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: **LAISHRAM SAYA** Last Name: **DEVI**

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

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

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

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

Google Scholar Link: **https://scholar.google.com/citations?user=9yR02u8AAAAJ&hl=en**

Address: **DEPARTMENT OF CHEMISTRY, S. V. COLLEGE, UNIVERSITY OF DELHI, BENITO JUAREZ ROAD, NEW DELHI - 110021.**

2. Educational Qualifications

Degree/ Certification	Institution	Year
B.sc (Hons)	Miranda House, University of Delhi	2003
M.Sc. Chemistry	Miranda House, University of Delhi	2005
M.Phil	University of Delhi	2007
Ph.D	Manipur University	2023

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ADMISSIONS GRIEVANCE COMMITTEE Sri venkateswara college	29.Sep.2021 - 10.Dec.2023	
CAREER PROFILE	CONVENER	ANNUAL MAGAZINE COMMITTEE Sri venkateswara college	01.Jul.2025 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	ADMISSIONS COMMITTEE Sri venkateswara college	05.Feb.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS Sri venkateswara college, Member of Admission Grievance sub-committee and online HELPDESK for redressal of grievances related to OBC, SC, ST candidates.	29.Sep.2021 - 05.Feb.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	OTHERS Part of Extra-curricular admission (ECA) committee, UNIVERSITY OF DELHI.	10.Jul.2023 - 10.Aug.2023	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	CHEMISTRY - RASAGYA Sri venkateswara college	01.Jul.2024 - 01.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	LIFE SCIENCES - ADIBHUTA Sri venkateswara college	01.Jul.2023 - 01.Jun.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	LIFE SCIENCES - ADIBHUTA Sri venkateswara college	01.Jul.2024 - 01.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	OTHERS Sri venkateswara college, Convener, North East Students Association(NESA)	01.Jul.2025 - Till date	
ADMINISTRATIVE ASSIGNMENTS	COORDINATOR	IQAC Sri venkateswara college, CHEMISTRY DEPARTMENT COORDINATOR	03.Oct.2025 - 03.Oct.2025	

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
2025	SVPG-2502: Eco-Engineered Biopolymer-Integrated Nanocatalysts for Smart and Selective Remediation of Toxic Pollutants from Environmental Matrices	Sri venkateswara college	6 months	20, 000 Rs.	10.May.2025
2026	SVPG:2640 : Biopolymer-Assisted Nanohybrid Platforms for Sustainable Wastewater Remediation'.	Sri venkateswara college	6 months	18, 000 Rs.	03.Jul.2026

7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link

JOURNAL PAPER (International)	Natural Polysaccharide Based Graphene Oxide Nanocomposites for Removal of Dyes from Wastewater: A Review	Journal of Chemical and Engineering Data (ACS)	Laishram Saya, Drashya Gautam, Vipin Malik, W. Rameshwor Singh, Sunita Hooda (First Author)	https://doi.org/10.1021/acs.jced.0c00743
JOURNAL PAPER (International)	Effect of Biopolymer addition on the Dielectric Properties of modified GO Functionalized by added Magnetite nanoparticles. Journal of Molecular Structure	Journal of Molecular Structure	Manisha Verma, Sanjeeta Rani, Sugam Anugrah, Arushi Singh, Laishram Saya, Sunita Hooda (Corresponding Author)	https://doi.org/10.1016/j.molstruc.2024.141014
JOURNAL PAPER (International)	. Assessment of multifunctional activity of graphene oxide and guar gum-based nanomaterials against Aees aegypti. Chemosphere	Chemosphere (Elsevier)	Laishram Saya, Roopa Rani Samal, Manisha Verma, , Sarita Kumar, W. Rameshwor Singh, Sunita Hooda (First Author)	https://doi.org/10.1016/j.chemosphere.2024.143906.
JOURNAL PAPER (International)	Bioanalytical Method: Determining pesticide residues in tomatoes and mushrooms by a bioactive membrane-based sensor, enzyme inhibition, and UV-Vis Spectrophotometry.	Analytical Methods in Environmental Chemistry Journal.	Sunita Hooda, Laishram Saya, Drashya Gautam, Geetu Gambhir (Joint Author)	https://doi.org/10.24200/amecj.v7.i03.255
JOURNAL PAPER (International)	Enhanced piezocatalytic degradation of cationic dyes using graphene oxide and magnetic beads Nanomaterials: Synthesis, Characterization, and mechanistic insights.	Chemical Engineering Journal	Drashya Gautam, Laishram Saya, Geetu Gambhir, & Sunita Hooda. (Joint Author)	https://doi.org/10.1016/j.cej.2024.154987

