

3.4.5. Number of books and chapters in edited volumes published per teacher during the last five years (2019-2023).

S. No.	Name of the Teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Whether at the time of publication Affiliating Institution was same	Name of the publisher
1	Irshad A. Nawchoo	Advances in plant nitrogen metabolism	Salicylic acid – A mitigating agent for conferring stresstolerance in plants.	2019	978-9387893818	Yes	Scientific Publishers (India)
2	Inayatullah Tahir	Plant nanobionics	Application of nanoparticles in crop production and protection	2019	978-3-030-16379-2	Yes	Springer, Cham
3	Inayatullah Tahir	Advances in plant physiology	Non-reducing sugars for combating plant abiotic stresses	2019	978-9387893818	Yes	Scientific Publishers Jodhpur, India
4	Riffat John	Senescence signalling and control in plants	Proteolytic processes during leaf senescence	2019	978-0-12-813187-9	Yes	Academic Press
5	Riffat John	Protein modificomics: from modifications to clinical perspectives	Protein modification in plants in response to abiotic stress	2019	978-0-12-811913-6	Yes	Academic Press
6	Zafar A. Reshi, Irfan Rashid	Bioremediation and Biotechnology	Restoration of heavy metal-contaminated environs through ectomycorrhizal symbiosis	2020	978-3-030-48690-7	Yes	Springer, Cham
7	Zafar A. Reshi, Irfan Rashid	Bioremediation and Biotechnology	Global environmental regulations for management of pesticides	2020	978-3-030-40333-1	Yes	Springer, Cham
8	Zafar A. Reshi, Irfan Rashid	Bioremediation and Biotechnology	Role of ectomycorrhizal biotechnology in pesticide remediation	2020	978-3-030-46075-4	Yes	Springer, Cham
9	Ghulam Hassan, Anzar A. Khuroo	Biodiversity of the Himalaya: Jammu and Kashmir State	An introduction to biodiversity of the Himalaya: Jammu and Kashmir state	2020	978-981-32-9174-4	Yes	Springer, Singapore

10	Abdul Hamid Wani, Mohd. Yaqub Bhat	Biodiversity of the Himalaya: Jammu and Kashmir State	Fungal diversity of Kashmir Himalayas	2020	978-981-32-9174-4	Yes	Springer, Singapore
11	Abdul Hamid Wani, Mohd. Yaqub Bhat	Nanobiotechnology in Agriculture, Nanotechnology in the Life Sciences	Role of Nanotechnology in Crop Improvement	2020	978-3-030-39977-1	Yes	Springer Nature
12	Anzar A. Khuroo	Biodiversity of the Himalaya: Jammu and Kashmir State	An updated taxonomic checklist of angiosperms in Jammu and Kashmir state	2020	978-981-32-9174-4	Yes	Springer, Singapore
13	Aijaz A. Wani	Rediscovery of Genetic and Genomic Resources for Future Food Security	Strategies for Conservation of Genetic Resources	2020	978-981-15-0156-2	Yes	Springer, Singapore
14	Irshad A. Nawchoo, Anzar A. Khuroo, Zafar A. Reshi	Biodiversity of the Himalaya: Jammu and Kashmir State	Diversity in medicinal and aromatic flora of the Kashmir Himalaya	2020	978-981-32-9174-4	Yes	Springer, Singapore
15	Anzar A Khuroo	Biodiversity of the Himalaya: Jammu and Kashmir State	An updated checklist of aquatic macrophytes in Jammu and Kashmir state	2020	978-981-32-9174-4	Yes	Springer, Singapore
16	Inayatullah Tahir	The Global Floriculture Industry	Bulbous ornamentals: Role and scope in the floriculture industry	2020	9781003000723	Yes	Apple Academic Press
17	Irshad A. Nawchoo	Plant Micronutrients	A Review of Nutrient Stress Modifications in Plants, Alleviation Strategies, and Monitoring through Remote Sensing	2020	978-3-030-49856-6	Yes	Springer, Cham
18	Anzar A Khuroo,	Biodiversity of the Himalaya: Jammu and Kashmir State	Threatened flora of Jammu and Kashmir State	2020	978-981-32-9174-4	Yes	Springer, Singapore
19	Anzar A Khuroo, Irfan	Ethnobotany and Biodiversity	Contribution to the Flora of Keran Valley in Kashmir	2020	978-9386754653	Yes	Indu Book Services, PVT LTD

