Sri Venkateswara College

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

Print Date : 09-10-2026

1. Personal Profile

Title: **Dr.** First Name: **MADHU** Last Name: **RAINA**

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

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

Email: **RAMADHUOFFSHORE@GMAIL.COM** Webpage: **----------**

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

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

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

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

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

2. Educational Qualifications

Degree/ Certification	Institution	Year
Ph.D	University of Jammu	2019
NET	University Grants Commission	2017

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ELECTORAL LITERARY CLUB Cluster University of Jammu	30.Jul.2021 - 30.Jul.2021	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Cluster University of Jammu	11.Aug.2021 - 23.Nov.2021	
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	ELECTRONICS - LUMINOUS Cluster University of Jammu	16.Sep.2021 - 16.Nov.2021	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Cluster University of Jammu	04.Feb.2021 - 23.Feb.2021	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION University of Jammu	06.Jun.2021 - 06.Jul.2021	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION University of Jammu	01.Dec.2021 - 01.Dec.2022	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	FOREIGN LANGUAGES Department of Botany, Sri Venkateswara College	17.Jan.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Department of Botany, Sri Venkateswara College	17.Jan.2023 - Till date	Departmental Material Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Department of Botany, Sri Venkateswara College	17.Jan.2023 - 06.Jun.2024	Departmental Outstation Excursion Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Department of Botany, Sri Venkateswara College	17.Jan.2023 - 06.Jun.2024	Departmental Teaching, Learning and Evaluation Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Department of Botany, Sri Venkateswara College	17.Jan.2023 - 06.Jun.2024	Student support and progression committee
ADMINISTRATIVE ASSIGNMENTS	CO-COORDINATOR	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	01.Apr.2023 - Till date	College Green Audit Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	17.Jan.2023 - 06.Jun.2024	Departmental Teaching, Learning and Evaluation Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	17.Jan.2023 - 06.Jun.2024	Student support and progression committee
ADMINISTRATIVE ASSIGNMENTS	CO-COORDINATOR	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	01.Apr.2023 - Till date	College Green Audit Committee
ADMINISTRATIVE ASSIGNMENTS	OFFICER ON SPECIAL DUTY (OSD)	MODEL UNITED NATIONS (MUNSOC) Sri Venkateswara College	11.Apr.2023 - 11.Apr.2023	Cultural Fest Society: Effulgence Filmsoc Event: Film making competition
ADMINISTRATIVE ASSIGNMENTS	MEMBER	GARDEN AND SUSTAINABLE DEVELOPMENT COMMITTEE Sri Venkateswara College	24.Aug.2023 - Till date	Value Added Course (VAC) Committee (College Level)

ADMINISTRATIVE ASSIGNMENTS	MEMBER	FOREIGN LANGUAGES Sri Venkateswara College	21.Aug.2023 - Till date	Staff Council Committee: College Magazine Committee
ADMINISTRATIVE ASSIGNMENTS	MEMBER	HAR GHAR DHYAN Sri Venkateswara College	21.Aug.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Gandhi Study Circle, Sri Venkateswara College, DU	10.Oct.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	22.Feb.2024 - Till date	Viksit Bharat: Voice of Youth Program
CAREER PROFILE	SUBJECT EXPERT	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Plant Stress Journal	01.Apr.2024 - 01.Jun.2024	
ADMINISTRATIVE ASSIGNMENTS	OFFICER ON SPECIAL DUTY (OSD)	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	07.Apr.2024 - 07.Apr.2024	NEXUS, 2024 Entry Regulation Committee
ADMINISTRATIVE ASSIGNMENTS	IN-CHARGE	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Sri Venkateswara College	08.Apr.2024 - 08.Apr.2024	NEXUS, 2024 Event Name: Madari Society: Anubhuti
CAREER PROFILE	MEMBER	STAFF ADVISORY COMMITTEE TO THE STUDENTS UNION Department of Botany, Sri Venkateswara College	07.Jun.2024 - Till date	Departmental Involucre Committee