JOURNAL PAPER (International)	Recent advances in sensing toxic nerve agents through DMMP model simulant using diverse nanomaterials-based chemical sensors.	Talanta	Laishram Saya, Bipasha Arya, Rastogi, Manisha Verma, Sanjeeta Rani, P.K. Sahu, & Sunita Hooda (First Author, Corresponding Author)	https://doi.org/10.1016/j.talanta.2024.125785
JOURNAL PAPER (International)	Graphene-based nanomaterials as potential candidates for environmental mitigation of pesticides.	Talanta	6.Tarusha Gupta, Madhav Dutt, Bikaramjeet Kaur, Srishthi Punia, Suhani Sharma, S., P.K. Sahu, & Laishram Saya, L (Corresponding Author)	https://doi.org/10.1016/j.talanta.2024.125748
JOURNAL PAPER (International)	Unravelling groundwater contamination and health-related implications in semi-arid and cold regions of India.	Journal of Contaminant Hydrology,	Ratandeep, Akshat Dharmani, Manisha Verma, Sanjeeta Rani, Anita Narang, M. Ramananda Singh, Laishram Saya, & Sunita Hooda (Corresponding Author)	https://doi.org/10.1016/j.jconhyd.2024.104303
JOURNAL PAPER (International)	Design and performance assessment of novel Fe3O4 decorated nanoblend of guar gum/graphene oxide flakes and CuO for mitigation of fluoroquinolones from wastewater, 2024, 576, 104577, Journal of Water Process Engineering.	Journal of Water Process Engineering	Laishram Saya, W. Rameshwor Singh, Sunita Hooda (First Author)	https://doi.org/10.1016/j.jwpe.2023.104577

JOURNAL PAPER (International)	Novel multicomponent functionalized biopolymers with enhanced thermal and dielectric properties,	Material Research Express	Sanjeeta Rani, Syed Kashif Ali, Pawan Kumar, Kunwar Sugam Anugrah, Laishram Saya, Geetu Gambhir, Drashya Gautam, Sunita Hooda, Manisha Verma, (Joint Author)	https://doi.org/10.14314/polimery.2023.7.4
JOURNAL PAPER (International)	Adsorptive removal of ciprofloxacin from aqueous medium by magnetic guar gum grafted graphene oxide nano composite	Journal of Environmental Chemical Engineering,	Laishram Saya , W. Rameshwor Singh , Sunita Hooda (First Author)	https://doi.org/10.1016/j.jece.2023.110766
JOURNAL PAPER (International)	Hydrothermally Fabricated Bio-nanocomposite of Guar gum as a Promising Adsorbent for Reactive Green 19 Dye from Wastewater, International Journal Innovative Research in Technology	International Journal Innovative Research in Technology	Laishram Saya, Sunita Hooda, W. Rameshwar Singh., (First Author)	https://ijirt.org/article?manuscript=157412
JOURNAL PAPER (International)	Imidazo [1, 2] Coumarin analogues: Synthesis and antioxidant properties.	Journal of Molecular Chemistry	Pooja,* Laishram Saya Devi, Aanshi Jain, Ashi Tokas, Anshu Sareen, Ankur Gupta (Joint Author)	https://orcid.org/0000-0001-8816-9318
JOURNAL PAPER (International)	. A comprehensive review on recent advances toward sequestration of levofloxacin antibiotic from wastewater	Science of Total Environment	Laishram Saya , Vipin Malik , Drashya Gautam , Geetu Gambhir , Balendra , W. Rameshwor Singh , Sunita Hooda (First Author)	https://doi.org/10.1016/j.scitotenv.2021.152529

