh K. Srivastav**, Qazi Shoeb Ahmad and Abdul Wadood Khan, “*Blood Flow Through An Overlapping Stenosis In Catheterized Artery With Permeable Wall*”, e-Journal Of Science & Technology (Greece), ISSN: 17905613, Vol. 8, Issue 2, pp. 43-53, 2013.
12. Amit Medhavi, **Rupesh K. Srivastav**, Qazi Shoeb Ahmad and V.P. Srivastava, “*Two Phase Arterial Blood Flow Through a Composite Stenosis*”, e-Journal of Sci. & Tech., (Greece), ISSN: 17905613, Vol. 7 Issue1, pp. 83-94, 2012.
13. V.P. Srivastava, Mala Tandon and **Rupesh K.Srivastav**, “*A Macroscopic Two-Phase Blood Flow through a Bell Shaped Stenosis in an Artery with Permeable Wall*”, Appl. Appl. Math. (USA), ISSN: 1932-9466, Vol. 7, Issue 1, pp. 37-51, June 2012.

LIST OF COMMUNICATED PAPERS

1. **Rupesh K. Srivastav** “Blood Flow Through a Stenosed Artery with Dilatation”.

RESEARCH PUBLICATIONS

- | | |
|---------------------------------------|----|
| 1. Research Papers Published/Accepted | 13 |
| 2. Papers Submitted | 03 |

RESEARCH PUBLICATIONS IN JOURNALS

1. Applications and Applied Mathematics, U.S.A..
2. E-Journal of Science & technology, Greece.
3. Asian Journal of Science and Technology.
4. Journal of Multidisciplinary Scientific Research, Africa.
5. Applied Bionics and Biomechanics, Neetherland.
6. Journal of Computation in Bioscience and Engineering, Taiwan.
7. International Journal of Advanced Research.

AREA OF RESEARCH

- Biomechanics/Bio-fluid Mechanics: Stenosis, Peristalsis and Suspension Flows, Flow in Renal Tubules.
- Differential Equations, Numerical methods for solving Differential equations.

REVIEWER TO THE JOURNALS

1. International Journal of Fluid Mechanics Research.

2. Asian Research Journal of Mathematics.
3. International Journal of Biomathematics.
4. Asian Journal of Physical and Chemical Sciences.

MEMBERS OF ACADEMIC SOCIETIES

1. Bharat Gantia Parishad, Lucknow University, Lucknow, India.

BOOK PUBLICATIONS

1. "Blood Flow Analysis Through a Bell Shaped Stenosed Artery" by **Rupesh Kumar Srivastav**, ISBN 978-3-659-96286, Lambert Academic Publishing.
2. "Linear Algebra and Matrices"
3. "Geometry and Vector Calculus"
By Dr. Vinod Kumar, **Rupesh K. Srivastav** Epsilon Publishing House Pvt. Ltd., Kanpur

Courses Done at IU, Lucknow (During Ph.D.):

- Research Methodology
- Fluid Mechanics

WORKSHOPS/CONFERENCES ATTENDED AND PAPERS PRESENTED

1. Attended International Training Workshop/ QIP Short Term Course on "**Fuzzy Logic with Applications**" under the QIP programme held from 20.03.2017 to 25.03.2017 in the department of *Mathematical Sciences*, IIT(BHU), Varanasi.
2. Attended the STC on "**Recent Advances on Numerical Methods for Solving Engineering Problems**" under the QIP programme held from 13.02.2017 to 24.02.2017 in the department of *Mathematical Sciences*, IIT(BHU) Varanasi.
3. Attended the STC on "**Mathematical Analysis and Application**" under the QIP programme held from 04.07.2016 to 08.07.2016 in the department of *Mathematics*, IIT Roorkee.
4. Attended the STC on "**Dynamical Systems and Control**" under the QIP programme held from 29.06.2015 to 03.07.2015 in the department of *Mathematics*, IIT Roorkee.
5. Attended International workshop "**Mathematical Computations using Software Tools**" under the QIP programme held from 25.03.2015 to 27.03.2015 in the department of *Mathematics*, South Asian University, Delhi.

