



DEPARTMENT OF BOTANY (NORTH CAMPUS)
UNIVERSITY OF KASHMIR

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Website: nc.uok.edu.in; Email: coordinatorbotnc@uok.edu.in

DEPARTMENTAL PUBLICATIONS FROM 2023 ONWARDS

S. No	Title of the Publication	Authors	Journal Name	Impact Factor	Year of Publication
1.	Drought Stress Memory in Maize: Understanding and harnessing the past for future resilience.	Latif Ahmad Peer, Aijaz Ahmad Wani, Zahoor Ahmad, Bilal Ahmad Mir	<i>Plant Cell reports</i>	5.3	2025
2.	Nitric Oxide and Cyanide Enhance Flowering in <i>Lemna gibba</i> through a Stress-Mediated Pathway under Inductive Conditions.	Samvedana Chauhan, Deepshikha Chatterjee, Latif Ahmad Peer, Bilal Ahmad Mir , Shashi B Babbar.	<i>Journal of Plant Growth Regulation</i>	3.9	2025
3.	Salicylic Acid-Triggered Flowering in <i>Lemna gibba</i> : Evidence of a Stress-Mediated Pathway via NO and ROS.	Samvedana Chauhan, Deepshikha Chatterjee, Latif Ahmad Peer, Bilal Ahmad Mir , Shashi B. Babbar.	<i>Journal of Plant Biochemistry and Biotechnology</i>	1.6	2025
4.	Genetic and Molecular Mechanisms of Plant Reproduction in Response to Climate Change: Shaping the Future of Agriculture.	Latif Ahmad Peer & Bilal Ahmad Mir .	<i>The Botanical Reviews</i> .	2.3	2025
5.	Advances in Understanding and Manipulating Self-Incompatibility Mechanisms in Plants: Implications for Crop Improvement and Evolutionary	Latif Ahmad Peer & Bilal Ahmad Mir .	<i>Plant Molecular Biology</i> .	3.9	2025

	Biology.				
6.	Revitalizing Soils: Biochar's Battle Against Heavy Metal Menace in Plants - A Review.	Nahida Rehman Mir, Nitika Kapoor, Bilal Ahmad Mir , Renu Bhardhwaj	<i>Pedosphere</i>	5.2	2025
7.	Effect of halopriming on seed germination performance and early seedling establishment in okra (<i>Abelmoschus esculentus</i> L. Moench) under saline conditions.	Michaël Kenne Fomekong, Elise Fabiola Tchouake Tetang, Carine Nono Temegne, Paul Agendia Atabong, Godswill Ntsefong Ntsomboh, Bilal Ahmad Mir , Emmanuel Youmbi, Libert Brice Tonfack.	<i>Plant Physiology Reports.</i>	1.7	2025
8.	Morphological Characterization and Phenotypic Variability of Common Bean (<i>Phaseolus vulgaris</i> L.) Germplasm Lines from Kashmir. Current	Fayaz, S., Rather, M.A., Lone, A.A., Dar Z.A., Bilal Ahmad Mir , Latif Ahmad Peer.	<i>Agricultural Research Journal.</i>	NA	2025
9.	Alien fora of the Himalayan highlands: naturalised and invasive plants in the Trans Himalayan region of Ladakh, India.	Shabir A. Zargar, Rayees Ahmad Malik, Anzar Ahmad Khuroo, Aijaz Hassan Ganie , Zafar A. Reshi.	<i>Biological Invasions.</i>	2.8	2025
10.	Unravelling the prophylactic anti-inflammatory potential of <i>Koenigia tortuosa</i> through modulation of cytokine levels and inflammatory markers in LPS-induced localized inflammation in Wistar rat models.	Ambreena Farooq, Mudasar Nabi, Khalid Bashir Dar, Syed Ishfa Andrabi, Nuzhat Khursheed, Farhat Jabeen, Showkat Ahmad Dar, Aijaz Hassan Ganie , Abdul Wajid Bhat, Showkat Ahmad Ganie.	<i>Inflammopharmacology.</i>	4.6	2025
11.	Naturalization of three alien plant species in Kashmir Himalaya: taxonomic and ecological aspects.	Shabir A. Zargar, Ruquia Gulzar, Anzar Ahmad Khuroo, Zafar A. Reshi, Aijaz Hassan Ganie . 2025	<i>Plant Biosystems.</i>	1.6	2025
12.	From folklore to pharmacology: A comprehensive review of <i>Phytolacca</i>	Junaid A. Magray, Bilal A. Wani, Aijaz Hasaan Ganie ,	<i>Fitoterapia.</i>	2.50	2025