JOURNAL PAPER (International)	Review on Adsorptive Removal of Metal Ions and Dyes from Wastewater Using Tamarind-based Bio Composites.	Polymer Bulletin	Vipin Malik, Laishram Saya, Drashya Gautam, Shallu Sachdeva, Neelu Dheer, Dinesh Kumar Arya, Geetu Gambhir & Sunita Hooda (Joint Author)	https://doi.org/10.1007/s00289-021-03991-5
JOURNAL PAPER (International)	A Comprehensive Review on Therapeutic Properties of Mustard Oil and Olive Oil.	Chemical Biology Letters	Tarisha Gupta, Ratandeep; Pooja, Laishram Saya, (Corresponding Author)	https://pubs.thesciencein.org/journal/index.php/cbl/article/vi
JOURNAL PAPER (International)	Guar gum-based nanocomposites: Role in water purification through efficient removal of dyes and metal ions.	Carbohydrate Polymer	Laishram Saya , Vipin Malik, Aarushi Singh, Snigdha Singh, Geetu Gambhir, W. Rameshwor Singh, Ramesh Chandra , Sunita Hooda (First Author)	https://doi.org/10.1016/j.carbpol.2021.117851
JOURNAL PAPER (International)	A promising nano adsorbent for Reactive Blue 13 dye. Environmental Advances	Environmental Advances	Drashya Gautam, Laishram Saya , Sunita Hooda (Joint Author)	https://doi.org/10.1016/j.envadv.2020.100014
JOURNAL PAPER (International)	Role of Acetylcholinesterase (AChE) reactivators in the treatment of Organophosphorus poisoning: in vivo, in vitro, and in silico studies.	Chemical Biology Letters	22. Ratandeep, Ayushi, Garima, Laishram Saya, Pooja (Corresponding Author)	https://pubs.thesciencein.org/journal/index.php/cbl/article/vi
JOURNAL PAPER (International)	Intramolecular Excited-State Proton Transfer in Biologically Active Flavones: A Combined Experimental and Theoretical Study	Asian Journal of Chemistry	Sanjay Kumar, Laishram Saya, H.C. Tandon, Shikha Gulatii (Joint Author)	https://asianpubs.org/index.php/ajchem/article/view/31_4_3

JOURNAL PAPER (International)	Comparative Analysis of Magnetic Tamarind Kernels and GO-Grafted Magnetic Tamarind Kernels for the Mitigation of Congo Red Dye. Sustainable Chemistry One World, 100178.	Sustainable Chemistry for One World	Sunita Hooda, Sahil Kohli, Rushali Makkar, Nishita, Anita Narang, Anupama Shukla, Manisha Verma, Sanjeeta Rani, Geetu Gambhir, Laishram Saya (Corresponding Author)	https://doi.org/10.1016/j.scowo.2025.100178
JOURNAL PAPER (International)	Thermo-electrical performance of ferrite-doped chitosan nanocomposites modified with graphene oxide	Asian Journal of Chemistry	SANJEETA RANI , PRITI GOYAL , LAISHRAM SAYA, SUNITA HOODA, and MANISHA VERMA (Joint Author)	https://doi.org/10.14233/ajchem.2025.34789
JOURNAL PAPER (International)	Energy-efficient magnetite-chitosan/GO nanocomposites: structural, dielectric, and conductivity analysis for sustainable energy solutions	Materials Research Innovations (Taylor and Francis))	Sanjeeta Rani, Preeti Goyal, Laishram Saya, Sunita Hooda, Manisha Verma (Joint Author)	https://doi.org/10.1080/14328917.2026.2642102
JOURNAL PAPER (International)	Water purification through removal of toxic dyes using novel GO-grafted magnetic polyvinyl acetate: Kinetics, isotherms and thermodynamic studies.	Next Sustainability (Elsevier)	Geetu Gambhir, Sahil Kohli, S., Rushali Makkar, Manisha Verma, Sanjeeta Rani, Tanya Goel, Laishram Saya, Sunita Hooda (Corresponding Author)	https://doi.org/10.1016/j.nxsust.2026.100315

JOURNAL PAPER (International)	Imidazopyridine–Coumarin Derivatives as Novel Multi-Target Directed Ligands (MTDLs): Balancing Acetylcholinesterase Inhibition and Antioxidant Activity for Neuroprotection.	Journal of Molecular Structure, Elsevier	Pooja, Ankita Kumari, Jeevika Bhat b , Poonam, Pratibha Pandey , Laishram Saya, Ramendra Pratap (Joint Author)	https://doi.org/10.1016/j.molstruc.2026.147722
CHAPTER (International)	Potential of AI Optimization in Wastewater Treatment Processes. In Application of Artificial Intelligence in Wastewater Treatment	SPRINGER NATURE, SWITZERLAND	Pakhi Tyagi, Pooja, Sunita Hooda, Laishram Saya* (Corresponding Author)	https://doi.org/10.1007/978-3-031-69433-2_4
CHAPTER (International)	Emerging AI Technologies in Wastewater Treatment. In Application of Artificial Intelligence in Wastewater Treatment	SPRINGER NATURE, SWITZERLAND	Anshi Singhal, Pooja, Sunita Hooda, Laishram Saya* (Corresponding Author)	https://doi.org/10.1007/978-3-031-69433-2_10
CHAPTER (International)	Automated Water Control System in Wastewater Treatment Plants. In Application of Artificial Intelligence in Wastewater Treatment	SPRINGER NATURE, SWITZERLAND	Mohd. Tahoor, Pooja, Sunita Hooda, & Laishram Saya* (Corresponding Author)	https://doi.org/10.1007/978-3-031-69433-2_6
CHAPTER (International)	Recommendations for Implementation of AI: Steps Toward Industry-Wide Adoption. In Application of Artificial Intelligence in Wastewater Treatment	SPRINGER NATURE, SWITZERLAND	Aditi Gaur, Pooja, Sunita Hooda, Laishram Saya* (Corresponding Author)	https://doi.org/10.1007/978-3-031-69433-2_12

