Dolphin PG Institute of Biomedical & Natural Sciences, Dehradun

List of Chapter's contributed in Books

S. No.	Name of Faculty	Department	Title of Book	Editor(s) of the book	Title of Chapter	Publisher	Year	National	International	Hard Copy	e-book	ISBN
	Dobhal R., Kumar A. and Rawat S.	Zoology & Biotechnology	Community-based biodiversity conservation in the Himalayas – India	Gokhale Y. & Negi A.K.	Conservation and Management of Bioresources in Utarakhand India; 1-19.	The Energy and Resource Institute (TERI), New Delhi	2011	National	-	Hard Copy	-	9788179934036
	Biswas Sas	Forestry	Environmental knowledge for disaster risk management	Gupta AK and Nair SS	Invasive alien species- a massive but slow way to catastrophes. 101-105	DRM Secretariat, National Institute of Disaster Management, New Delhi-11002	2011	National	-	Hard Copy	-	-
	Singh B., Tripathi K. P., and Raghuvanshi N.	Botany	Biodiversity Conservation: Fundamentals and applications	Saha H., Ghosh M. L., Gangopadhyay G., Saha D., Singh P. K., Sarker S., Das S. C.	Restoration of sodic land under forest ecosystem, 60-68	Dum Dum Motijheel college (West Bangal State University), Kolkata	2012	National	-	Hard copy	-	978-93-80663-57-9
	Uniyal A. K., Rawat B. S., and Suyal S.	Forestry	Traditional Environmental Knowledge and Biodiversity	Pati R. N., Shukla Shailesh, Chhanza Lawrence	Agro-ecosystem Resource Utilization Pattern along Different Elevational Transects in Central Himalayas.	Sarup Book Publishers PVT. Ltd, New Delhi	2014	National	-	Hard Copy	-	978-81-7625-955-2
	Dhatwalia V. K. & Nanda M.	Biotechnology	Toxicity and Waste Management Using Bioremediation.	Kumar V.	Biodegradation of Phenol: Mechanism and Applications, 198-214.	IGI Global, Hershey, PA, USA	2016	-	International	Hard Copy	-	9781466697348
	Shalini, Tomar K.S.	Biotechnology	Bioremediation: current research and applications	Rathoure A.K.	Bioremediation: Overview and case studies	I. K. International Publishing House Pvt.	2017	National	-	Hard Copy	-	9789385909603

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	Shalini, Tomar K.S.	Biotechnology	Environmental and health Challenges of Uttarakhand	Nand M, Malti P, Chandra S	Plant Conservation Strategies with the use of Biotechnology	LAP LAMBERT Academic Publishing, Saarbrucken, Germany	2017	-	International	-	e-book	978-620-2-02641-3
	Malik Tripti	Microbiology	Examninig the Development, Regulation, and Consumption of functional foods	Benzamin Sailas	Perspective Uses of Essential oils in functional foods and antimicrobial packaging material	IGI Global, Hershey, PA, USA	2017	-	International	Hard Copy	-	978-1-5225-0607-2
	Kumar V. & Nanda M.	Biotechnology	Biostimulation remediation Technologies for Groundwater contaminants	Rathoure A	A promising tool for Remediation of heavy Metals	IGI Global, Hershey, PA, USA	2018	-	International	Hard Copy	-	978-1-5225-4162-2
	Aasheesh Raturi, Vimal Kothiyal, P. D. Semalty	Physics	21st International Nondestructive Testing and Evaluation of Wood Symposium Freiburg, Germany, 2019, Session 4 Wood Material Characterization		FT-NIR Spectroscopic Assessment of Compressive Strength of Wood of Eucalyptus tereticornis	United States Department of Agriculture	2019	-	International	e-copy	-	-
	Sarangi MK, Rao MEB, Parcha V, Yi DK, Nanda SN	Chemistry	Natural Polysaccharides in Drug Delivery and Biomedical Applications	Hasnain MS, Nayak AK	Marine Polysaccharides In Drug Delivery	Elsevier Academic Press	2019	-	International	-	e-book	9780128170557
	Vinod Kumar, Neha Arora, Manisha Nanda, Vikas Pruthi	Biotechnology	Microalgae Biotechnology for Development of Biofuel and Wastewater	Alam Md. Asraful, Wang Zhongming	Different cell disruption and lipid extraction methods from microalgae for biodiesel	Springer Nature	2019	-	International	Hard Copy	-	978-981-13-2263-1