	<i>acinosa</i> Roxb. A multipurpose medicinal herb.	Roof Ul Qadir, Hanan Javid, Irshad A. Nawchoo.			
13.	Local inventories for effective management of alien species: insights from the alien flora of Jammu, Kashmir, and Ladakh, India.	Shabir A. Zargar, Zafar A. Reshi, Aijaz Hassan Ganie , Harish Chander Dutt, Manzoor A. Shah, Namrata Sharma.	<i>Environ Monit Assess.</i>	3.30	2025
14.	An annotated checklist of flora of Drass valley (Ladakh), India.	Banoo S, Aijaz Hassan Ganie and Anzar A Khuroo.	<i>Phytotaxa</i>	1.18	2025
15.	Individual and interactive effects of ZnO NPs / MnO ₂ NPs and <i>Pseudomonas putida</i> on the bacterial leaf spot disease complex of turnip	Siddiqui Z.A., Khan, M.R. , Aziz, S., Aqib and Singh, A.	<i>Vegetos</i>	0.6	2025
16.	Morphological and genetic diversity of endangered <i>Lavatera cachemiriana</i> populations along an altitudinal gradient of Kashmir Himalayas	Akhter, A, Khan, M. R* , Zargar, S. A, Saggoo, M. I. S and Nawchoo, I. A.	<i>Discover Plants</i>	NA	2025
17.	The Impact of Vehicular Pollution on Soil Health in the Forest Ecosystem of Sonamarg Kashmir Himalayas	Bhat T. A., Mir S. A., Khan, M. R* , Bhat J. I. A., Bashir I., Beigh B. A., Azad H.	<i>Discover Environment</i>	NA	2025
18.	Genetic, molecular and physiological crosstalk during droughttolerance in maize (<i>Zea mays</i>): pathways to resilient agriculture.	Latif A. Peer, Mohd. Y. Bhat, Ajaz A. Lone, Zahoor A. Dar, Bilal Ahmad Mir.	<i>Planta.</i>	3.6	2024
19.	Comprehensive Morphological Characterization of Cowpea (<i>Vigna unguiculata</i> L. Walp.) Genotypes for Enhanced Breeding Programs in Jammu and Kashmir.	Rather, M.A., Lone, A.A., Dar Z.A., Fayaz, S., Bilal Ahmad Mir , Peer, Latif Ahmad Peer.	<i>Agricultural Research Journal.</i>	NA	2024
20.	Medicinal plants of the Himalayan Tral region of Kashmir, India: an ethno botanical study of their diversity, use	Aaqib Maqbool Mir, Bilal Ahmad Mir , Latif Ahmad Peer.	<i>Ethnobotany Research and Applications.</i>	NA	2024

	patterns, and health implications.				
21.	Altitude-dependant influence of <i>Artemisia brevifolia</i> on its Rhizosphere microbiome in Ladakh region of the Western Himalayas.	Manzoor Hussain, Shashi Kiran, Irfan Sayed, Jabeena Khazir, Tariq Maqbool, Mohd Ibrahim, Satwinderjeet Kaur, Bilal Ahmad Mir* , Praveen Rahi.	<i>Rhizosphere.</i>	3.7	2024
22.	Exploring the Therapeutic Potential of Traditional Medicinal Foods in Cancer Treatment: Molecular and Bioactivities.	Kulbhushan Thakur, Tejveer Singh, Deepika Sharma, Nipun Padha, Bilal Ahmad Mir , Atika Chandra, Vijay Rani Rajpal	<i>Current Topics in Medicinal Chemistry.</i>	3.4	
23.	Repurposing of Plant based antiviral molecules for Covid-19 treatment.	Jabeena Khazir, Sajad Ahmed, Rakesh Kr Thakur, Manzoor Hussain, Sumit G Gandhi, Sadhana Babbar, Shabir Ahmad Mir, Nusrat Shafi, Libert Brice Tonfack, Vijay Rani Rajpal, , Bilal Ahmad Mir* , Latif Ahmad Peer	<i>Current Topics in Medicinal Chemistry.</i>	3.4	2024
24.	Traditional uses, phytochemistry, pharmacology, and toxicology of the genus <i>Artemisia</i> L. (<i>Asteraceae</i>): A high value medicinal plant.	Manzoor Hussain, Jabeena Khazir, Rakesh Kr Thakur, Mohammad Imtiyaj Khan, Praveen Rahi, VS Pragadheesh, Satwinderjeet Kaur, Vijay Rani Rajpal, Deepma Sehgal, Soom Nath Raina, Bilal Ahmad Mir* .	<i>Current Topics in Medicinal Chemistry.</i>	3.4	2024
25.	<i>Mentha choujunensis</i> , a new species from Indian Trans-Himalayan region of Ladakh	<i>Aijaz Hassan Ganie, Tajamul Islam, Anzar Ahmad Khuroo, Nazima Rasool, Sakina Banoo, Liyaqat Ali & Zafar A. Reshi</i>	<i>Phytotaxa</i>	1.18	2024
26.	Studies on phyto-ecological attributes and soil parameters of <i>Swertia thomsonii</i> C.B.Clarke assemblages in Kashmir	Bilal A. Wani, Junaid A. Magray, Aijaz Hasaan Ganie , Roof Ul Qadir, Hanan Javid , and Irshad	<i>Nordic Journal of Botany.</i>	0.93	2024

