Sri Venkateswara College

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

Print Date : 24-11-2026

1. Personal Profile



Title: **Dr.** First Name: **LAKSHAY** Last Name: **MALHOTRA**

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

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

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

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

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

Youtube: **----------** Research Gate Link: **https://www.researchgate.net/profile/Lakshay-Malhotra-2?ev=hdr_xprf**

Google Scholar Link: **https://scholar.google.com/citations?user=ALdJVHYAAAAJ&hl=en&oi=sra**

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

2. Educational Qualifications

Degree/ Certification	Institution	Year
B.Sc (H) Biochemistry	Sri Venkateswara College, University of Delhi, India	2017
M.Sc. Medical Biotechnology	All India Institute of Medical Sciences (AIIMS), New Delhi	2019
Ph.D.	All India Institute of Medical Sciences (AIIMS), New Delhi	2023

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	LIBRARY COMMITTEE Sri Venkateswara College	01.Jul.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PLACEMENT CELL Sri Venkateswara College	30.Jul.2024 - 01.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	DEPARTMENT CO-COORDINATOR:IQAC	DEPARTMENT OF BIOCHEMISTRY Sri Venkateswara College	18.Jul.2024 - 30.Jun.2025	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS Sri Venkateswara College	27.Jan.2025 - 30.Jun.2025	Member of “SVC ???????: ???????? ?? ??????????? ?? team
ADMINISTRATIVE ASSIGNMENTS	CO-COORDINATOR	NAAC CRITERION 2 Sri Venkateswara College	08.Jul.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS Sri Venkateswara College	08.Oct.2024 - 30.Jun.2025	DATA (Data Acquisition team for Alumni)
ADMINISTRATIVE ASSIGNMENTS	CONVENER	BIOLOGICAL SCIENCES - CHRYSALIS Sri Venkateswara College	01.Jul.2024 - 30.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	LIBRARY COMMITTEE Sri Venkateswara College	01.Jul.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	TEACHER-IN-CHARGE	DEPARTMENT OF BIOCHEMISTRY Sri Venkateswara College	01.Jun.2025 - 31.May.2026	
ADMINISTRATIVE ASSIGNMENTS	DEPARTMENT CORDINATOR:IQAC	DEPARTMENT OF BIOCHEMISTRY Sri Venkateswara College	01.Jun.2025 - 31.May.2026	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	GURUKUL Sri Venkateswara College	11.Aug.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	NAAC CRITERION 2 Sri Venkateswara College	27.Jul.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	RESEARCH COMMITTEE OF THE COLLEGE (RCC) Sri Venkateswara College	11.Aug.2025 - 31.May.2026	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	SUBJECT RESEARCH COMMITTEE Sri Venkateswara College	11.Aug.2025 - 31.May.2026	
CAREER PROFILE	MEMBER	DEPARTMENT MODERATION COMMITTEE (DMC) Sri Venkateswara College	01.Jul.2025 - 31.May.2026	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	SVC PRACTICAL EXAMINATION Sri Venkateswara College	01.Jun.2025 - 31.May.2026	

4. Other Profiles

Other Profile Name/ Description

AWARDS AND DISTINCTIONS

1. Dr. S.V. Talekar Medal-2023 (Gold Medal) for Best Postgraduate (Ph.D.) from the Department of Biophysics, All India Institute of Medical Sciences (AIIMS), New Delhi

2. DBT - Senior Research Fellowship (2021-2023)

3. DBT - Junior Research Fellowship (2019-2021)

4. CSIR JRF and LS (July 2018)

5. CSIR JRF and LS (Jan 2018)

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
JOURNAL PAPER (International)	Curcumin rescue p53Y220C in BxPC-3 pancreatic adenocarcinomas cell line: Evidence-based on computational, biophysical, and in vivo studies	Biochimica et Biophysica Acta (BBA) - General Subjects	Lakshay Malhotra, Harsh K.V. Goyal, Sunita Jhuria, Kapil Dev, Saroj Kumar, Manoj Kumar, Punit Kaur, Abdul S. Ethayathulla (First Author)	https://www.sciencedirect.com/science/article/pii/S0167488922