	Rashid	Conservation	Himalaya				
20	Irshad A. Nawchoo	Bioremediation and Biotechnology	Impact of Invasive Plants in Aquatic Ecosystems	2020	978-3-030-35691-0	Yes	Springer, Cham
21	Anzar A. Khuroo, Mohd. Yaqub Bhat	Biodiversity of the Himalaya: Jammu and Kashmir State	An updated checklist of bryophytes in Jammu and Kashmir state	2020	978-981-32-9174-4	Yes	Springer, Singapore.
22	Irshad A. Nawchoo	Advances in Plant Nitrogen Metabolism	Biological Nitrogen Fixation: An Overview	2020	9781003248361	Yes	CRC Press
23	Zahoor A. Kaloo	Biodiversity of the Himalaya: Jammu and Kashmir State	Algal diversity in Jammu and Kashmir state	2020	978-981-32-9174-4	Yes	Springer, Singapore
24	Anzar A Khuroo, Irfan Rashid, Ghulam Hassan Dar	Biodiversity of the Himalaya: Jammu and Kashmir State	Biodiversity conservation in Jammu and Kashmir state: current status and future challenges	2020	978-981-32-9174-4	Yes	Springer, Singapore
25	Zafar A. Reshi	Algae	Algae as Miniature Wastewater Scavengers	2020	978-981-15-7518-1	Yes	Springer, Singapore
26	Zafar A. Reshi	Restoration of Wetland Ecosystem: A Trajectory Towards a Sustainable Environment	Carbon sequestration and storage by wetlands: implications in the climate change scenario	2020	978-981-13-7665-8	Yes	Springer, Singapore
27	Anzar A Khuroo, Irfan Rashid	Biodiversity of the Himalaya: Jammu and Kashmir State	An annotated inventory of arboreal flora in Jammu and Kashmir state	2020	978-981-32-9174-4	Yes	Springer, Singapore
28	Riffat John	Saffron: The Age-Old Panacea in a New Light	Saffron—immunity system	2020	978-0-12-818462-2	Yes	Academic Press
29	Irfan Rashid, Zafar A. Reshi	Medicinal and Aromatic Plants	Genome editing: applications for medicinal and aromatic plants	2020	978-0-12-819590-1	Yes	Academic Press
30	Zafar A. Reshi, Manzoor A. Shah	Biodiversity of the Himalaya: Jammu and Kashmir State	Urbanization and its impact on biodiversity in the Kashmir Himalaya	2020	978-981-32-9174-4	Yes	Springer, Singapore
31	Manzoor A. Shah, Zafar A.	Biodiversity of the Himalaya: Jammu and	Aquatic ecosystems of Jammu and Kashmir state	2020	978-981-32-9174-4	Yes	Springer, Singapore

