

# DR. PRAMOD KUMAR SRIVASTAVA

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## Aims to scale heights in Teaching Profession with an organization of repute

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- ⇒ **A PhD** from **University of Allahabad**, Allahabad with qualitative & enriching experience in research & development.
  - ⇒ Proven skills in Mathematical Modeling, Low dimension geometry and their use in real life problems.
  - ⇒ Authored numerous significant literatures, published in acclaimed journals globally.
  - ⇒ An effective communicator with excellent analytical & problem solving abilities.
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## Work Experience (13 + Year) {Teaching Exp. 10.0 yrs + Research Exp. 3 Years}

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- ⇒ Presently working in **Rajkiya Engineering College, Azamgarh** (Affiliated to Dr.A.P.J. Abdul Kalam Technical University, Lucknow) as a Assistant Professor, in Department of Mathematics from December 08, 2017 to till date.
  - ⇒ Worked as Assistant Professor in **Galgotias College of Engineering & Technology**, Greater Noida (Affiliated to Dr.A.P.J. Abdul Kalam Technical University, Lucknow) as a Assistant Professor, in Department of Mathematics from August 25, 2011 to December 07, 2018.
  - ⇒ Worked as Assistant Professor in **Greater Noida Institute of Technology**, Greater Noida (Affiliated to U.P. Technical University, Lucknow), in Department of Mathematics from January 7, 2008 to August 24, 2011.
  - ⇒ Worked as a Assistant Professor in **Hi-Tech Institute of Engineering & Technology**, Ghaziabad (Affiliated to U.P. Technical University, Lucknow), in Department of Mathematics from February 19, 2007 to January 6, 2008.
  - ⇒ Worked as a Guest lecturer in Moti Lal Nehru National Institute of Technology, Allahabad in Department of Mathematics from August 2004 to December 2005.
  - ⇒ Worked as Coordinator of the B-Tech First Year, member of proctorial board, member of Anti-Ragging committee as well as also the member of examination cell and sports committee of the institute.
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## ACADEMIC CREDENTIALS

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2007	PhD (Mathematics)	<b>University of Allahabad, Allahabad</b> <i>Thesis:</i> 'Some Problems on Finsler Geometry and its applications'
2001	Master of Science (Mathematics), 88.33%, <i>Secured highest marks</i>	Udai Pratap Autonomous College, Varanasi
1999	Bachelor of Science (Mathematics), 74.38%	Udai Pratap Autonomous College, Varanasi

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## ACCOLADES

- ⇒ Secured highest marks in M. Sc. (Gold Medal)

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### CONFERENCES/SEMINARS

- ⇒ 7th conference of the International Academy of Physical Sciences, Allahabad, during December 21-23, 2004. The title of presented paper is **On a Finsler space.....condition**.
  - ⇒ 8th conference of the International Academy of Physical Sciences, Allahabad, December 29-31, 2005. The title of presented paper is **Some Properties of..... in a Finsler space**.
  - ⇒ Attend a National Conference on Differential Geometry and Topology in the perspective of Modern Trends (DGTPMT. -2006), Agra, during February 18-19,2006.
  - ⇒ 9th conference of the International Academy of Physical Sciences, Allahabad, February 3 - 5, 2007. The title of presented paper is **The Point Finsler Spaces and Their Physical Application**.
  - ⇒ International conference on Recent Trends in Mathematics organized by University of Allahabad, Allahabad July 10-12, 2015. The title of presented paper is **Physical application of Finsler Spaces in Thermodynamics**
  - ⇒ International Conference on Intelligent Communication, Control and Devices organized by Department of Electronics, Instrumentation and Control Engineering, University of Petroleum & Energy Studies, Dehradun, April 2-3, 2016. The title of presented paper is **Global Stability of Dynamic Model for Worm Propagation in Wireless Sensor Network**.
  - ⇒ 3rd International Conference on Computer Science organized by Lovely Faculty of Technology, Lovely Professional University, Punjab, April 08-09, 2016. The title of presented paper is **Stability of Three Prey One Predator Model in wireless Sensor Network**.
  - ⇒ Attend Seminar on **Interdisciplinary Approach of Science in Advancement of Technology: Art of Human Welfare** organized by Department of Applied Sciences and Humanities, Galgotias College of Engineering & Technology, Greater Noida, from 15/10/2015 to 16/10/2015
  - ⇒ Attend Seminar on **Recent Advancement in Electrical, Electronics and Automation Sector** organized by Department of Instrumentation and Control Engineering, Galgotias College of Engineering & Technology, Greater Noida from 01/09/2015 to 02/09/2015
  - ⇒ Attend a **International workshop on Useful Mathematical and Statistical Software Tools** for Engineering Applications organized by Department of Mathematics, Jaypee Institute of Information Technology, Noida from 08/09/2017 to 09/09/2017
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### RESEARCH PUBLICATIONS