	Himalaya.	A. Nawchoo.			
27.	<i>Mentha choujunensis</i> , a new species from Indian Trans-Himalayan region of Ladakh.	Aijaz Hassan Ganie , Tajamul Islam, Anzar A Khuroo, Nazima Rasool, Sakina Banoo, Liyaqat Ali and Zafar A. Reshi.	<i>Phytotaxa</i>	1.18	2024
	Vegetative propagation of <i>Phytolacca acinosa</i> Roxb. by rhizome cuttings: a step towards conservation and cultivation approach.	Junaid A. Magray, Bilal A. Wani, Hanan Javid, Tajamul Islam, Aijaz H. Ganie , Roof Ul Qadir and Irshad A. Nawchoo.	<i>Front. Conserv. Sci.</i>	0.90	2024
28.	Seed biology imperative for conservation and restoration of <i>Swertia thomsonii</i> C.B. Clarke—an endemic medicinal plant of Himalaya.	Bilal A. Wani, Junaid A. Magray, Aijaz Hasaan Ganie , Roof Ul Qadir, Sufiya Rashid, Hanan Javid , and Irshad A. Nawchoo.	<i>Environ Monit Assess</i>	3.30	2024
29.	Meiotic behavior and its implications on the reproductive success of <i>Arnebia euchroma</i> (Royle ex Benth.) I.M.Johnst. (<i>Boraginaceae</i>), an important medicinal plant of Trans-Himalaya.	Irfan Iqbal Sofi, Shivali Verma, Aijaz Hassan Ganie , Namrata Sharma, Manzoor A. Shah.	<i>Caryologia</i>	2.10	2024
30.	<i>Swertia kashmirensis</i> subsp. <i>darii</i> (<i>Gentianaceae</i>), a new taxon of Swertia from Kashmir Himalaya, India.	Tajamul Islam, Bilal A. Rasray, Anzar Ahmad Khuroo, Aijaz Hassan Ganie , Muzamil Ahmad Mugal, Irshad A. Nawchoo.	<i>Phytotaxa</i>	1.18	2024
31.	Recent Species 'Range Expansion in the Himalayan Highlands: New Distribution Records of Naturalized Alien Plants from Ladakh, India.	Shabir A Zargar, Anzar A Khuroo, Zafar A Reshi, Aijaz Hassan Ganie .	<i>Indian Biology Bulletin</i>	0.50	2024
32.	<i>Artemisia neosinensis</i> B.H. Jiao and T.G. Gao (<i>Asteraceae</i>), a New Addition to Flora of India from and Kashmir.	Liyaqat Ali, Anzar A Khuroo, Aijaz Hassan Ganie , Debabrata Maity.	<i>Indian Biology Bulletin.</i>	0.50	2024
33.	Conservation implications of seed germination studies of <i>Aquilegia fragrans</i>	Irshad Ahmad Bhat, Junaid A Magray, Khushboo Guleria	<i>South African Journal of</i>	3.10	2024

