



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



Print Date : 15-02-2026

## 1. Personal Profile

Title: Dr. First Name: **YAMAL** Last Name: **GUPTA**



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

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

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<https://sites.google.com/view/yamalgupta/about-me>

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

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

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

Google Scholar Link: -----

Address: **DEPARTMENT OF BOTANY KMC DELHI 110007**

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
Ph.D.	Department of Botany, University of Delhi	2014
B.Ed.	Central Institute of Education, University of Delhi	2007
M.Sc.	Department of Botany, Jamia Hamdard	2006
B.Sc.	Acharya Narendra Dev College, University of Delhi	2006
B.Ed.	Central Institute of Education, University of Delhi	2007
Ph.D.	Department of Botany, University of Delhi	2014

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	ASSISTANT PROFESSOR	BOTANY KIRORI MAL COLLEGE, DELHI	08.Jan.2018 - Till date	
CAREER PROFILE	MEMBER	STANDING COMMITTEE FOR MONITORING ADMISSIONS KIRORI MAL COLLEGE, DELHI	25.Jul.2023 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	GARDEN COMMITTEE KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 30.Jul.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PRAYAS – THE ENABLING UNIT KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 30.Jul.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PARIVARTAN-THE GENDER FORUM KIRORI MAL COLLEGE, DELHI	01.Jul.2023 - 30.Jul.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	IQAC Kirori Mal College	04.Jul.2024 - 04.Jul.2025	
CAREER PROFILE	MEMBER	FOREIGN LANGUAGE COURSES COMMITTEE Kirori Mal College	15.Jan.2024 - Till date	

#### 4. Other Profiles

##### Other Profile Name/ Description

##### UG/ PG RESEARCH PROJECTS/ INTERNSHIPS

Along with Dr. Renu Kathpalia, Dr. Vibha G Checker, provided training to Kirti Ruhella, Lekha, Permila, Pragya Chauhan, and Swati Singh (Botany Hons. VI Semester students) on the topic “Biochemical techniques in research: Research methodology” Under the DBT star college scheme.

##### UG/ PG RESEARCH PROJECTS/ INTERNSHIPS

Along with Dr. Renu Kathpalia, I gave training to Ms. Stuti Srivastava (Botany Hons. IV Semester student) on the topic “Effect of silver nanoparticles on shelf life of *Gladiolus* sp.” Under the DBT star college scheme.

##### UG/ PG RESEARCH PROJECTS/ INTERNSHIPS

Along with Prof. Rajni Gupta, I co-mentored Ms. Adityakiran (Botany Hons. II Semester Student) on the topic “Assessment of antimicrobial properties of the silver nanoparticles”. Under the DBT star college scheme.

#### 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
2016		SERB	2 Years	18 Lacs	14.Jun.2016

#### 7. Publications

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

JOURNAL PAPER (International)	Exploiting the potential of bio-synthesized silver nanoparticles to enhance the shelf life of Gladiolus	Indian Journal of Biochemistry & Biophysics	Yamal G, Biswas L, Kathpalia R (First Author)	chrome-extension://efaidnbmnnibpcajpcgjclefindmkaj/https://nopr.niscpr.res.in/bitstream/490.pdf
JOURNAL PAPER (International)	Roots of <i>Pennisetum</i> sp. possess the competence to generate nanoparticles of noble metals	Indian Journal of Biochemistry & Biophysics	Yamal G, Singh M, Pardha-Saradhi P, Rao K.S. (First Author)	<a href="http://op.niscair.res.in/index.php/IJBB/article/view/61928">http://op.niscair.res.in/index.php/IJBB/article/view/61928</a>
JOURNAL PAPER (International)	Effect of heat stress on wild type and A7a knockout mutant <i>Arabidopsis thaliana</i> plants	Vegetos	Patel K, Bidalia A, Tripathi I, Yamal G, Arora P, Rao K.S. (Joint Author)	<a href="https://doi.org/10.1007/s42535-021-00272-4">https://doi.org/10.1007/s42535-021-00272-4</a>
JOURNAL PAPER (International)	Specific H <sup>+</sup> level is crucial for accurate phosphate quantification using ascorbate as reductant	Protoplasma	Divya S, Sharmila P, Dinakaran J, Yamal G, Rao K.S., Pardha-Saradhi P (Joint Author)	10.1007/s00709-019-01424-9
JOURNAL PAPER (International)	Impact of Storage on Chlorophyll a Fluorescence Kinetics of Microalgae Immobilized on Cotton Fabric	Phytomorphology	Prasad R, Yamal G, Pardha-Saradhi P (Joint Author)	