4. Other Profiles

Other Profile Name/ Description

SUBJECTS TAUGHT

1. Biomolecules and Cell Biology (PG. Integrated Botany)
2. Molecular Biology (PG. Integrated Botany)
3. Generic: Plant Anatomy and Embryology (PG. Integrated Zoology)

SUBJECTS TAUGHT

1. Reproductive Biology of Angiosperms (PG. Integrated Botany),
2. Molecular Biology (PG. Integrated Botany)
3. Generic: Plant Anatomy and Embryology (PG. Integrated Zoology).
4. Dissertation (PG. Integrated Botany)

SUBJECTS TAUGHT

Reproductive Biology of Angiosperms (PG. Integrated Botany)

SUBJECTS TAUGHT

M.Sc. Botany/Plant Resource Utilization and Conservation

M.Sc. Botany/Bryophytes

M.Sc. Botany/Plant Propagation

M.Sc. Botany/ Plant Reproduction

M.Sc. Botany/Pteridophytes

M.Sc. Botany/Plant Breeding and Biostatistics

SUBJECTS TAUGHT

B.Sc (P) Life Sciences/ Plant Diversity and Systematics

Value Added course/ Science and Society

Skill Enhancement Course/ Sustainable Ecotourism and Entrepreneurship

B.Sc (H) Biological Science/ Biochemical Techniques

B.Sc (P) Life Sciences/ Plant Physiology and Metabolism

B.Sc (P) Life Sciences/ Genetics and Molecular Biology

Value Added course/Fit India
Skill Enhancement Course /Green Belt Development for Smart Cities
B.Sc (H) Botany/ Bryophytes, Pteridophytes and Gymnosperms
B.Sc (H) Biological Sciences / Growth and Reproduction
B.Sc (H) Botany/ Reproductive Biology of Angiosperms
B.Sc (P) Life Science/ Plant Cell and Developmental Biology
B.Sc (H) Biological Sciences / Diversity in Life Forms-II
B.Sc (P) Life Sciences/ Ecology and Evolution

AWARDS AND DISTINCTIONS

1. Secured **First Position** in Faculty's Category in oral presentation on "Post-zygotic self sterility as a cause of late-acting self-incompatibility in *Kigelia africana* (Lam.) Benth. (Bignoniaceae)" in the Annual National Conference on Advances in Plant Biology (APB, 2024) themed "Innovation and Strategies for Sustainable Agriculture Productivity for Viksit Bharat @2047" organized by Hansraj College, New Delhi **on Feb 10, 2024**.

1. Secured **First Position** in oral presentation on "Cytochemical aspects of stigma vis-a-vis fruit set in *Kigelia pinnata* (Jacq.) DC" in the Two-day virtual International Conference on "Bioinformatics in Biology: From Pre-requisite to Post-requisite", organized by Department of Botany, Gargi College, University of Delhi **on March 2-3, 2024**.

FIELD TRIPS ORGANIZED

Educational Visit of B.Sc (P) Life Science Semester –IV to Sunder Nursery Heritage Park (Department of Botany, SVC on 21.04.2023)

Educational visit of B.Sc (H) Botany Sem-III to Botanical Garden of Indian Republic (BGIR), Noida , UP (Department of Botany, SVC on 13.10.2023)

Educational Visit of Value Added Course (VAC) Semester I students to Yamuna Biodiversity Park (Department of Botany, SVC on 07.11.2023)

Educational Visit of Value Added Course (VAC) Semester I students to Nehru Planetarium, Teen Murti Marg, New Delhi (Department of Botany, SVC on 26.11.2023)

FIELD TRIPS ORGANIZED

Educational visit of PG integrated Botany Semester II to SKUAST, Jammu (Department of Botany, Cluster University of Jammu on 18.09.2019).

UG/ PG RESEARCH PROJECTS/ INTERNSHIPS

Mentored 10 students under "Student Centered Non-Funded Research Project" under research theme "Preliminary Cytological Study in Selected Croton Variety: *Codiaeum variegatum* (L.) Blume" during the period from **September 5, 2023 to March 5, 2024**.

