

**Teacher's Profile for College Website, Motilal Nehru College (Eve.)
University of Delhi**

Name:	SUMIT KUMAR	Photograph 
Designation	Assistant Professor	
Contacts		
Address	311/4, Ashok Mohalla, Nangloi, Delhi - 110041	
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Residence		
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Web- Page		
Educational Qualifications		
Degree	Institution	Year
10 th	JNVKK Jind, Haryana	2005
12 th	JNVKK Jind, Haryana	2007
B.Sc.(H) Mathematics	ARSD college (DU)	2010
MSc. Mathematics	Kirori Mal College (DU)	2012
Ph.D.	Department of Mathematics (DU)	Pursuing
Administrative and Students related Assignments		
1. Invigilation 2. Evaluation 3. NAAC work etc.		
Career Profile		
Papers Taught		
Metric Space, Group Theory, Numerical Methods, Real Analysis, Differential Equations		
Areas of Interest/Specialization		
Non-linear Dynamics, Celestial Mechanics, Metric Space		
Research Articles		
<ol style="list-style-type: none"> 1. Bhavneet Kaur, Sumit Kumar, Shipra Chauhan and Dinesh Kumar (2020): Stability Analysis of Circular Robe's R3BP with Finite Straight Segment and Viscosity, Appl. and Appl. maths.: An Int. J. (AAM), Vol. 15, No. 2, pp. 1072--1090. 2. Bhavneet Kaur, Sumit Kumar (2021): Stability analysis in the perturbed CRR3BP finite straight segment model under the effect of viscosity, Astrophys. Space Sci. 366 (43) 3. Bhavneet Kaur, Sumit Kumar, and Rajiv Aggarwal (2022): Effects of viscosity, oblateness, and finite straight segment on the stability of the equilibrium points in the RR3BP, Appl. and Appl. maths.: An Int. J. (AAM), Vol. 17, No. 1, pp. 81--98. 		

4. Bhavneet Kaur, Sumit Kumar , and Rajiv Aggarwal (2022): Effects of Viscosity and Oblateness on the Perturbed Robe’s Problem with Non-Spherical Primaries. <i>Kinemat. Phys. Celest. Bodies</i> 38, 248--261. https://doi.org/10.3103/S088459132205004X
Books
Chapters in Books
1. A note on the Robe’s Restricted three-body Problem. Bhavneet Kaur, Shipra Chauhan, Sumit Kumar Application of Mathematical Tools in Social Sciences and Sciences Editor: Prof. (Dr.) Masroor Ahmad beg and Dr. G.S. Tuteja ISBN No. 978-81-950791-7-9, Page no.: 151-158(2021)
MOOCS
Seminars, Paper Presentations
1. Combined Effect of Viscosity and Finite Straight Segment in the Circular Robe’s Restricted Three-Body Problem: First National Conference on “Application of Mathematical Tools in Social Sciences and Sciences (Online)” organized by Zakir Husain Delhi College, University of Delhi from October 17--18, 2020. 2. Effects of viscosity in the perturbed CRR3BP with a non-spherical primary: 26 th International conference of IAPS (Online) on “Advances in Differential Equations & Mathematical modelling (IC-ADE-MM-2020)” jointly organized by School of Computational and integrative science, JNU, New Delhi-110067 & International Academy of Physical Science (IAPS) from December 18--20, 2020. 3. Stability Analysis of Circular Robe’s R3BP with Finite Straight Segment and Viscosity: IAU (International Astronomical Union) Symposium 364, Multi-scale (time & mass) dynamics of space objects, October 18--22, 2021. 4. Finite Straight segment model of Robe’s restricted three-body problem under the effect of viscosity: 27 th International conference of IAPS (Online) on “Recent Advances in Mathematics & Computational Optimization (RAMCO)” jointly organized by School of Computational and integrative science, JNU, New Delhi-110067 & International Academy of Physical Science (IAPS) from October 26--28, 2021.
Research Projects
Research Guidance
Awards and Distinctions
Others: