



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

(Phone No. - 011-7121 9084 : Email - principal@kmc.du.ac.in)



Print Date : 13-06-2026

## 1. Personal Profile

Title: **Dr.** First Name: **YASH** Last Name: **MANGLA**

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

Phone No. (Office) **011-71219084** Phone No. (Residence): -----

Email: **yash@kmc.du.ac.in** Webpage: -----



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

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

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

Google Scholar Link: <https://scholar.google.com/citations?user=8-McpWcAAAAJ&hl=en>

Address: -----

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
Ph. D.	University of Delhi	2014
M.Sc.	University of Delhi	2008
B.Sc.	Acharya Narendra Dev College, University of Delhi	2006

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	ASSISTANT PROFESSOR	BOTANY Kirori Mal College University of Delhi	02.Dec.2022 - Till date	
CAREER PROFILE	ASSISTANT PROFESSOR	BOTANY ACHARYA NARENDRA DEV COLLEGE, DELHI	02.Sep.2015 - 01.Dec.2022	
CAREER PROFILE	GUEST LECTURER	BOTANY ACHARYA NARENDRA DEV COLLEGE, DELHI	05.Jan.2015 - 22.Apr.2015	

CAREER PROFILE	ASSISTANT PROFESSOR	BOTANY ACHARYA NARENDRA DEV COLLEGE, DELHI	10.Jan.2014 - 19.Dec.2014	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	GARDEN COMMITTEE Kirori Mal College University of Delhi	22.May.2023 - 30.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	TIME TABLE COMMITTEE Kirori Mal College University of Delhi	22.May.2023 - 30.Jun.2025	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	FOREIGN LANGUAGE COURSES COMMITTEE Kirori Mal College	01.Jan.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ALL DEPARTMENT Student Union Election 2023-24 Refreshment Committee, Kirori Mal College	01.Sep.2023 - 30.Sep.2023	
ADMINISTRATIVE ASSIGNMENTS	CO-CONVENER	GARDEN COMMITTEE ACHARYA NARENDRA DEV COLLEGE, DELHI	01.Jun.2022 - 01.Dec.2022	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PROSPECTUS COMMITTEE ACHARYA NARENDRA DEV COLLEGE, DELHI	01.Apr.2022 - 01.Dec.2022	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ALL DEPARTMENT Viksit Bharat@2047 Committee, Kirori Mal College	01.Feb.2024 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ALL DEPARTMENT Alumni meet'24 Committee, Kirori Mal College, University of Delhi	01.Mar.2024 - 10.Apr.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ALL DEPARTMENT Annual Day Prize Distribution Committee, Kirori Mal College	01.Mar.2024 - 15.May.2024	

#### 4. Other Profiles

##### Other Profile Name/ Description

##### MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

€Life member of Delhi University Botanical Society (DUBS).

€Life member of Society of Plant reproductive biologists, Agra.

Annual Member of Indian Society of Evolutionary Biologists, IISERs.

#### AREAS OF INTEREST/ SPECIALIZATION

Reproductive Biology of Flowering Plants

Anatomy of Angiosperms

Ecology

Plant Systematics

Biodiversity

Reproductive Ecology of Plants

#### FIELD TRIPS ORGANIZED

**Organized and accompanied many excursions for the students of B.Sc. (Honours) Botany and B.Sc. (Program) Life Sciences to places like Dalhousie, Karnataka, Jaisalmer, FRI Dehradun, Dhanoulti etc..**

**Accompanied Students of B.Sc. (H) Botany Semester VI for Curriculum based Industry Visit to 'Yakult Factory, Sonipat, Haryana', UG, Department of Botany, Kirori Mal College, April 9, 2024.**

#### SYLLABUS FORMATION

- 1. Member of committee for preparation of guidelines of papers for B.Sc. (Hons.) Botany under UGCF (NEP 2020), July 2024
- - Reproductive Biology of Angiosperms (DSC)
- - Recombinant DNA Technology and Proteomics (DSE)
- 2. Member of committee for preparation of guidelines of paper Plant Cell and Development Biology of B.Sc. (Prog) Life Science under UGCF (NEP 2020), August 2023
- 3. Member of committee for preparation of syllabus of paper Plant Systematics of B.Sc. (H) Botany under UGCF (NEP 2020), April 2022
- 4. Drafted and Modified syllabus under Learning Outcomes-based Curriculum Framework (LOCF) for the B.Sc. (Honours) Botany (CBCS mode, Papers: Reproductive Biology of Angiosperms).

#### OTHERS

- Member of annual Flower show committee organized by Garden Committee, University of Delhi.

## WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

**Organized Inter-College hands-on workshop on SPR and UV-Vis Spectroscopy organized by Acharya Narendra Dev College, August 21-27, 2019.**

**Organized Lecture cum Interactive Session entitled ‘Funding Schemes for Teachers in Higher Education’ for college teachers, Kirori Mal College, University of Delhi, March 9, 2024, under DBT Star College Scheme, Kirori Mal College.**

**March 2024: Member 66th Flower Show Committee, University of Delhi**

**March 2024: Nari Shakti Conclave Under the aegis of Viksit Bharat, March 7 2024, Jointly organized by University of Delhi and Kirori Mal College.**

**March 2025: Member 67th Flower Show Committee, University of Delhi**

## AWARDS AND DISTINCTIONS

- ‘Best Oral Presentation Award’ at International Seminar on ‘Current Avenues in Microbial and Plant Sciences’ organized by Department of Botany, University of Gaur Banga, Malda, West Bengal. February 23- 25, 2019.
- ‘Best Poster Award’ for poster presentation at National Conference on ‘Pharmacognosy: Scope of phytochemically unexplored medicinal plants’ at Zakir Husain Delhi College, University of Delhi on January 12, 2017.
- ‘Best Poster Award’ for poster presentation at National Symposium on ‘Global Environment Challenges: Present Scenario’ organized by Department of Botany, University of Rajasthan, Jaipur, on January 21, 2017.

## SUBJECTS TAUGHT

- Reproductive Biology of Flowering Plants
- Reproductive Ecology of Angiosperms
- Anatomy of Angiosperms
- Ecology and Phytogeography
- Plant Systematics
- Plant Biodiversity and Evolution
- Analytical Techniques in Plant Sciences
- Plant Biotechnology
- Cell and Developmental Biology of Plants
- Nursey, gardening, and Landscaping
- Research Methodology
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## 5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
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## 6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
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## 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publ (Month) Year
JOURNAL PAPER (International)	ISSR markers for gender identification and genetic diagnosis of <i>Hippophae rhamnoides</i> ssp. <i>turkestanica</i> growing at high altitudes in Ladakh region (Jammu and Kashmir)	Protoplasma	Das K, Ganie SH, Mangla Y, Dar T, Chaudhury M, Thakur R, Tandon R, Raina SN, Goel S (Joint Author)	<a href="https://doi.org/10.1007/s00709-016-1013-8">https://doi.org/10.1007/s00709-016-1013-8</a>	March 2017
JOURNAL PAPER (International)	Occurrence of subdioecy and scarcity of gender-specific markers reveal an ongoing transition to dioecy in Himalayan seabuckthorn ( <i>Hippophae rhamnoides</i> ssp. <i>turkestanica</i> )	Heredity/Nature Publishing Group	Mangla Y, Das K, Bali S, Ambreen H, Raina SN, Tandon R, Goel S (First Author)	<a href="https://doi.org/10.1038/s41437-018-0084-z">https://doi.org/10.1038/s41437-018-0084-z</a>	January 2019
JOURNAL PAPER (National)	Gender determination mechanisms in plants: foundation for unisexuality.	The International Journal of Plant Reproductive Biology	Mangla Y, Khanduri P, Tandon R (First Author)		January 2016
JOURNAL PAPER (International)	Facultative apomixis and development of fruit in a deciduous shrub with medicinal and nutritional uses	AoB PLANTS/Oxford University Press	Mangla Y, Chaudhary M, Gupta H, Thakur R, Goel S, Raina SN, Tandon R (First Author)	<a href="https://doi.org/10.1093/aobpla/plv098">doi:10.1093/aobpla/plv098</a>	August 2015

JOURNAL PAPER (International)	Pollination ecology of Himalayan seabuckthorn, <i>Hippophae rhamnoides</i> L. (Elaeagnaceae)	Current Science	Mangla Y, Tandon R (First Author)	<a href="https://www.currentscience.ac.in/Volumes/106/12/1731.pdf">https://www.currentscience.ac.in/Volumes/106/12/1731.pdf</a>	June 2014
JOURNAL PAPER (International)	Structural organization of the gynoeceium and pollen tube path in Himalayan seabuckthorn, <i>Hippophae rhamnoides</i> (Elaeagnaceae).	AoB PLANTS	Mangla Y, Tandon R, Goel S, Raina SN (First Author)	<a href="https://doi.org/10.1093/aobpla/plt015">https://doi.org/10.1093/aobpla/plt015</a>	April 2013
JOURNAL PAPER (International)	Insects facilitate wind pollination in pollen-limited <i>Crateva adansonii</i> (Capparaceae)	Australian Journal of Botany/ CSIRO Publishing group	Mangla Y and Tandon R (First Author)	<a href="https://www.publish.csiro.au/bt/bt10174">https://www.publish.csiro.au/bt/bt10174</a>	November 2011
JOURNAL PAPER (National)	Green Plants as a Sustainable Solution to Air Pollution	INTERNATIONAL JOURNAL OF PLANT AND ENVIRONMENT	Nitin Joshi, Charu Khosla Gupta*, Yash Mangla and Arijit Chowdhuri (Joint Author)	<a href="https://doi.org/10.18811/ijpen.v9i02.02">https://doi.org/10.18811/ijpen.v9i02.02</a>	August 2023
JOURNAL PAPER (International)	Variable resource allocation pattern, biased sex-ratio, and extent of sexual dimorphism in subdioecious <i>Hippophae rhamnoides</i>	PLOS ONE	Manisha Jhahhariya, Yash Mangla, Atika Chandra, Shailendra Goel, Rajesh Tandon (First Author)	<a href="https://doi.org/10.1371/journal.pone.0302211">https://doi.org/10.1371/journal.pone.0302211</a>	April 2024
JOURNAL PAPER (International)	Sexual dimorphism and pollination mechanism of <i>Zanthoxylum armatum</i> , a vulnerable medicinally important dioecious tree	Journal of Asia-Pacific Biodiversity	Sharma R, Mangla Y, Magotra P, Sharma N (Joint Author)	<a href="https://doi.org/10.1016/j.japb.2024.06.007">https://doi.org/10.1016/j.japb.2024.06.007</a>	June 2024