	Benth. A native and endangered medicinal plant species of Kashmir Himalaya.	Mudasir Fayaza, Roof Ul Qadirb, Aijaz Hassan Ganie , Zahoor A Kaloo.	<i>Botany</i>		
34.	Effect of different inocula of <i>Meloidogyne incognita</i> and <i>Pseudomonas syringae</i> pv. <i>aptata</i> on three cultivars of beetroot (<i>Beta vulgaris</i> L.).	Aqib, M. R. Khan , Z. A. Siddiqui	<i>Acta Phytopathologica et Entomologica Hungarica</i>	1.23	2024
35.	Understanding <i>Botrytis cinerea</i> infection and gray mold management: a review paper on deciphering the rose's thorn	Ikram Ullah, Yuan, W, Uzair, M, Khan, M. R. Lak, F, Abbas, A, Gohari, A. M, and Wu, H	<i>Phytopathology Research</i>	3.7	2024
36.	Use of manganese oxide nanoparticle (MnO ₂ NPs) and <i>Pseudomonas putida</i> for the management of wilt disease complex of carrot.	Siddiqui, Z.A., Khan, M.R. , Aziz, S. and Aqib	<i>Experimental Parasitology</i>	1.4	2024
37.	Small Peptide Conjugates of Benzothiazole-2Carboxylic Acids Targeting DprE1 Against Tuberculosis.	Samoon, Rabiya , Shashikanta Sau, Arif Khan, Insha Latief, Nitin Pal Kalia, Malik Zainul Abdin, and Syed Shafi.	<i>Chemistry Select</i>	1.9	2024
38.	Development and Evaluation of Bisbenzothiazoles as a New Class of Benzothiazoles Targeting DprE1 as Antitubercular Agents.	Samoon, Rabiya , Shashikanta Sau, Arnab Roy, Kishan Kumar Parida, Kalicharan Sharma, Prasanna Anjaneyulu Yakkala, Rikeshwer Prasad Dewangan, Malik Zainul Abdin, Nitin Pal Kalia, and Syed Shafi.	<i>ACS Infectious Diseases</i>	4.1	2024
39.	Micropropagation from cotyledonary explants of grapefruit (<i>Citrus paradisi</i> Macf.) by indirect and direct organogenesis.	Darius N Tchoutang, Libert Brice Tonfack, Bilal Ahmad Mir , Emmanuel N Foamouhoue, Emmanuel Youmbi	<i>Cameroon J. Exp. Biol</i>	NA	2023
40.	Phytoliths analysis in root, culm, leaf and synflorescence of <i>Rostraria cristata</i>	Poonam Chowdhary, Mudassir Ahmad Bhat, Abdul Shakoor,	<i>Journal of Plant Research</i>	2.8	2023

	(<i>Poaceae</i>).	Priya Badgal, Amarjit Singh Soodan, Bilal Ahmad Mir*			
41.	Phytolith profiles of <i>Lolium perenne</i> L. from the Kashmir Himalayas.	Poonam Chowdhary, Mudassar Ahmad Bhat, Priya Badgal, Abdul Shakoor, Amarjit Singh Soodan, Bilal Ahmad Mir*	<i>Brazilian Journal of Botany.</i>	1.6	2023
42.	Environmental factors affecting monoterpene emission factors from terrestrial vegetation.	Tanzil Gaffar Malik, Lokesh Kumar Sahu, Mansi Gupta, Bilal Ahmad Mir , Triratnesh Gajbhiye, Rashmi Dubey, Andrea Clavijo McCormick, Sudhir Kumar Pandey	<i>Plants</i>	4.5	2023
43.	Phenolic content, antioxidant and allelopathic potential of <i>Artemisia brevifolia</i> wall ex dc across the elevations of Western Himalayan region of Ladakh.	Manzoor Hussain, Sajad Ahmed, Mohd Ibrahim, Jabeena Khazir, Sheikh Showkat Ahmad, Rakesh Kr Thakur, Renu Bhardwaj, Sumit Gandhi, Latif Ahmad Peer, Satwinderjeet Kaur, Bilal Ahmad Mir*	<i>South African Journal of Botany</i>	3.1	2023
44.	Transcriptome Analysis and Differential Expression in <i>Arabidopsis thaliana</i> in response to rohitukine (a chromone alkaloid) treatment.	Sajad Ahmed, Rekha Chauhan, Alim Junaid, Vijay Lakshmi Jamwal, Jitendra Thakur, Bilal Ahmad Mir , Sumit G. Gandhi*	<i>Functional & Integrative Genomics.</i>	3.6	2023
45.	Interactive effect of 24-epibrassinolide and plant growth promoting rhizobacteria inoculation restores photosynthetic attributes in <i>Brassica juncea</i> L. under chlorpyrifos toxicity.	Palak Bakshi, Pooja Sharma, Rekha Chouhan, Bilal Ahmad Mir , Sumit G. Gandhi, Renu Bhardwaj, Pravej Alam & Parvaiz Ahmad	<i>Environmental Pollution.</i>	8.9	2023
46.	Comprehending the dynamism of B chromosomes in their journey towards becoming unselfish.	Vijay Rani Rajpal, Suman Sharma, Deepmala Sehgal, Prashansa Sharma, Nikita Wadhwa, Priyanka Dhakate,	<i>Frontiers in Cell & Developmental Biology.</i>	5.5	2023

		Atika Chandra, Rakesh Kr Thakur, Sohini Deb, Satyawada Rama Rao, Bilal Ahmad Mir , Soom Nath Raina.			
47.	Prokaryotic communities adapted to microhabitats on the Indian lotus (<i>Nelumbo nucifera</i>) growing in the high-altitude urban Dal Lake.	Diptaraj Chaudhari, Shashi Kiran, Ashish Choudhary, Kris Silveira, Nitin Narwade, Dhiraj Dhotre, Jabeena Khazir, Bilal Ahmad Mir , Yogesh S Shouche & Praveen Rahi	<i>International Microbiology.</i>	3.1	2023
48.	Silicon Supplementation as an Ameliorant of Stresses in Sorghum	Rehman, I., Sheergojri, I. A., War, A. I., Nazir, A., Nazima Rasool , Rashid, I	<i>Silicon</i>	2.8	2023
49.	<i>Artemisia dracunculus</i> subsp. <i>Ladakhensis</i> (<i>Asteraceae</i>), A new subspecies from Ladakh, India	Liyaqat Ali, Anzar Ahmad Khuroo, Aijaz Hassan Ganie and Nazima Rasool	<i>Annals Botanici Fennici</i>	0.6	2023
50.	Habitat suitability, range dynamics, and threat assessment of <i>Swertia petiolata</i> D. Don: a Himalayan endemic medicinally important plant under climate change.	Bilal A. Wani, Sajad A Wani, Junaid A Magray, Rameez Ahmad , Aijaz Hassan Ganie & Irshad A. Nawchoo.	<i>Environmental Monitoring and Assessment.</i>	3.30	2023
51.	Seed ecology enlightens restoration of endemic species: A case study of <i>Actaea kashmiriana</i> from the Himalaya.	Sufiya Rashid, Kausar Rashid, Aijaz Hassan Ganie , Irshad A. Nawchoo and Anzar A. Khuroo.	<i>Ecological Engineering</i>	3.9	2023
52.	Reproductive biology of <i>Actaea kashmiriana</i> , an endemic medicinal plant species from the Himalaya: Implications for conservation and sustainable utilization.	Sufiya Rashid, Kausar Rashid, Bilal A. Wani, Aijaz Hassan Ganie , Irshad A. Nawchoo and Anzar A. Khuroo.	<i>Journal of Applied Research on Medicinal and Aromatic Plants</i>	3.94	2023

53.	Reproductive biology of <i>Trillium govanianum</i> , an endangered plant species endemic to the Himalaya: implications for conservation.	Kausar Rashid, Sufiya Rashid, Aijaz Hassan Ganie , Irshad A. Nawchoo and Anzar A. Khuroo.	<i>Botany Letters</i>	1.74	2023
54.	Phytosociological and edaphic parameters of <i>Actaea kashmiriana</i> assemblages in Kashmir Himalaya.	Sufiya Rashid, Kausar Rashid, Tajamul Islam, Aijaz Hassan Ganie , Irshad A. Nawchoo, Anzar A Khuroo.	<i>Ecologia Sinica</i>	0.93	2023
55.	<i>Oxalis corniculata</i> L. (<i>Oxalidaceae</i>), an addition of an alien plant species to the flora of Ladakh, India.	Shabir A Zargar, Aijaz Hassan Ganie , Zafar A Reshi, Manzoor A shah, Nmrata sharma, Anzar A Khuroo.	<i>Vegetos.</i>	0.47	
56.	Effects of pre-sowing treatments and seed sources on seed germination of <i>Phytolacca acinosa</i> Roxb.	Junaid A. Magray, Bilal A. Wani, Aijaz Hassan Ganie , Roof Ul qadir Irshad A. Nawchoo and Hanan Javid	<i>Journal of Applied Research on Medicinal and Aromatic Plants</i>	3.94	2023
57.	<i>Viola suavis</i> subsp. <i>naqshi</i> : a new taxon from Kashmir Himalaya, India.	Aijaz Hassan Ganie , Tajamul Islam, Anzar A. Khuroo and Bilal A Tali.	<i>Phytotaxa</i>	1.18	2023
58.	Vegetation and soil ecology of threatened Himalayan Trillium habitats in Kashmir Himalaya.	Kausar Rashid, Sufiya Rashid, Tajamul Islam, Aijaz Hassan Ganie , Irshad A. Nawchoo and Anzar A. Khuroo.	<i>Nordic Journal of Botany</i>	0.93	2023
59.	Understanding Reproductive Biology for Realization of Conservation and Sustainable Development of <i>Swertia thomsonii</i> C. B. Clarke-an Endemic Medicinal Plant of Western Himalaya.	Bilal A. Wani, Junaid A. Magray, Aijaz Hasaan Ganie , Roof Ul Qadir, Hanan Javid, and Irshad A. Nawchoo	<i>Journal of Applied Research on Medicinal and Aromatic Plants</i>	3.94	2023