JOURNAL PAPER (International)	Heteroarene-fused anthraquinone derivatives as potential modulators for human aurora kinase B	Biochimie	Mandeep Singh, Lakshay Malhotra, Md Anzarul Haque, Mukesh Kumar, Alexander Tikhomirov, Valeria Litvinova, Alexander M. Korolev, A.S. Ethayathulla, Uddipan Das, Andrey E. Shchekotikhin, Punit Kaur (Joint Author)	https://www.sciencedirect.com/science/article/abs/pii/S0300908
JOURNAL PAPER (International)	Genistein: A novel inhibitor of IL-6/IL-6R interface of the Interleukin-6–mediated STAT3 dependent pathway of carcinogenesis	Journal of Molecular Structure	Saurabh Sharma, Lakshay Malhotra, Prakarsh Yadav, Vandana Mishra, Radhey Shyam Sharma, Ethayathulla Abdul Samath (Joint Author)	https://www.sciencedirect.com/science/article/abs/pii/S0022286
JOURNAL PAPER (International)	Comprehensive omics studies of p53 mutants in human cancer	Briefings in Functional Genomics	Lakshay Malhotra , Alankrita Singh , Punit Kaur , Abdul S Ethayathulla (First Author)	https://academic.oup.com/bfg/article/22/2/97/6637505
JOURNAL PAPER (International)	Mechanism of apoptosis activation by Curcumin rescued mutant p53Y220C in human pancreatic cancer	Biochimica et Biophysica Acta (BBA) - Molecular Cell Research	Lakshay Malhotra, Saurabh Sharma, Gururao Hariprasad, Renu Dhingra, Vandana Mishra, Radhey S. Sharma, Punit Kaur, Abdul S. Ethayathulla (First Author)	https://www.sciencedirect.com/science/article/pii/S0167488922

JOURNAL PAPER (International)	Putative interactions between transthyretin and endosulfan II and its relevance in breast cancer	International Journal of Biological Macromolecules	Saurabh Sharma, Lakshay Malhotra, Paromita Mukherjee, Navneet Kaur, Thammineni Krishanlata, Chittur V. Srikanth, Vandana Mishra, Basu Dev Banerjee, Abdul Samath Ethayathulla, Radhey Shyam Sharma (Joint Author)	https://www.sciencedirect.com/science/article/abs/pii/S0141813
JOURNAL PAPER (International)	Ubiquitin specific peptidase 37 and PCNA interaction promotes osteosarcoma pathogenesis by modulating replication fork progression	Journal of Translational Medicine	Ravi Chauhan, Ashna Gupta, Lakshay Malhotra, Ajaz A. Bhat, Raj K. Pandita, Tariq Masoodi, et al. (Joint Author)	https://link.springer.com/article/10.1186/s12967-023-04126-2
JOURNAL PAPER (International)	Flavonoids as potential reactivators of structural mutation p53Y220C by computational and cell-based studies	Journal of Biomolecular Structure and Dynamics	Lakshay Malhotra, Punit Kaur & Abdul Samath Ethayathulla (First Author)	https://www.tandfonline.com/doi/abs/10.1080/07391102.2023.22
JOURNAL PAPER (International)	Comprehensive amino acid composition analysis of seed storage proteins of cereals and legumes: identification and understanding of intrinsically disordered and allergenic peptides	Journal of Biomolecular Structure and Dynamics	Pratibha Sharma, Lakshay Malhotra & Rajinder K. Dhamija (Joint Author)	https://www.tandfonline.com/doi/abs/10.1080/07391102.2023.23

JOURNAL PAPER (International)	Bergenin inhibits growth of human cervical cancer cells by decreasing Galectin-3 and MMP-9 expression	Scientific Reports	Ravi Chauhan, Lakshay Malhotra, Ashna Gupta, Gunjan Dagar, Mohini Mendiratta, Tariq Masoodi, Sheema Hashem, Sara Al Marzooqi, Dayasagar Das, Shahab Uddin, Abdul Samath Ethayathulla, et al. (Joint Author)	https://www.nature.com/articles/s41598-024-64781-3
JOURNAL PAPER (International)	Elevated Serum sFlt-1 In Preeclamptic Mothers Activates GRP78 In Placenta	African Journal of Biomedical Research	Sankat Mochan, Chandan Kumar, Rinke Choudhary , Vishnu Swarup, Lakshay Malhotra, Mohd Anas Khan, Pallavi Arora, Renu Dhingra (Joint Author)	https://africanjournalofbiomedicalresearch.com/index.php/AJBR/
JOURNAL PAPER (International)	Phenotypical mapping of TP53 unique missense mutations spectrum in human cancers	Journal of Biomolecular Structure and Dynamics	Lakshay Malhotra, Alankrita Singh, Punit Kaur & Abdul S. Ethayathulla (First Author)	https://www.tandfonline.com/doi/abs/10.1080/07391102.2024.24