6. Attended a workshop on **“Data Analysis by SPSS”** held on 25th Feb. 2015 in the Department of *Mathematics*, Integral University, Lucknow.
7. Attended “3rd National Conference on Challenges & Opportunities for Technological Innovation” in India held at AIMT, Lucknow on 14th Feb. 2015.
8. Presented a Paper entitled **“Two-Phase Arterial Blood Flow through A Composite Stenosis”** in “2nd National Conference on Challenges & Opportunities for Technological Innovation” in India held at AIMT, Lucknow on 22nd Feb. 2014.
9. Attended the STC on **“Mathematical Computations using Software Tools”** under the QIP programme held from 01.07.2013 to 05.07.2013 in the Department of *Mathematics*, IIT, Roorkee.
10. Attended *National Seminar on “Technical Education and Challenges”* organized by the Society for the Advancement of Environment Science & Convened by Dr. M.C. Saxena Group of Colleges, Lucknow (22nd & 23rd Feb. 2013).
11. Presented a Paper entitled **“Two-Phase Arterial Blood Flow through a Composite Stenosis”** in “National Conference on Challenges & Opportunities for Technological Innovation” in India held at AIMT, Lucknow on 16th Feb. 2013.
12. National Conference on **“Mathematical Modelling and Computer Simulation”** held during March 23-25, 2012 at the Department of Mathematics IT, BHU, Varanasi.
13. Advanced Training Programme on **“Optimization and its application”** during November 23-29, 2011 at of Mathematics BHU, Varanasi.
14. Attended National Symposium on **“Modern Trends in Differential Geometry and Mathematical Modelling in Bio-Sciences”**, held during December 24-25, 2008 at the Department of Mathematics, Lucknow University, Lucknow.
15. Attended Conference on Mathematics-2008 conducted by Bharat Ganita Parishad & Department of Mathematics & Astronomy Lucknow University during December 22-23, 2008 at the Department of Mathematics, Lucknow University, Lucknow.
16. Attended Conference of Tensor Society on **“Application of Tensor and Differential Geometry”** during July 5-6, 2008 at Sri Ramswaroop Memorial College of Engineering and Management Lucknow.

WORK EXPERIENCE [Teaching – 10+ years]

- Ambalika Institute Of Mgmt & Technology, Mohanlalganj, Lucknow
Asst. Prof. (Mathematics) From 19, June 2014 to 15 June 2019
(The key responsibility is to take Lectures of B.Tech. 1st, 2nd and 3rd Sem classes)
- Krishna Institute Of Technology Amiliha, Kanpur (U. P.)
Sr Lecturer (Mathematics) From 6, June 2009 to 19 July 2010
(The key responsibility is to take Lectures of B.Tech. 1st and 2nd Sem classes)
- Kanpur Institute Of Technology Rooma, Kanpur (U. P.)
Sr Lecturer (Mathematics) From 19, July 2008 to 1 June 2009
(The key responsibility is to take Lectures of B.Tech. 1st, 2nd, 3rd and 6th Sem classes)
- Sagar Institute Of Technology & Mgmt, Faizabad Road, Barabanki
Lecturer (Mathematics) From 18, Sept. 2007 to 18 July, 2008
(The key responsibility is to take Lectures of B.Tech. 1st, 2nd Sem classes)
- P.M.S. Degree College Lakhperabag, Barabanki (U. P.)
Lecturer (Mathematics) From 6 Dec. 2003 to Sept. 2007
(The key responsibility is to take Lectures of B.Sc. 1st, 2nd and 3rd year classes)

RELEVANT SUBJECTS: - Algebra, Analysis, Differential Equation, Operations Research

COMPUTER PROFICIENCY

- Sound Knowledge of MS Office, Latex, MATLAB, C, Mathematica.

INSTITUTIONAL WORK (Academic/Administration)

- Member – Examination Cell
- Class room instruction
- Curriculum development
- Students assessment and evaluation including examination work of university
- Students guidance and counseling and helping their personal, ethical, moral and overall character development
- Member – Timetable Committee
- Incharge department of Mathematics

HONORS:-

- Rated as an excellent faculty in the odd semester of 2004-15 at Ambalika Institute of Management & Technology, Lucknow.

- Rated as an excellent faculty in the odd semester of 2014-15 at Ambalika Institute of Management & Technology, Lucknow.
- Rated as an excellent faculty in the even and odd semester of 2009-10 at Krishna Institute of Technology, Kanpur.
- Rated as an excellent faculty in the odd semester of 2008-09 at Kanpur Institute of Technology, Kanpur and rewarded.
- Rated as an excellent faculty three times during 2003-07 at P.M.S. Degree College, Barabanki.

HOBBIES:- Reading books, playing Cricket, Chess.

PERSONAL INFORMATION

Father's Name	:	Late Sri V. K. Srivastav
Date Of Birth	:	15-07-1976
Nationality	:	Indian
Religion	:	Hindu
Marital Status	:	Married
Languages Known	:	Hindi, English
Address for Correspondence :		Dr. Shivanand Nautiyal Govt. P. G. College Karanprayag-246444, Chamoli (UK)

REFERENCES:

- **Prof. Dwijendra Narain Pandey**
Mob. No.: +91-9373346822
Department of Mathematics
Indian Institute of Technology, Roorkee, U.K.
- **Prof. Amit Medhavi**
Mob. No.: +91-9532888592
Department of Mechanical Engineering
Kamla Nehru Institute of Technology, Sultanpur, India
- **Prof. Qazi Shoeb Ahmad**
Scientific Unit, Deanship of Educational Services
Qassim University, Kingdom of Saudi Arabia
Mob No.: +96-6534752738
&
Ex. Controller of Examination
Integral University, Lucknow, U.P., India
Mob No.: +91-9795325631
- **Dr. Ram Kishor Pandey**
Mob. No.: +91-9455543081
Department of Mathematics

Dr. Hari Singh Gour University, Sagar, M.P., India

On the basis of my qualification and teaching Experience you are requested to kindly give me a chance to serve in your institution.

Looking forward to a favorable reply.

Thanks in anticipation.

Date:

Place:

(Rupesh Kumar Srivastav)