CHAPTER (International)	Current Status of Chromosome-Based Gender determination in Seabuckthorn. In: The Seabuckthorn Genome. Sharma P. (ED.)	Springer Nature Switzerland	Manisha*, Mangla Y*, Tandon R, Goel S (First Author)	<a href="https://doi.org/10.1007/978-3-031-11276-8_3">https://doi.org/10.1007/978-3-031-11276-8_3</a>	December 2022
CHAPTER (International)	Dynamics of Eco-evolutionary Forces in Shaping Dioecy. In: Plant Reproductive Ecology: Patterns and Processes. Tandon et al. (eds)	Springer Nature Singapore Pte Ltd.	Mangla Y*, Manisha, Goel S, Tandon R (First Author)	<a href="https://doi.org/10.1007/978-981-15-4210-7_9">https://doi.org/10.1007/978-981-15-4210-7_9</a>	September 2020
CHAPTER (University)	Self-Incompatibility. Lesson developed as e-resource in open education under section 'Botany', Institute of lifelong Learning (ILLL), University of Delhi.	ILLL, University of Delhi	Mangla Y, Gupta CK. (First Author)		November 2015
CHAPTER (National)	Love in the Air- Wind pollination: Ecological and Evolutionary Considerations. In: Plant Reproductive Biology and Conservation (Eds. R Kapoor, I Kaur, M Koul)	I.K. International, Delhi	Mangla Y, Gupta CK (First Author)		July 2014

CHAPTER (International)	Soil health and its effect on plant phenology. In: Technical advances in Soil health and Nutrition	CABI USA	YASH MANGLA AND CHARU K GUPTA (First Author)	DOI: 10.1079/9781800624597.0012	April 2025
RESEARCH PAPERS (International)	Mitotic karyotyping and FISH mapping of the gender-specific locus indicate an advanced XY system in <i>Hippophae rhamnoides</i>	Journal of Genetics	JHAJHARIYA M., MANGLA Y., SOROKHAIBAM S., GOEL S, TANDON R. (Joint Author)	<a href="https://doi.org/10.1007/s12041-025-01521-0">https://doi.org/10.1007/s12041-025-01521-0</a>	January 2026

## 8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
BOOK (International)	Reproductive Biology of Angiosperms: Concepts and Methods	YASH MANGLA, PRIYANKA KHANDURI, CHARU KHOSLA GUPTA (First Author)	Cambridge University Press, UK	978-1-009-16040-7

## 9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2023	FACULTY INDUCTION PROGRAM ATTENDED	PARTICIPANT	National	Online Induction Training/Orientation Programme for Faculty in Universities/ Colleges/ Institutions of Higher Education	20.Jan.2023 - 18.Feb.2023
2023	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	How to create your own MOOCS	26.Apr.2023 - 02.May.2023
2023	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	Academic Writing for Research	15.May.2023 - 21.May.2023
2023	REFRESHER COURSE ATTENDED	ASSISTANT PROFESSOR	National	"Managing Online Classes & Co-creating MOOCS	06.Aug.2023 - 20.Aug.2023
2024	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	NEP Orientation and Sensitization Programme	07.May.2024 - 16.May.2024
2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ASSISTANT PROFESSOR	University	Hands on Workshop on Ayurveda and Nutrition	03.Nov.2023 - 03.Nov.2023

2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ASSISTANT PROFESSOR	National	Lecture Workshop on 'Trends in Plant Taxonomy'	05.Mar.2024 - 06.Mar.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	ISEB5	17.Oct.2024 - 19.Oct.2024
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	ASSISTANT PROFESSOR	College	Collecting Stories under digital district repository project of azadi ka amrit mahotsav	06.May.2024 - 07.May.2024

**Dr. YASH MANGLA**