JOURNAL PAPER (International)	The R337C mutation in the p53 oligomerization domain affects the regulatory domain and its ability to bind response elements: Evidence based on structural and biophysical studies	Archives of Biochemistry and Biophysics	Alankrita Singh, Lakshay Malhotra, Abhay Mishra, Simran Kundral, Pawan Kumar Tiwari, Saroj Kumar, Hariprasad Gururao, Punit Kaur, Abdul Samath Ethayathulla (Joint Author)	https://www.sciencedirect.com/science/article/abs/pii/S0003986
JOURNAL PAPER (International)	Unraveling the unique amyloid-like aggregation behavior of the tumor suppressor p53 mutants in human cancers	International Journal of Biological Macromolecules	Nisha Manav, Pratibha Sharma, Sankat Mochan, Lakshay Malhotra (First Author, Corresponding Author)	https://www.sciencedirect.com/science/article/abs/pii/S014181
JOURNAL PAPER (International)	Biophysical and molecular characterization of HuR inhibitors, CMLD-2 and Dihydrotanshinone I (DHTS), in Triple Negative Breast Cancer (TNBC)	Internation Journal of Biological Macromolecules	Arundhathi J.R. Dev, Lakshay Malhotra, Akanksha Kashyap, Sheikh Mohammad Umar, Meetu Rathee, Swarnava Samanta, Rahul Kharkwal, Debarka Sengupta, Chandra Prakash Prasad (Corresponding Author)	https://www.sciencedirect.com/science/article/pii/S0141813025

JOURNAL PAPER (International)	Targeting ubiquitin-specific protease 14 reduces metastatic potential and metabolic activity in cervical cancer via direct modulation of monocarboxylate transporter-4	Journal of Translational Medicine	Ravi Chauhan, Gunjan Dagar, Lakshay Malhotra, et al. (Joint Author)	https://doi.org/10.1186/s12967-025-07442-x
JOURNAL PAPER (International)	Hypoxia-Induced Metabolic and Apoptotic Reprogramming Enhances Immunomodulation in Wharton's Jelly Mesenchymal Stem Cells	iScience	Mohini Mendiratta, Meenakshi Mendiratta, Sujata Mohanty, Hridayesh Prakash, Lakshay Malhotra et al. (Joint Author)	10.1016/j.isci.2026.115363
JOURNAL PAPER (International)	IGFBP3 repression driven by inflammation links air pollution to placental and developmental defects	EMBO Molecular Medicine	Sunil Singh; Isha Goel; Anubhuti Rana; Javed. A Quadri; Asit R. Mridha; Lakshay Malhotra et al. (Joint Author)	10.1038/s44321-026-00403-x
JOURNAL PAPER (International)	The multifaceted nature of mollusk shell proteins: a complex interplayof protein sequence, function, and biomineralization	Journal of Biomolecular Structure and Dynamics	Pratibha Sharma, Lakshay Malhotra, Rajinder K. Dhamija, Alagiri Srinivasan (Joint Author)	https://doi.org/10.1080/07391102.2026.2693643
JOURNAL PAPER (International)	Metronomic Chemotherapy in Ovarian Cancer: Current Scenario and AI-Integrated Future Strategies	Cancer Reports	Ravi Chauhan, Suraja Kumar Das, Lakshay Malhotra et al. (Joint Author)	https://doi.org/10.1002/cnr2.70620Digital Object Identifier (DOI)

JOURNAL PAPER (International)	Mapping Mutations and Signaling Network Interactions to Guide Precision Therapy in Gallbladder Cancer	Cancer Reports	Nisha Manav, Akanksha Kashyap, Lakshay Malhotra, Chethan Rajegowda, Chandra Prakash Prasad (Joint Author)	https://doi.org/10.1002/cnr2.70699
JOURNAL PAPER (International)	Immunogenicity and structure of a stabilized HIV-1 clade C Env from a pediatric elite neutralizer in complex with an autologous bnAb	Frontiers in immunology	Swarandeep Singh Swarandeep Singh, Sanjeev Kumar, Arnab Chatterjee, Lakshay Malhotra, Muneeb Pervez, Abdul Rahman, Ifrah Andrabi, Bapan Mondal, Shaifali Sharma, Harsh Bhakhri et al (Joint Author)	https://doi.org/10.3389/fimmu.2026.1919627
CONFERENCE PAPER/ PROCEEDINGS (International)	Ubiquitin Specific Peptidase 37promotes Osteosarcoma oncogenesis by interacting with PCNA and impacting constitutive replication fork movement.	Cancer Research	Ravi Chauhan; Lakshay Malhotra; Ashna Gupta; Ajaz Bhat; Gunjan Dagar; Tariq Masoodi; Muzafar A. Macha; Ethayathulla Abdul Samath et al. (Joint Author)	https://aacrjournals.org/cancerres/article/83/7_Supplement/335/ Specific-Peptidase
CONFERENCE PAPER/ PROCEEDINGS (International)	Decoding the interplay of deubiquitinating enzymes (DUBs) in metastasis and chemoresistance of gynaecological cancers	ESMO open	R. Chauhan ? A. Gupta? G. Dagar? L. Malhotra? S. De? E.A. Samath? N. Singh? M. Singh (Joint Author)	https://www.esmoopen.com/article/S2059-7029(24)00325-9/fullt