	Reshi	Kashmir State					
32	Inayatullah Tahir	The Global Floriculture Industry: Shifting Directions, New Trends, and Future Prospects	Ornamental Plants: Some molecular aspects	2020	9781003000723	Yes	Apple Academic Press
33	Anzar A. Khuroo, Irshad A. Nawchoo	Ethnobotany and Biodiversity Conservation	Ethno-medicinal Flora of Jammu and Kashmir: Taxonomic diversity and regional distribution	2020	978-9386754653	Yes	Indu Book Service Pvt. Ltd. New Delhi
34	Zafar A. Reshi	Medicinal and Aromatic Plants	Medicinal plants and herbal drugs: An overview	2021	978-3-030-58975-2	Yes	Springer, Cham
35	Zafar A. Reshi, Irfan Rashid	Agricultural Waste	Global scenario of remediation techniques to combat pesticide pollution	2021	9781003105046	Yes	Apple Academic Press
36	Zafar A. Reshi, Irfan Rashid	Freshwater Pollution and Aquatic Ecosystems	Mycoremediation of Pollutants in Aquatic Environments	2021	9781003130116	Yes	Apple Academic Press
37	Zafar A. Reshi, Irfan Rashid	Phytomedicine	Bioprospecting appraisal of Himalayan pindrow fir for pharmacological applications	2021	978-0-12-824109-7	Yes	Academic Press
38	Zafar A. Reshi, Irfan Rashid	Microbiota and Biofertilizers	Root-Associated Ectomycorrhizal Mycobionts as Forest Biofertilizers: Standardized Molecular Methods for Characterization of Ectomycorrhizal Wood	2021	978-3-030-48771-3	Yes	Springer, Cham
39	Zafar A. Reshi, Irfan Rashid	Pesticide Contamination in Freshwater and Soil Environments	Microbiological Aspects of Pesticide Remediation in Freshwater and Soil Environments	2021	9781003104957	Yes	Apple Academic Press
40	Zafar A. Reshi, Irfan Rashid	Microbiota and Biofertilizers	Application of Phyllosphere Microbiota as Biofertilizers	2021	978-3-030-61010-4	Yes	Springer, Cham
41	Zafar A. Reshi	Plant-Microbe	Plant Growth Promoting	2021	9781003106784	Yes	CRC Press

		Dynamics	Rhizobacteria (PGPR): Eco-Friendly Approach for Sustainable Agriculture				
42	Abdul Hamid Wani, Mohd. Yaqub Bhat	Therapeutic mushrooms for diabetes mellitus current evidences and future scope	In vitro evaluation of the antidiabetic efficacy of mushrooms	2021	9781774912225	Yes	Apple Academic press
43	Mohd. Yaqub Bhat, Abdul Hamid Wani	Therapeutic mushrooms for diabetes mellitus current evidences and future scope	Effects of Mushrooms in Gestational Diabetes Mellitus Mushrooms	2021	9781774912225	Yes	Apple Academic press
44	Mohd. Yaqub Bhat, Abdul Hamid Wani, Latif A. Peer	Therapeutic mushrooms for diabetes mellitus current evidences and future scope	Mechanism of Actions of Antidiabetic Mushrooms	2021	9781774912225	Yes	Apple Academic press
45	Anzar A Khuroo, Irfan Rashid	New Vistas in Indian Flora	Alien flora of Indian Himalayan region: Taxonomic, biogeographical and ecological assessment	2021	978-81-94-3323-1-0	Yes	Bishen Singh Mahendra Pal Singh, Dehradun
46	Anzar A Khuroo, Irfan Rashid	Invasive alien species: Observations and issues from around the world	An annotated inventory of invasive alien flora of India	2021	9781119607045	Yes	John Wiley & Sons Ltd
47	Zafar A. Reshi, Irfan Rashid	Phytomedicine	<i>Artemisia amygdalina</i> Decne.: A rich repository of pharmacologically vital phytoconstituents	2021	978-0-12-824109-7	Yes	Academic Press
48	Zafar A. Reshi	Interpreting mountain treelines in a changing world	Patterns of vegetation on the elevational gradient	2021	978 92 9115 723 5	Yes	Central Himalayan Environment Association (CHEA) and International