60.	Existence of Two Cytotypes of <i>Peganum harmala</i> L. in Kashmir Himalaya and Ladakh Trans Himalaya of India.	Nida Aslam, Aijaz A Wani, Aijaz Hassan Ganie and Irshad A. Nawchoo.	<i>Cytologia</i>	0.99	2023
61.	Integrating human footprint with ensemble modeling identifies priority habitats for conservation: a case study in the distributional range of <i>Arnebia euchroma</i> , a vulnerable species.	Irfan Iqbal Sofi, Manzoor A. Shah, Aijaz Hassan Ganie .	<i>Environmental Monitoring and Assessment</i> .	3.30	2023
62.	A Review of the Genus <i>Actaea</i> L.: Ethnomedical Uses, Phytochemical and Pharmacological Properties.	Sufiya Rashid, Kausar Rashid, Aijaz Hassan Ganie , Irshad A. Nawchoo, Mudasir A. Tantray and Anzar A Khuroo	<i>Journal of Herbal Medicine</i> .	3.03	2023
63.	<i>Artemisia dracunculus</i> subsp. <i>ladakhensis</i> (<i>Asteraceae</i>), a new subspecies from Ladakh, India.	Liyaqat Ali, Anzar A Khuroo, Aijaz Hassan Ganie , Nazima Rasool.	<i>Annals Botanici Fennici</i>	0.7	2023
64.	Incidence and frequency of desynapsis in <i>Eremurus persicus</i> (Jaub. & Spach) Boiss. (<i>Asphodelaceae</i>) – A native and important medicinal plant species of Western Himalaya.	Shivali Verma, Irfan I. Sofi, Aijaz Hassan Ganie , Manzoor A. Shah, Namrata Sharma.	<i>Caryologia</i>	2.1	2023
65.	Hidden from the harsh: Belowground preformation prior to winter determines life history strategy of a temperate perennial herb.	Kausar Rashid, Sufiya Rashid, Tajamul Islam, Aijaz Hassan Ganie , Irshad A. Nawchoo and Anzar A. Khuroo.	<i>Flora</i>	2.22	2023
66.	An updated checklist of the vascular flora of the TransHimalayan region of Ladakh.	Shabir A Zargar, Aijaz Hassan Ganie , Anzar A Khuroo, Zafar A Reshi, Akhtar H Malik, Sakina Banoo.	<i>Phytotaxa</i>	1.18	2023

67	Comparative efficacy of zirconium dioxide nanoparticles and AM fungus against wilt disease complex of bottle gourd and upregulation of biochemical and physiological processes.	Siddiqui, Z.A. Khan, M.R. and Aqib	<i>International Journal of Vegetable Sciences</i>	1.46	2023
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BOOK CHAPTERS PUBLISHED