**1. Rudra Pratp Ojha, Kavita Sharma, Pramod Kumar Srivastava, Goutam Sanyal (2018):**

An Epidemic Model for Security and Performance of Wireless Sensor Networks (**In Press**) In the International Journal of Advanced Intelligence Paradigms.

**2. Rudra Pratp Ojha, Pramod Kumar Srivastava, Goutam Sanyal (2018):** Pre-Vaccination and quarantine Approach for Defense against Worms Propagation of Malicious Objects in Wireless Sensor Networks (**In press**) in the International Journal of Information System Modeling and Design.

**3. Pramod Kumar Srivastava, Rudra Pratap Ojha\*, Kavita Sharma, Shashank Awasthi, Goutam Sanya. (2018)** Effect of Quarantine and Recovery on Infectious Nodes in Wireless Sensor Network in the International Journal of Sensors, Wireless Communications and Control  
**DOI : 10.2174/2210327908666180413154130.**

**4. Rudra Pratp Ojha, Pramod Kumar Srivastava, Goutam Sanyal (2018):** Security Model against worms attack in Wireless Sensor Network (**In Press**) In the International Journal of Advanced Intelligence Paradigms.

**5. Ojha, R. P., Srivastava, P. K., & Sanyal, G. (2018).** Mathematical Model for Wireless Sensor Network with Two Latent Periods. In Next-Generation Networks vol.638 (pp. 497-504). Springer, Singapore.

**6. Ojha, R. P., Srivastava, P. K., Awasthi, S., & Sanyal, G. (2017).** Global Stability of Dynamic Model for Worm Propagation in Wireless Sensor Network. In Proceeding of International Conference on Intelligent Communication, Control and Devices (pp. 695-704). Springer Singapore.

**7. P. K. srivastava & et all.** Gaussian tendencies in Data flow in communication links, accepted for the publication in the Proceedings of Springer under ASIC series (**2016**)

- 8. Singh, A., Awasthi, A. K., Singh, K., & Srivastava, P. K. (2017).** Modeling and Analysis of Worm Propagation in Wireless Sensor Networks. *Wireless Personal Communications*, Vol.97 Number 347 pp. 1-171-17.
- 9. Ojha, R. P., Sanyal, G., Srivastava, P. K., & Sharma, K. (2017).** Design and Analysis of Modified SIQRS Model for Performance Study of Wireless Sensor Network. *Scalable Computing: Practice and Experience*, 18(3), 229-242.
- 10. Shashank, Awasthi, Ojha Rudra Pratap, Srivastava Pramod Kumar, and Sanyal Goutam.(2016)** "Stability Analysis of Sitr Model and Non Linear Dynamics in Wireless Sensor Network." *Indian Journal of Science and Technology* 9, no. 28, 1-5
- 11. Srivastava, Arun Pratap, Rudra Pratap Ojha, Pramod Kumar Srivastava, and Saurabh Katiyar. (2016)**"Stability Analysis of Sitr Model for Worm Propagation in Wireless Sensor Network." *Indian Journal of Science and Technology* 9, no. 3, 1-5.
- 12. Srivastava P.K. Rajeev Kishore Pandey, Rudra Pratap Ojha and Pratap Kumar (2016).** Stability of Three Prey One Predator Model in Wireless Sensor Network. *International Journal of Control Theory and Applications*,9(46), 245-254.
- 13. Kumar D.Srivastava P.K. and Kumar Satish (2016).** Some Results in Group Structure on the Set of Graph. *International Journal of Control Theory and Applications*, 9(46), 215-221.
- 14. Yadav, A. K., Srivastava, P. K., & Yadav, L. (2015).** Hybrid Expansion Law for Dark Energy Dominated Universe in f (R, T) Gravity. *International Journal of Theoretical Physics*, 54(5), 1671-1679.
- 15.Ojha R.P., Srivastava P.K.Sanyal Goutam (2015).** Stability analysis of SITHR model and nonlinear dynamics in wireless sensor network. *International Journal of Applied Engineering Research*,10(94),12-19.
- 16. Srivastava P. K. & V.N.Jha (2014).** On a Two Dimensional Finsler Space whose Geodesics are Semi-Cubical Parabolas, *International Journal of Innovative Research in Science, Engineering and Technology*, 3(6), 13826-13837
- 17.P.K. Srivastava , V.N.Jha (2014).** On A Two Dimensional Finsler Space Whose Geodesics Are SemiEllipses and Pair of Straight Lines," *IOSR Journal of Mathematics (IOSR-JM)* pp. 43-51, (ISSN no:- 2278-3008) (indexed in google scholar)
- 18. P.K. Srivastava & V.N.Jha(2014).** Family of Catenaries as Geodesics in Two Dimensional Finsler Space in the International Journal of Latest Trends in Engineering, Science and Technology. Volume 1, Issue 7 pp.1-5
- 19.P. K. Srivastava and P. N. Pandey,** The family of astroids as geodesic in two dimensional finsler space, *Journal of International Academy of Physical Sciences*, Vol.9(2005) pp. 19-25(indexed in google scholar)

