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: **Dr.** First Name: **SUDHAKAR** Last Name: **YADAV**

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

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

Email: **sudhakarbhu10@gmail.com** Webpage: **----------**

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

LinkedIn: ---------- Instagram: ----------

Youtube: ---------- Research Gate Link: ----------

Google Scholar Link: ----------

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

2. Educational Qualifications

Degree/ Certification	Institution	Year
B.Sc(H) Mathematics	Banaras Hindu University, Varanasi	2010
M.Sc Mathematics	IIT Delhi	2012
PhD	Delhi Technological University, Delhi	2022

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ADMISSIONS GRIEVANCE COMMITTEE Sri Venkateswara College, University of Delhi	01.Jul.2024 - 30.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NATIONAL SERVICE SCHEME (NSS) Sri Venkateswara College, University of Delhi	01.Jul.2024 - 30.Jun.2025	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	SRIVIPRA COMMITTEE Sri Venkateswara College, University of Delhi	24.May.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	DEPARTMENT OF MATHEMATICS Sri Venkateswara College, University of Delhi	01.Jul.2024 - 30.Jun.2025	Time Table Committee, Mathematics Department, SV College
ADMINISTRATIVE ASSIGNMENTS	MEMBER	DEPARTMENT OF MATHEMATICS Sri Venkateswara College, University of Delhi	01.Jul.2024 - 30.Jun.2025	Admission Committee, Mathematics Department, SV College

4. Other Profiles

Other Profile Name/ Description
UG/ PG RESEARCH PROJECTS/ INTERNSHIPS SRIVIPRA 2024-25

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)	Optimal Control Strategies to Cope with Unemployment During the Covid-19 Pandemic	Iranian Journal of Science Springer	Charu Arora , Sudhakar Yadav (Joint Author)	https://doi.org/10.1007/s40995-023-01469-9	March 2023
JOURNAL PAPER (International)	Analyzing unemployment dynamics in the context of the COVID-19 pandemic: A mathematical modeling approach	International Journal of Modern Physics C	Charu Arora , Sudhakar Yadav (Joint Author)	https://doi.org/10.1142/S0129183125501554	July 2025

JOURNAL PAPER (International)	Study of Prey–Predator System with Additional Food and Effective Pest Control Techniques in Agriculture	Iranian Journal of Science Springer	Sudhakar Yadav Vivek Kumar (First Author)	https://doi.org/10.1007/s40995-023-01558-9	December 2023
JOURNAL PAPER (International)	A prey–predator model approach to increase the production of crops: Mathematical modeling and qualitative analysis	International Journal of Biomathematics (IJB)	Sudhakar Yadav, Vivek Kumar (First Author)	https://doi.org/10.1142/S1793524522500425	March 2022
JOURNAL PAPER (International)	A prey–predator model and control of a nematodes pest using control in banana: Mathematical modeling and qualitative analysis	International Journal of Biomathematics (IJB)	Sudhakar Yadav Vivek Kumar (First Author)	10.1142/s1793524521500893	September 2021
CONFERENCE PAPER/ PROCEEDINGS (International)	Mathematical Analysis of a Prey-Predator Model in Presence of Two Controls	Advances in Intelligent Systems and Computing, Springer	SUDHAKAR YADAV, VIVEK KUMAR (First Author)	https://doi.org/10.1007/978-981-19-9906-2_15	May 2023
CONFERENCE PAPER/ PROCEEDINGS (International)	Study of a prey–predator model with preventing crop pest using natural enemies and control	AIP Conf. Proc	Sudhakar Yadav, Vivek Kumar (First Author)	https://doi.org/10.1063/5.0045745	March 2021

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
2020	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	One week National level online workshop on Techno- Pedagogy and Research Methodology	17.Jul.2020 - 23.Jul.2020
2020	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	International	Three Days International Online Faculty Development Programme on “Mathematical Analysis and Modelling”	23.Jul.2020 - 25.Jul.2020
2020	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	International	3-days International FDP on "Computational Mathematics for Engineers and Researchers"	10.Jul.2020 - 12.Jul.2020
2020	SHORT TERM COURSE	PARTICIPANT	National	Five days online Short Term Course on “Essential Tools in Optimization”	25.Jun.2020 - 29.Jun.2020
2020	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PAPER PRESENTER	International	“International Conference on Computational Sciences Modelling, Computing and Soft Computing	10.Sep.2020 - 12.Sep.2020
2020	NATIONAL/ INTERNATIONAL FELLOWSHIPS (IOE, FRSC, etc.) ATTENDED	PAPER PRESENTER	International	3rd INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING, APPLIED ANALYSIS AND COMPUTATION-2020	07.Aug.2020 - 09.Aug.2020
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	Faculty Development Programme on Innovations in Machine Learning, AI, Data Science and Modelling	16.Dec.2024 - 23.Dec.2024
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	Online Faculty Development Programme on Research in Mathematics: Present Trends and Future Prospects	18.Nov.2024 - 22.Nov.2024
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	The 5-Day Faculty Development Program on“Exploring Emerging Frontiers in Generative AI and Quantum Computing	23.Sep.2024 - 27.Sep.2024
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	Mathematical Modeling and Simulation Using Python – Level 1	02.Jun.2024 - 06.Dec.2024
2025	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	Workshop on Theoretical and Computational Dynamics of Biological Systems	09.Apr.2025 - 11.Apr.2025