Sri Venkateswara College

(University of Delhi)
Benito Juarez Road, New Delhi - 110021
(Phone No. - 011-2411 2196 : Email - principal@svc.ac.in)

Print Date : 13-09-2026

1. Personal Profile

Title: **Prof.** First Name: **SWARN** Last Name: **SINGH**

Designation: **PROFESSOR** Mobile No. **----------**

Phone No. (Office) **----------** Phone No. (Residence): **----------**

Email: **ssingh@svc.ac.in** Webpage: **----------**

Facebook: **----------** Twitter: **----------**

LinkedIn: **https://www.linkedin.com/in/swarn-singh-7aa0006/** Instagram: **----------**

Youtube: **----------** Research Gate Link: **https://www.researchgate.net/profile/Swarn-Singh-3?ev=hdr_xprf**

Google Scholar Link:
https://scholar.google.com/citations?user=H4lLjpkAAAAJ&hl=en&authuser=1&oi=ao

Address: **----------**

2. Educational Qualifications

Degree/ Certification	Institution	Year
B.A.(Hons.) Mathematics	Ramjas College, University of Delhi	1994
M.A. (Mathematics)	Ramjas College, University of Delhi	1997
M.Phil.(Mathematics)	Department of Mathematics, University of Delhi	1999
Ph.D.(Mathematics)	Department of Mathematics, University of Delhi	2007

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	CONVENER	ADMISSIONS GRIEVANCE COMMITTEE Sri Venkateswara College	01.Jul.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	INTERNAL FINANCE COMMITTEE Sri Venkateswara College	01.Jul.2024 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF GRIEVANCE REDRESSAL CELL Sri Venkateswara College	30.Apr.2024 - Till date	

4. Other Profiles

Other Profile Name/ Description

5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status

6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction

7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month-Year)
JOURNAL PAPER (International)	Global Stability of novel coronavirus model using fractional derivative	Computational and Applied Mathematics	PREETY KUMARI, HARENDRA PAL SINGH and SWARN SINGH (Joint Author)	https://link.springer.com/article/10.1007/s40314-023-02413-8	October 2023
JOURNAL PAPER (International)	Cubic B-spline method for non-linear sine-Gordon equation	Computational and Applied Mathematics	SURUCHI SINGH, SWARN SINGH and ANU AGGARWAL (Corresponding Author)	https://doi.org/10.1007/s40314-022-02092-x	November 2022
JOURNAL PAPER (International)	Dynamical Analysis of COVID-19 Model Incorporating Environmental Factors	Iran Journal of Science and Technology Trans A:Science	PREETY KUMARI, HARENDRA PAL SINGH and SWARN SINGH (Joint Author)	https://link.springer.com/article/10.1007/s40995-022-01372-9	November 2022

JOURNAL PAPER (International)	A new spline technique for the time fractional diffusion-wave equation	MethodsX	SURUCHI SINGH, SWARN SINGH and ANU AGGARWAL (Corresponding Author)	https://doi.org/10.1016/j.mex.2023.102007	January 2023
JOURNAL PAPER (International)	High order compact cubic B-spline collocation method for the solution of Fisher's Equation	International Journal of Applied and Computational Mathematics	SURUCHI SINGH, SWARN SINGH and SANDEEP BHATT (Corresponding Author)	https://link.springer.com/article/10.1007/s40819-021-01157-5	October 2021
JOURNAL PAPER (International)	Modeling COVID-19 and heart disease through Caputo fractional derivative: memory trace analysis	Modeling Earth Systems and Environment /Springer	Preety Kumari, Harendra Pal Singh, Swarn Singh (Joint Author)	https://doi.org/10.1007/s40808-024-02133-w	November 2024
JOURNAL PAPER (International)	Mathematical model for understanding the relationship between diabetes and novel coronavirus	Gene/Elsevier	Preety Kumari, Harendra Pal Singh, Swarn Singh (Joint Author)	https://doi.org/10.1016/j.gene.2024.148970	January 2025
JOURNAL PAPER (International)	A new patch up technique for elliptic partial differential equation with irregularities	Journal of Computational and Applied Mathematics/Elsevier	SWARN SINGH, SURUCHI SINGH and ZHILIN LI (First Author)	http://dx.doi.org/10.1016/j.cam.2021.113975	June 2022
JOURNAL PAPER (International)	A High Order Compact Scheme for a Thermal Wave Model of Bio- Heat Transfer with an Interface	Numerical Mathematics: Theory Methods and Applications/Global Science Press	SURUCHI SINGH, SWARN SINGH and ZHILIN LI (Joint Author)	https://doc.global-sci.org/uploads/Issue/NMTMA/v11n2/112-321_short.pdf?1603963242	May 2018

JOURNAL PAPER (International)	A fourth order compact scheme for transport equation with discontinuous coefficients	Numerical Mathematics: Theory Methods and Applications	SURUCHI SINGH, KAZUFUMI ITO, SWARN SINGH and ZHILIN LI (Joint Author)		November 2018

8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number

9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	SPEAKER	College	Lecture	22.Oct.2024 - 22.Oct.2024
2025	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	SPEAKER	College	Lecture	29.Jan.2025 - 29.Jan.2025

Prof. SWARN SINGH