			Treatment		production.							
2019-20												
	Rishendra Kumar, Pankaj Kumar, Anchal Giri	Microbiology	Smart Bioremediation Technologies	Pankaj Bhatt [DIBNS]	Regional impact of psychrophilic bacteria on bioremediation	Elsevier [Academic Press]	2019	-	International	-	e-book	978-0-12-818307-6
	Arun Kumar and Rehab Gani	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	Diversity of Odonata species at Asan conservation reserve (Dehra Dun Valley, Uttarakhand)	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
	Dinesh Kumar Bhardwaj, Irfan Rashid wani, and G R Ganaie	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	Studies on the fish and fisheries of district Kupwara	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
	Shalini Anand and Mohammad Abdul Quyoom	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	Food and Feeding habit of fishes	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
	Beena Joshi Bhatt and Shaista Manzoor	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	A review on study of fish farming practices in Uttarakhand	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
	P K Sehgal, Aafaq Nabi Rather and G M Mir	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	Survey of insects pests associated with field (cereal) crops of Kashmir	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
	Beena Joshi Bhatt and Suhail Ur Rehman	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	Study of the skull of Labedo rohita (Hamilton, 1822) and Cirrhinus mrigala (Hamilton, 1822)	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
	Dinesh Kumar Bhardwaj and Shamim Akhtar	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	Species diversity of entomofauna in a cropland of Selaqui region Dehradun India	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
	Shalini Anand	Zoology	Advances in zoology and applied Sciences	Dr. Beena Joshi Bhatt	Study of physicochemical parameters of Asan river in dehradun	DIBNS	2019	-	National	Hard Copy	-	978-81-907797-0-11
.	V. Singh, D. S. Chauhan and S.	Forestry	Plant science research and	Bent J. Steffensen	Study on seedling population Response to	Nova Science Publishers, Inc	2020	-	International	-	e-book	978-1-53618-026-8

	Dasgupta		practices Quercus Classification, ecology and uses		disturbance of a Garhwal himalayan oak (quercus Leucotrichophora a. Camus) forest							
	Narender Kumar, Ajay Kumar, Gireesh Chand, nd S. K. Biswa	Agriculture	Diseases of Fruits and Vegetable Crops: Recent Management Approaches	Gireesh Chand, Md. Nadeem Akhtar Santosh Kumar,	Diseases of Brinjal (Eggplant) and Their Management-Recent Management Approaches	Apple Academic Press, Inc.,Canada.	2020	-	International	Hard Copy	-	9781771888363
	Malik T, Rawat S	Microbiology	Sustainable Bioeconomy Pathways to Sustainable Development Goals.	V. Venkatramanan, Shachi Shah, Ram Prasad	Biotechnological Interventions for Production of Flavour and Fragrance Compounds	Springer Nature Singapore Pvt. Ltd	2020	-	International	-	e-book	978-981-15-7321-7
	Morajdhwaj Singh,Devesh Nagar andD.C. Kala	Horticulture	Current Research and Innovations in Plant Pathology	Hemant Kumar Singh	Plant growth promoting Rhizo-bacteria (PGPR) and its role in resistance against biotic stresses in plants	Akinik Publications.	2020	National	-	Hard Copy	-	978-93-90846-84-9
2020-21												
	Aashish Raturi	Physiics	Recent Advancements in Sciences with Special Reference to Himalaya	Dr. Alok Sagar Gautam	Nondestructive Assessment of Indian Forest: 134A Physicist View	ANCIENT PUBLISHING HOUSE DELHI-110 053 (INDIA)	2020	National	-	-	e-book	978-93-84866-91-4
	JitendraKumar, Pankaj Kumar, R.K.S. Kushwaha	Microbiology	Biofertilizers Volume 1: Advances in Bio-Inoculants	Amitava Rakshit Vijay Singh Meena Manoj Parihar H.B. Singh A.K. Singh	Significance of keratinophiles in biofertilizer development from keratinous waste: Upcoming perspective.	Elsevier B.V.	2021	-	International	-	e-book	978-0-12-821667-5
	Tripti Malik, Seema Rawat	Microbiology	Bio-valorization of Waste	Shachi Shah, V. Venkatramanan, Ram Prasad	Microbial Valorization of Coir Pith for Development of Compost and Bioethanol	Springer Nature Switzerland AG.	2021	-	International	-	e-book	978-981-15-9696-4