JOURNAL PAPER (International)	Reducing strength prevailing at root surface of plants promote reduction of Ag+ and generation of silver nanoparticles exogenously in aqueous phase	PLoS ONE	Pardha- Saradhi P, Yamal G, Peddisetty Tanuj, Sharmila P, Singh Jyoti, Nagarajan Rajamani, Rao KS (Joint Author)	<a href="https://doi.org/10.1371/journal.pone.0106715">https://doi.org/10.1371/journal.pone.0106715</a>
JOURNAL PAPER (International)	Plants fabricate Fe- nanocomplexes at root surface to counter and phytostabilize excess ionic Fe	Biometals	Pardha- Saradhi P, Yamal G, Peddisetty Tanuj, Sharmila P, Singh Jyoti, Nagarajan Rajamani, Rao KS (Joint Author)	<a href="https://link.springer.com/article/10.1007/s10534-013-9690-7">https://link.springer.com/article/10.1007/s10534-013-9690-7</a>
JOURNAL PAPER (International)	Root system of plants is powerful resource for green synthesis of Au- nanoparticles	RSC Advances	Pardha- Saradhi P, Yamal G, Peddisetty Tanuj, Sharmila P, Singh Jyoti, Nagarajan Rajamani, Rao KS (Joint Author)	<a href="https://pubs.rsc.org/en/content/articlelanding/2014/ra/c3ra45370g">https://pubs.rsc.org/en/content/articlelanding/2014/ra/c3ra45370g</a>
CHAPTER (International)	Status of Soil Biota in the Himalayan Region: A Review	Apple Academic Press, Inc. Co- published with CRC Press (Taylor and Francis)	J. Dinakaran, Yamal Gupta, Abhishek Chandra, and K.S. Rao (Joint Author)	DOI: 10.1201/9781003455202-17

CHAPTER (International)	Climate Change and Biodiversity in the Himalaya: Trends and Perception	Apple Academic Press, Inc. Co-Published with CRC Press (Taylor and Francis)	Abhishek Chandra, Yamal Gupta, J. Dinakaran, Nancy Raina, M. Hanif, Archana Meena, and K.S. Rao (Joint Author)	DOI: 10.1201/9781003455202-17
CHAPTER (International)	Status of Soil Biota In the Himalayan Region: A Review.	CRC Press, Apple Academic Press.	• Dinakaran J, Yamal G, Chandra A, Rao KS (Joint Author)	
CHAPTER (International)	Climate Change and Biodiversity in the Himalaya: Trends and Perception.	CRC Press, Apple Academic Press.	Chandra A, Yamal G, Dinakaran J, Raina N, Hanif M, Meena A, Rao KS (Joint Author)	
CHAPTER (International)	Climate Change and Biodiversity in the Himalaya: Trends and Perception. In T. Pullaiah (Ed.) Biodiversity Hotspot of the Himalaya.	CRC Press, Apple Academic Press.	• Chandra A, Yamal G, Dinakaran J, Raina N, Hanif M, Meena A, Rao KS (Joint Author)	

## 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	REFRESHER COURSE ATTENDED	MEMBER	National	Two Week Interdisciplinary Refresher Course on “Research Methodology and Data Analysis”	28.Jul.2023 - 10.Aug.2023

**Dr. YAMAL GUPTA**