S. No.	Title of the book chapter	Authors	Publisher	Year
1.	Gene Editing and Biotechnological Approaches for Improving Salt Tolerance in Crops. In: Swarnendu Roy, Khalid Rehman Hakeem & Piyush Mathur (eds.). Ion Transporters: The clue to salt tolerance and adaptation in plants	Latif Ahmad Peer, Bilal Ahmad Mir , Tariq Bashir Rather.	<i>CRC Press</i>	2025
2.	Siderophores and their Action against Metalloid Toxicity. In: Geetika Sirhindi, Renu Bhardwaj, Nitika Kapoor and Chandra Shekhar Seth (eds.). Metalloids in Biology: From Function to Toxicity.	Roohi Sharma, Deepak Kumar, Parkirti, Nahida Rehman Mir, Manu Sharma, Amandeep Singh, Bilal Ahmad Mir , Puja Ohri, Renu Bhardwaj & Nitika Kapoor	<i>CRC Press</i>	2025
3.	Integrating Multi-Omics Approaches to Unravel the Mysteries Underlying Metalloid Stress in Plants. In: Geetika Sirhindi, Renu Bhardwaj, Nitika Kapoor and Chandra Shekhar Seth (eds.). Metalloids in Biology: From Function to Toxicity.	Nahida Rehman Mir, Roohi Sharma, Amandeep Singh, Manu Sharma, Bilal Ahmad Mir , Kapoor Nitika, Puja Ohri, Renu Bhardwaj, Yogesh K. Ahlawat.	<i>CRC Press</i>	2025
4.	Zinc, nematodes and plant disease: role and regulation. In: Durgesh Kumar Tripathi, Vijay Pratap Singh, Sangeeta Pandey, Shivesh Sharma & D.K. Chauhan (eds.). Zinc in Plants: Current Knowledge and	Kamini Devi, Neerja Sharma, Palak Bakshi, Mohd Ibbrahim, Tamanna Bhardwaj, Kanika Khanna, Nitika Kapoor, Bilal Ahmad Mir , Amritpal Singh,	<i>Elsevier</i>	2024

	Recent Advance.	Puja Ohri, Anket Sharma, Renu Bhardwaj		
5.	Plant Growth-Promoting Rhizobacteria (PGPR): A Credible Tool for Sustainable Agriculture In: Jen-Tsung Chen (Ed.) Molecular and Physiological Insights into Plant Stress Tolerance and Applications in Agriculture.	Tamanna Bhardwaj, Kanika Khanna, Pooja Sharma, Shalini Dhiman, Mohd Ibrahim, Upma Arora, Priyanka Sharma, Indu Sharma, Priya Arora, Ashutosh Sharma, Rupinder Kaur, Bilal Ahmad Mir , Puja Ohri, Renu Bhardwaj	<i>Bentham Science</i>	2024
6.	Signaling Pathways of Gasotransmitters in Heavy Metal Stress Mitigation. In: Tariq Aftab & Francisco J. Corpas (eds.). Gasotransmitters Signaling in Plants under Challenging Environment. Plant in Challenging Environments.	Arun Dev Singh, Kanika Khanna, Jaspreet Kour, Shalini Dhiman, Mohd. Ibrahim, Neeraja Sharma, Indu Sharma, Priyanka Sharma, Bilal Ahmad Mir , Renu Bhardwaj.	<i>Springer Nature</i>	2023
7.	Regulatory role of nitric oxide in plants and its crosstalk with phytohormones. In: Mohd Iqbal R Khan, Noushina Iqbal, Peter Poor, Antonio Ferrante, Vijay Pratap Singh, Durgesh K Tripathi & Vasileios Fotopoulos (eds.). Nitric Oxide in Developing Plant Stress Resilience A volume on Plant Gasotransmitters and Molecules with Hormonal Activity.	Shalini Dhiman, Shalini Dhiman, Jaspreet Kour, Mohd Ibrahim, Tamanna Bhardwaj, Neerja Sharma, Isha Madaan, Anmol Sidhu, Pooja Ohri, Amrit Pal Singh, Geetika Sirhindi, Bilal Ahmad Mir & Renu Bhardwaj	<i>Elsevier</i>	2023
8.	Cross-talk between ROS, RNS, RCS, and RSS in plants under abiotic stresses. In: Mohd Iqbal R Khan, Noushina Iqbal, Peter Poor, Antonio Ferrante, Vijay Pratap Singh,	Shalini Dhiman, Mohd Ibrahim, Kanika Khanna, Tamanna Bhardwaj, Kamini Devi, Indu Sharma, Upma Arora, Bilal	<i>Elsevier</i>	2023

	Durgesh K Tripathi & Vasileios Fotopoulos (eds.). Nitric Oxide in Developing Plant Stress Resilience A volume on Plant Gasotransmitters and Molecules with Hormonal Activity.	Ahmad Mir & Renu Bhardwaj		
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