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)	Stigmatic limitations on reproductive success in a paleotropical tree: causes and consequences.	Annals of Botany (AoB) PLANTS	Madhu Raina, Raman Kumar and Veenu Kaul (First Author, Corresponding Author)	https://doi.org/10.1093/aobpla/plx023	July 2017
JOURNAL PAPER (National)	Assessment of stigma receptivity via papillar integrity in Kigelia pinnata (Jacq.) DC (Bignoniaceae).	Proceedings of the National Academy of Sciences, India, Section B Biological Science	Madhu Raina and Veenu Kaul (First Author, Corresponding Author)	doi.org/10.1007/s40011-018-0999-4.	September 2018
JOURNAL PAPER (National)	Effect of Boron on Pollen Attributes in Different Cultivars of Malus domestica L.	National Academy of Science Letters	Yavar Sharafi and Madhu Raina (Joint Author, Corresponding Author)		June 2020
JOURNAL PAPER (International)	COVID-19 in India: A glimpse of pariah.	Journal of Emergency Management	Madhu Raina (Sole Author)	10.5055/jem.0535	January 2020
JOURNAL PAPER (International)	Zealous clout of COVID-19: analytical research at sixes and sevens	Epidemiologic Methods	Madhu Raina (Sole Author)		March 2021
JOURNAL PAPER (International)	Potential seed dispersal mechanism of Kigelia africana (Lam.) Benth. in an urban habitat	Botany Letters	Madhu Raina, Raman Kumar and Veenu Kaul (First Author, Corresponding Author)		January 2023

JOURNAL PAPER (National)	Mode of Anther Dehiscence in Kigelia pinnata (Jacq.) DC	National Academy Science Letters	Madhu Raina and Veenu Kaul (First Author, Corresponding Author)		October 2016
JOURNAL PAPER (National)	Spider Nectivory from Extranuptial Nectaries of Urena lobata L.: A Case from Indian Subcontinent	National Academy Science Letters	Sakshi Saini and Madhu Raina (Joint Author, Corresponding Author)		December 2022
CHAPTER (International)	Sexual selection in angiosperms: paradox re-visited. In Reproductive Ecology of flowering plants: patterns and processes.	Springer Nature Singapore	Veenu Kaul and Madhu Raina (Joint Author)		September 2020
CHAPTER (National)	Traditional agricultural practices: a preview into record. In Trends in Agriculture: Traditional and Modern Approaches	Agrobios Research	Madhu Raina, Romica Verma and Bharat Bhushan (First Author, Corresponding Author)		September 2021
CHAPTER (National)	Cyanobacteria: An inevitable bioagent for sustainable agriculture. In Trends in Agriculture: Traditional and Modern Approaches.	Agrobios Research	Bharat Bhushan,Arun Khajuria and Madhu Raina (Joint Author)		September 2021
CHAPTER (International)	Fanatical Clout of Porous Carbon Materials-A Peek in Therapeutics. In Handbook of Porous Carbon Materials	Springer Nature Singapore	Madhu Raina, Sonia Sharma and Sakshi Koul (First Author, Corresponding Author)		September 2023

CHAPTER (International)	Microbial Modifications and Biochemical Pathway: Mechanism for Ecosystem Decontamination. In Microbial Bioremediation, Sustainable Management of Environmental Contamination.	Springer Nature Switzerland	Gulzar Ahmed Rather and Madhu Raina (Joint Author)		December 2023
CHAPTER (International)	Natural compounds as insecticides- a novel understanding. In New Horizons in Natural Compound Research	Academic Press (Elsevier)	Gulzar Ahmed Rather, Madhu Raina and Sakshi Saini (Joint Author)		January 2023
CHAPTER (National)	Natural and Human Dimensions of Soil Degradation: Causes and Consequences	Agrobios Research	Madhu Raina, Romica Verma and Bhavana Sharma (First Author)	https://doi-ds.org/doilink/11.2023-78156977/AGROBIOS/11.2023-21515163/Ed1/V1/CH7	September 2023
CHAPTER (National)	Soil Microbes and their Contribution to Ecosystem	Agrobios Research	Madhu Raina, Bhavana Sharma, Romica Verma and Veenu Kaul (First Author)	https://doi-ds.org/doilink/11.2023-78156977/AGROBIOS/11.2023-21515163/Ed1/V1/CH7	September 2023