							Centre for Integrated Mountain Development (ICIMOD)
49	Aijaz A. Wani	Neglected and underutilized crops - towards nutritional security and sustainability	Genetic and Genomic Resources in Rice Bean (<i>Vigna umbellata</i> Thunb.): Availability, Advancements, and Applications	2021	978-981-16-3876-3	Yes	Springer, Singapore
50	Zahoor A. Kaloo	Metabolic engineering in plants	Role of Metabolic Engineering in Enhancing Crop Nutritional Quality	2022	978-981-16-7262-0	Yes	Springer, Singapore
51	Irshad A. Nawchoo, Azra N. Kamili	Core microbiome: Improving crop quality and productivity	Microbiomics and Sustainable Agriculture New Frontiers	2022	9781119830795.00	Yes	John Wiley & Sons Ltd
52	Inayatullah Tahir	Sustainable Agriculture	The use of genomics and precise breeding to genetically improve the traits of agriculturally important organisms	2022	978-3-030-83066-3	Yes	Springer, Cham
53	Anzar A Khuroo, Irfan Rashid, Ghulam Hassan Dar	Biodiversity of the Himalaya: Jammu and Kashmir State	Forest Ecosystems of Jammu and Kashmir State	2022	978-981-32-9174-4	Yes	Springer, Singapore
54	Irshad A. Nawchoo	Bacterial Fish Diseases	Pesticide toxicity and bacterial diseases in fishes	2022	978-0-323-85624-9	Yes	Academic Press
55	Irshad A. Nawchoo	Advances in Plant Nitrogen Metabolism	Role of nitrogen in photosynthesis	2022	9781003248361	Yes	CRC Press
56	Irshad A. Nawchoo	Core Microbiome: Improving Crop Quality and Productivity	Rhizosphere Improvement: Role of Biotechnology and Microbioengineering	2022	9781119830795	Yes	John Wiley & Sons Ltd
57	Manzoor A. Shah	Transforming Agriculture for Self-	Algal Blooms in Dal Lake of Kashmir Himalayan Valley:	2022	9789394023338	Yes	International Books &

		Reliant India	Causes, Impacts and Management Measures				Periodical Supply Service, New Delhi
58	Mohd Yaqub Bhat, Abdul Hamid Wani, Latif A. Peer	Therapeutic Mushrooms for Diabetes Mellitus	Mechanism of Actions of Antidiabetic Mushrooms	2022	9781003332046	Yes	Apple Academic Press
59	Irshad A. Nawchoo	Advances in Plant Nitrogen Metabolism	Assimilation of Nitrates in Plants	2022	9781003248361	Yes	CRC Press
60	Anzar A. Khuroo	Global Plant Invasions	Plant Invasions in Asia	2022	978-3-030-89684-3	Yes	Springer Nature Switzerland
61	Seema Singh	Antidiabetic Potential of Plants in the Era of Omics	Omics Technology in Antidiabetic Plant Research	2022	9781003282860	Yes	Apple Academic Press
62	Anzar A. Khuroo, Irshad A. Nawchoo	Biosystematics and Bioresources	Medicinal flora of Jammu Kashmir and Ladakh Himalayas: Systematic synthesis and conservation prioritization	2022	978-9393628213	Yes	Bishen Singh Mahendra Pal Singh, Dehradun
63	Manzoor A. Shah, Zafar A. Reshi	Edible Plants in Health and Diseases	Cultural and socio-economic perspective of some promising edible plants from Uttarakhand Himalaya	2022	978-981-16-4880-9	Yes	Springer, Singapore
64	Abdul Hamid Wani, Mohd. Yaqub Bhat	Climate change and microbes	Microbial food-borne diseases due to climate change	2022	9781003189725	Yes	Apple Academic Press
65	Irshad A. Nawchoo	Plant Phenolics in Abiotic Stress Management	Crosstalk of Ethylene and Salicylic Acid in the Amelioration of Toxic Effects of Heavy Metal Stress in Mustard	2023	978-981-19-6426-8	Yes	Springer, Singapore
66	Irshad A. Nawchoo	Plant Phenolics in Abiotic Stress Management	Crosstalk of ethylene and salicylic acid in the amelioration of toxic effects of heavy metal stress in mustard	2023	978-981-19-6426-8	Yes	Springer, Singapore