CONFERENCE PAPER/ PROCEEDINGS (International)	Unraveling the oncogenic network of USP37 and USP14 in gynecological cancers: Decrypting the molecular landscape of chemoresistance	Cancer Research	Ravi Chauhan; Ashna Gupta; Gunjan Dagar; Lakshay Malhotra; Ekta Rai; Muzafar A Macha; Ajaz A Bhat; Ethayathulla A Samath; Mayank Singh (Joint Author)	https://aacrjournals.org/cancerres/article/84/6_Supplement/4639
CONFERENCE PAPER/ PROCEEDINGS (International)	Bergenin inhibits growth of human cervical cancer cells by decreasing galectin-3 and MMP-9 expression	Cancer Research	Mayank Singh; Ravi Chauhan; Lakshay Malhotra; Ashna Gupta; Gunjan Dagar; Dayasagar Das; Shahab Uddin; Ethayathulla Abdul Samath et al. (Joint Author)	https://aacrjournals.org/cancerres/article/84/6_Supplement/1830
CONFERENCE PAPER/ PROCEEDINGS (International)	Exploring the therapeutic potential of USP14 in cervical cancer: mechanisms of oncogenesis and metabolic regulation	Cancer Research	Ravi Chauhan; Lakshay Malhotra; Ashna Gupta; Gunjan Dagar; Harshul Kapoor; Sandeep R. Mathur; Ethayathulla Abdul Samath; Mayank Singh (Joint Author)	https://aacrjournals.org/cancerres/article/85/8_Supplement_1/55
CONFERENCE PAPER/ PROCEEDINGS (International)	Ubiquitin specific peptidase 37 facilitate prostate cancer oncogenesis by regulation replication stress	Cancer Research	Gunjan Dagar; Asha Khuswaha; Lakshay Malhotra; Ashna Gupta; Ajaz Bhat; Ammira S Al-Shabeeb Akil; Atul Batra; Seema Khausal; Mayank Singh (Joint Author)	https://doi.org/10.1158/1538-7445.AM2025-1429

CONFERENCE PAPER/ PROCEEDINGS (International)	Ubiquitin specific peptidase 14 (USP-14) mediate oncogenesis in Cervical cancer by interacting and modulating activity of Monocarboxylate transporter 4 (MCT-4)	Cancer Research	Ravi Chauhan; Lakshay Malhotra; Ashna Gupta; Gunjan Dagar; Ethayathulla Abdul Samath; Mayank Singh (Joint Author)	https://doi.org/10.1158/1538-7445.FCS2024-P40
CONFERENCE PAPER/ PROCEEDINGS (International)	Development of a novel economical anti-BCMA antibody for targeted therapeutic intervention in multiple myeloma	Journal of Immunotherapy for Cancer	Ashna Gupta, Gunjan Dagar, Lakshay Malhotra, Ravi Chauhan, Kalpana Luthra, Mayank Singh (Joint Author)	https://jitc.bmj.com/content/13/Suppl_2/A1335?utm_source=rese
CONFERENCE PAPER/ PROCEEDINGS (International)	Development of a novel anti BCMA (B cell Maturation Antigen) 9C4 academic CAR as a low cost adaptive cellular therapy candidate in multiple myeloma 2630	The Journal of Immunology	Mayank Singh , Ashna Gupta , Gunjan Dagar , Lakshay Malhotra , Kalpana Luthra , Ranjit Kumar Sahoo (Joint Author)	https://academic.oup.com/jimmunol/article/214/Supplement_1/vk
CONFERENCE PAPER/ PROCEEDINGS (International)	Ubiquitin specific peptidase 37 (USP37) facilitate Replication stress tolerance to promote prostate cancer oncogenesis.	Cancer Research	Suraja Kumar Das; Lakshay Malhotra; Gunjan Dagar; Teena Haritwal; Atul Batra; Ajaz A. Bhat; Mayank Singh (Joint Author)	https://aacrjournals.org/cancerres/article/86/7_Supplement/589/ specific-peptidase-37-USP37

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

2023	FACULTY INDUCTION PROGRAM ATTENDED	PARTICIPANT	National	4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education”	23.Apr.2023 - 22.May.2023
2025	REFRESHER COURSE ATTENDED	PARTICIPANT	National	Online Refresher Course (Multidisciplinary/Interdisciplinary Course) on the theme “Mental Health & Wellbeing in Higher Education Institutions: A Step Towards Viksit Bharat”	10.Mar.2025 - 24.Mar.2025
2025	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	One-Week Online National Faculty Development Program on "CANCER AWARENESS FOR COMMUNITY ENGAGEMENT @NEP 2020"	11.Feb.2025 - 18.Feb.2025

Dr. LAKSHAY MALHOTRA