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
2019	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PAPER PRESENTER	International	Three-day International Conference on Applied Biology (ICAB-2019) and First Annual Convention of Society of Biologists	04.Nov.2019 - 06.Nov.2019
2020	SEMINAR ATTENDED	PAPER PRESENTER	National	Two Day National Seminar on “Diversity and Reproduction in Plants and Microbes: Plant Scenario”	07.Feb.2020 - 08.Feb.2020

2020	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	Science Academies' Science Leadership Workshop	22.Jun.2020 - 28.Jun.2020
2022	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ORGANIZER	National	Two Day online Workshop on "DNA Isolation, Diversity Assessment and Analysis using ISSR Markers in Plants"	11.Feb.2022 - 12.Feb.2022
2022	ONLINE CERTIFICATE COURSE/ TRAINING PROGRAMS ATTENDED	PARTICIPANT	National	One Day Research Facility Training Program for Researchers on "Diversity Assessment in Plants using Cytological and Molecular Technique"	14.Mar.2022 - 14.Mar.2022
2022	SEMINAR ATTENDED	CHAIRPERSON	National	Two day National Seminar on " Plants and Fungi- Polyphasic Characterization and Bioprospection"	25.Mar.2022 - 26.Mar.2022
2022	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	Six Day National Workshop on Microtomy: Principle, Procedures and Applications	07.Oct.2022 - 12.Oct.2022
2022	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PAPER PRESENTER	National	National conference on Promoting Applied Research in Plant Science-2022	09.Nov.2022 - 10.Nov.2022
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	One Day National Workshop on Research Methodology	23.Jan.2023 - 23.Jan.2023
2023	REFRESHER COURSE ATTENDED	PARTICIPANT	National	Two-Week Refresher Course in Life Science (online).	17.Mar.2023 - 01.Apr.2023
2023	FACULTY INDUCTION PROGRAM ATTENDED	PARTICIPANT	National	4-Week Faculty Induction/Orientation Programme	23.Apr.2023 - 22.May.2023
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	College	One Day Workshop on Waste Segregation at Source and its Management	30.May.2023 - 30.May.2023
2023	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	One-Week Online National Faculty Development Program.	09.Jun.2023 - 15.Jun.2023
2021	WEBINAR ATTENDED	PARTICIPANT	National	Two Day Webinar on Sustainable Ecosystem Restoration Initiatives & Practices (SERIP 2021)	05.Jun.2021 - 07.Jun.2021
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	One Day Workshop on 'Planning, Conducting and Writing up of Small Research Projects'	28.Jul.2023 - 28.Jul.2023

2023	WEBINAR ATTENDED	PARTICIPANT	College	Webinar on ‘Reference Management Tools for Academic Writing’	29.Aug.2023 - 29.Aug.2023
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	Six-Day Online Faculty Development Program.	06.Feb.2024 - 10.Feb.2024
2024	WEBINAR ATTENDED	PARTICIPANT	National	One-Day National Webinar on ‘Is Air Pollution Responsible for Increasing Rate of Lung Cancer?’	02.Mar.2024 - 02.Mar.2024
2024	FACULTY INDUCTION PROGRAM ATTENDED	PARTICIPANT	National	Eleven-Day (online) NEP 2020Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	12.Feb.2024 - 22.Feb.2024
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	College	Three-day online workshop on ‘Use of AI in Teaching, Learning and Evaluation’	22.May.2024 - 24.May.2024
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	CONVENER	College	Involucre: Accrescent Departmental Magzine- Mandala Pot Painting Competition (Teacher Convener)	20.Apr.2023 - 20.Apr.2023
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	CO-CONVENER	College	One day workshop on ‘Yoga and Practice’ for the Mind, Body and Soul	26.Oct.2023 - 26.Oct.2023
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ORGANIZER	National	A Two-Day Lecture Workshop on “Trends in Plant Taxonomy”	05.Mar.2024 - 06.Mar.2024

Dr. MADHU RAINA