### **PUBLISHED BOOK**

1. Business Mathematics-I
2. Business Mathematics-II
3. Applied Mathematics-I (B.T.E. Uttar Pradesh)
4. Applied Mathematics-II (B.T.E. Uttar Pradesh)
5. Engineering Mathematics-I (KSOU)
6. Engineering Mathematics-II (KSOU)
7. Computer Based Optimization Techniques
8. Complex Analysis-I
9. Algebra
10. Operation Research
11. Basic Systems of Simulation and Modeling

### **Ph.D. GUIDANCE**

**1.**I am supervising one Ph.D. student, who have been enrolled in National Institute of Technology, Durgapur in 2015 on the topic entitled *Modeling and Performance Analysis of Wireless Sensor Network*.

**2.** I am supervising one Ph.D. student, who have been enrolled in Uttarakhand Technical University Uttarakhand in 2017 on the topic entitled *Energy Secured Epidemic Model for Wireless Sensor Network*

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### Faculty Development Programs

- ⇒ Attend Faculty Development Programme from 28/03/2016 to 01/04/2016 organized by JSS Academy of Technical Education, Noida (U.P)
- ⇒ Attend Faculty Development Programme from 27/06/2016 to 01/07/2016 organized by SC &SS, JNU, New Delhi.
- ⇒ Attend Faculty Development Programme from 17/07/2017 to 21/07/2016 organized by Department of Electronics & Communication Engineering, Galgotias College of engineering & Technology, Greater Noida.
- ⇒ Attend Faculty Development Programme from 25/09/2017 to 29/07/2017 Organized by Department of Computer Science & Engineering, Galgotias College of engineering & Technology, Greater Noida

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### Member of Conferences/Seminar

1. Member of organizing committee in the National Seminar on "Interdisciplinary Approach of Science in Advancement of Technology: Art of Human Welfare (IASAT-2015)" organized by Galgotias College of Engineering & Technology, Greater Noida, October 15-16,2015
2. Member of Technical committee in the International Conference on Communication and Computing System September 9–11 2016 Gurgaon, India of Taylor-Francis group

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### PERSONAL DETAILS

Date of Birth	8 <sup>th</sup> May 1979
Sex	Male
Father's Name	Mr. J. L. Srivastava
Nationality	Indian
Marital Status	Married
Languages Known	Hindi, English

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### REFERENCES

- (i) **Prof. P.N. Pandey** (M.Sc., D. Phil., D.Sc.) University of Allahabad, Allahabad.
- (ii) **Dr. M. K. Gupta** (M.Sc., D.Phil.) Department of Mathematics, Guru Ghasidas vishwavidyalay, Bilaspur.

### DECLARATION

I hereby declare that above information given by me is correct to best of my knowledge and I shall be responsible for any type of irregularity.

**Date:**

**(PRAMOD KUMAR SRIVASTAVA)**