



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



Print Date : 16-04-2026

## 1. Personal Profile

Title: **Dr.** First Name: **ASHISH** Last Name: **AGNIHOTRI**

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

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

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



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

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

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

Google Scholar Link: -----

Address: **STAFF ROOM, DEPARTMENT OF BOTANY, KIRORI MAL COLLEGE, NORTH CAMPUS, UNIVERSITY OF DELHI, DELHI-110007**

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
Ph.D.	University of Delhi	2021
M.Sc.	University of Delhi	2014
B.Sc.	Kurukshetra University	2012

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ECO CLUB Kirori Mal College University of Delhi	08.May.2023 - 17.May.2025	
ADMINISTRATIVE ASSIGNMENTS	COORDINATOR	BOTANY Kirori Mal College, University of Delhi	01.Jul.2023 - 31.Jul.2025	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	RESEARCH COUNCIL Kirori Mal College University of Delhi	13.Jun.2023 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	FOREIGN LANGUAGE COMMITTEE Kirori Mal College	COURSES	05.Sep.2023 - Till date
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#### 4. Other Profiles

##### Other Profile Name/ Description

##### AWARDS AND DISTINCTIONS

Cleared CSIR-NET-JRF (Life Sciences)

##### AWARDS AND DISTINCTIONS

Cleared GATE (Life Sciences)

##### AREAS OF INTEREST/ SPECIALIZATION

Plant Ecophysiology and Biochemistry

Plant Abiotic Stress Biology

Phytohormones-assisted abiotic stress management in plants

Ecotoxicogenomics of heavy metals

##### FIELD TRIPS ORGANIZED

Field Trip (16-22 March 2023) from Delhi to Manali and near by places for collection and vegetation study (Himachal Pradesh)

Field Trip (15 June 2023) to ICAR-IARI, Centre for Protected Cultivation Technology, Delhi

Field Trip (10-15 Oct 2023) from Delhi to Mukteshwar, Nainital and Jim Corbett National Park for collection and vegetation study (Uttarakhand)

Field Trip (20 Oct 2023) to ICAR-IARI, Centre for Protected Cultivation Technology, Delhi

#### 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	Publication (Month-Year)
JOURNAL PAPER (International)	Stress-induced somatic embryogenesis on seedlings of <i>Azadirachta indica</i> A. Juss. by thidiazuron and its inhibition by ethylene modulators	Springer	Aparna Nautiyal, Ayyagari Ramlal, Ashish Agnihotri, A. Rashid (Joint Author)	<a href="https://doi.org/10.1007/s11240-023-02473-y">https://doi.org/10.1007/s11240-023-02473-y</a>	March 2023
JOURNAL PAPER (International)	Induction of multiple shoots in <i>Oryza sativa</i> : roles of thidiazuron, 6-benzylaminopurine, decapitation, flooding, and Ethrel® treatments	Springer	Aparna Nautiyal (nee Gairi), A. Rashid, Ashish Agnihotri (Joint Author)	<a href="https://doi.org/10.1007/s11627-022-10316-2">https://doi.org/10.1007/s11627-022-10316-2</a>	November 2022
JOURNAL PAPER (International)	Does jasmonic acid regulate photosynthesis, clastogenecity, and phytochelatins in <i>Brassica juncea</i> L. in response to Pb-subcellular distribution?	Elsevier	Ashish Agnihotri, Chandra Shekhar Seth (First Author)	<a href="https://doi.org/10.1016/j.chemosphere.2019.125361">https://doi.org/10.1016/j.chemosphere.2019.125361</a>	November 2019
JOURNAL PAPER (International)	Counteractive mechanism (s) of salicylic acid in response to lead toxicity in <i>Brassica juncea</i> (L.) Czern. cv. Varuna	Springer	Ashish Agnihotri, Praveen Gupta, Anuj Dwivedi, Chandra Shekhar Seth (First Author)	<a href="https://doi.org/10.1007/s00425-018-2867-0">https://doi.org/10.1007/s00425-018-2867-0</a>	March 2018

JOURNAL PAPER (International)	Comet Assay: A Strong Tool for Evaluating DNA Damage and Comprehensive Guidelines for Plant Cells	IJPE	Ashish Agnihotri and Chandra Shekhar Seth (First Author)	<a href="http://dx.doi.org/10.18811/ijpen.v3i02.10439">http://dx.doi.org/10.18811/ijpen.v3i02.10439</a>	July 2017
JOURNAL PAPER (International)	Interactive effects of EDTA and oxalic acid on chromium uptake, translocation and photosynthetic attributes in Indian mustard ( <i>Brassica juncea</i> L. var. Varuna)	CURRENT SCIENCE	Durga Singh, Ashish Agnihotri and Chandra Shekhar Seth (Joint Author)		May 2017
JOURNAL PAPER (International)	Exogenously applied nitrate improves the photosynthetic performance and nitrogen metabolism in tomato ( <i>Solanum lycopersicum</i> L. cv Pusa Rohini) under arsenic (V) toxicity	Springer	Ashish Agnihotri, Chandra Shekhar Seth (First Author)	DOI 10.1007/s12298-016-0370-2	August 2016
JOURNAL PAPER (National)	Phytoremediation: A Better and Cleaner Way	The Botanica	Ashish Agnihotri, Chandra Shekhar Seth (First Author)		June 2015
JOURNAL PAPER (International)	Various Approaches Used to Increase the Growth and Yield of Linseed Crop	International Journal of Plant and Environment	Leena Shakya, Archana Singh, Ashish Agnihotri, Shivangi, Jai P. Moyal, Shahid Umar, Shubhra Barwa, Sunil K. Dhiman (Joint Author)	10.18811/ijpen.v9i04.01	December 2023

CHAPTER (International)	Transgenic Brassicaceae: A Promising Approach for Phytoremediation of Heavy Metals	Elsevier	Ashish Agnihotri and Chandra Shekhar Seth (First Author)	<a href="https://doi.org/10.1016/B978-0-12-814389-6.00011-0">https://doi.org/10.1016/B978-0-12-814389-6.00011-0</a>	January 2019
CHAPTER (International)	Plant Flooding	Springer	Renu Kathpalia and Ashish Agnihotri (Joint Author)	<a href="https://doi.org/10.1007/978-3-031-83068-6">https://doi.org/10.1007/978-3-031-83068-6</a>	April 2025
RESEARCH PAPERS (International)	Effect of the Static Magnetic Fields on the Circadian Rhythm in Arabidopsis thaliana	International Journal of Plant and Environment	Sunil K. Dhiman, Ashish Agnihotri (Joint Author)	10.18811/ijpen.v9i03.04	September 2023

## 8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
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## 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"	22.Mar.2023 - 20.Apr.2023
2023	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	one week Faculty Development Programme on "Research Method and Research Design"	14.Aug.2023 - 20.Aug.2023
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PARTICIPANT	National	Collecting stories under digital district repository project of azadi ka amrit mahotsav	06.May.2024 - 07.May.2024
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	SPEAKER	National	Bhartiya Gyan Parampara ke alok me rashtriya shiksha neeti 2020	29.Mar.2024 - 30.Mar.2024
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PAPER PRESENTER	National	National Conference On Indian Knowledge System: Traditional to Modern Nanotechnology	13.Dec.2024 - 13.Dec.2024

2025	FACULTY DEVELOPMENT PROGRAM ATTENDED	PARTICIPANT	National	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	04.Feb.2025 - 13.Feb.2025
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**Dr. ASHISH AGNIHOTRI**