CHAPTER (International)	Gellan gum–based hydrogels as useful biomedical material. In Application of Gellan Gum as a Biomedical Polymer	ELSEVIER	Laishram Saya * , Roopa Rani Samal * , Kungreiliu Panmei, Lanbiliu , Divya, Drashya Gautam , Sarita Kumar , Sunita Hooda (First Author, Corresponding Author)	https://doi.org/10.1016/B978-0-323-91815-2.00011-9
CHAPTER (International)	Cellulose-Based Nanosponges for Wastewater Remediation. In Nanosponges for Environmental Remediation	SPRINGER NATURE, SWITZERLAND	Laishram Saya*, Ratandeep, Bikaramjeet, & Pooja. (First Author)	https://doi.org/10.1007/978-3-031-41077-2_16
CHAPTER (International)	Introduction to Sponge-Like Functional Materials from TEMPO-Oxidized Cellulose Nanofibers. In Nanosponges for Environmental Remediation	SPRINGER NATURE, SWITZERLAND	Pooja, Tarisha Gupta, Madhav Dutt, & Laishram Saya, (Corresponding Author)	https://doi.org/10.1007/978-3-031-41077-2_12
CHAPTER (International)	Metal–Organic Frameworks (MOFs) as Versatile Detoxifiers for Chemical Warfare Agents (CWAs). In Metal-Organic Frameworks (MOFs) as Catalysts	SPRINGER NATURE, SWITZERLAND	Laishram Saya, Sunita Hooda (First Author)	https://doi.org/10.1007/978-981-16-7959-9_18
CHAPTER (International)	Evolution in graphene oxide-based materials characterization and modeling	ELSEVIER	Roopa Rani Samal, Drashya Gautam, Kungreiliu Panmei, P. Lanbiliu, Laishram Saya, Geetu Gambhir , Sunita Hooda, Sarita Kumar (Joint Author)	https://doi.org/10.1016/B978-0-323-96020-5.00017-0
CHAPTER (International)	Chemical and Pharmacological properties of Olive Oil, Nova Publications	Nova Publications	Pooja, Laishram Saya (Joint Author)	https://novapublishers.com/shop/olive-oil-production-proper and-health-benefits/

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	COORDINATOR	National	seminar on “Chemosensors at Work: Detecting Heavy Metals and Biothiols	20.Nov.2024 - 03.Oct.2025
2025	SEMINAR ATTENDED	COORDINATOR	College	Seminar on "Exploring Career Opportunities in Biological Sciences""	22.Jan.2025 - 03.Oct.2025
2025	SEMINAR ATTENDED	ORGANIZER	International	seminar on "Electrochemical Sensors, Energy and Sustainability: small devices with a big mission"	16.Apr.2025 - 03.Oct.2025
2025	SEMINAR ATTENDED	COORDINATOR	College	seminar on "Indica to Invisible Empires: Storytelling Science across times'	24.Feb.2025 - 03.Oct.2025
2025	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	COORDINATOR	College	two-days Hands-on Workshop on "Research Methodology for Chemists (DSE - 13)"	21.Feb.2025 - 22.Feb.2025
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ORGANIZER	College	hands-on workshop on "in-silico Docking and Molecular Dynamics Simulation in Drug Discovery Process"	07.Oct.2024 - 03.Oct.2025
2025	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	FDP ON "NEP Orientation and Sensitization Programe"	15.Oct.2024 - 25.Oct.2024

Dr. LAISHRAM SAYA DEVI