					Production							
	Ganesh Datt Bhatt, Mahesh Singh, Archna Bharti, and Deepali Ran	Zoology	Advances in Environment Engineering and Management Proceedings of the 1st National Conference on Sustainable Management of Environment and Natural Resource Through Innovation in Science and Technology	Nihal Anwar Siddiqui, Kanchan Deoli Bahukhandi, S. M. Tauseef, Nirmala Koranga	Traditional and Modern Agricultural Implements Used in Agro Sciences – A Case Study in the Part of National Capital Region of Uttar Pradesh, India	Springer	2021	-	International	-	e-book	978-3-030-79064-6
	Deepali Rana, S. K. Gupta, and Rahul Rana	Zoology	Advances in Environment Engineering and Management Proceedings of the 1st National Conference on Sustainable Management of Environment and Natural Resource Through Innovation in Science and Technology	Nihal Anwar Siddiqui, Kanchan Deoli Bahukhandi, S. M. Tauseef, Nirmala Koranga	Water Quality Assessment of Streams of Doon Valley Dehradun, Uttarakhand	Springer	2021	-	International	-	e-book	978-3-030-79064-6
2021-22												
	Kanika Issar	Horticulture	Post harvest Handling & processing of common Agricultural products	Dr. Pooja Kaintura	Packaging Material for Agro Products: Importance and application	S. F. Publication, Dehradun	2022	National	-	-	e-book	978-81-939673-4-8
	Deepali Rana, S. K. Gupta Rahul Rana	Zoology	Water Quality Assessment of Streams of Doon	Siddiqui N.A., Bahukhandi K.D., Tauseef	Advances in Environment Engineering and	Springer, Cham	2021	-	International	-	e-book	978-3-030-79064-6

			Valley Dehradun, Uttarakhand	S.M., Koranga N.	Management. Springer Proceedings in Earth and Environmental Sciences.							
	Ganesh Datt Bhatt, Mahesh Singh, Archna Bharti, Deepali Rana	Zoology	Traditional and Modern Agricultural Implements Used in Agro Sciences – A Case Study in the Part of National Capital Region of Uttar Pradesh, India	Siddiqui N.A., Bahukhandi K.D., Tauseef S.M., Koranga N.	Advances in Environment Engineering and Management. Springer Proceedings in Earth and Environmental Sciences.	Springer, Cham	2021	-	International	-	e-book	978-3-030-79064-6
	P K Mishra	Agriculture	Hand Book of General Agriculture	Anil Kumar Chaudhary, R P Maurya, Chandra Singh Chaudhary, Kshitiz Parmar, Vikas Chaudhary	Agronomy	MedTech Science Press	2021	-	International	Hard Copy	-	978-81-952372-6-5
	Singh, N., Kumar, N. and Sonu Kumar	Agriculture	Mass rearing of the *Trichogramma* on *Corcyra cephalonica* eggs.	K. Ghoneim	Advances in Agricultural Entomology	AkiNik Publications, Delhi	2021	National	-	-	-	978-93-91538-37-8
	Kanika Issar	Horticulture	Planta: Research Book Series	Karnatak AK.	Nutrient Requirements in Health and Disease	Plantica Foundation, Dehradun	2022	National	-	-	e-book	978-81-953419-6-2
	Bonnypesh Ch Sangma, Sandhya Goswami, Rashmi T Chamoli, Vikaspal Singh, Anil Kumar Uniyal and Manish Kumar	Forestry	Biodiversity in the servive of mankind	Manju Rani	Indigenous Traditional Medicine Application by Traditional Healers in Garo Hills, Meghalaya, India	Walnut Publications	2022	-	International	-	e-book	978-1-957302-34-8
	Vikaspal Singh, DS Chauhan and S Dasgupta	Forestry	Biodiversity in the servive of mankind	Manju Rani	A Study of Oak Dominant Forest in Garhwal Himalaya Relation to Different Aspects and Altitudes,	Walnut Publications	2022	-	International	-	e-book	978-1-957302-34-8

					Uttarakhand.							
	Brijmohan, Rashmi T Chamoli, Vikaspal Singh, SandhyaGoswami, Anil Kumar Uniyal, Manish Kumar and Manju Rani	Forestry	Biodiversity in the servive of mankind	Manju Rani	Relation of crown competition factor to D.B.H. for open- grown Shorea robusta stand	Walnut Publications	2022	-	International	-	e-book	978-1-957302-34-8
	Renu Dixit, Manju Rani, Rashmi T Chamoli, and Jitendra Kumar	Forestry	Biodiversity in the servive of mankind	Manju Rani	Effect of Pesticides on Plant and Human Health: A Review	Walnut Publications	2022	National	-	-	e-book	978-1-957302-34-8
	Shailja Pant	Microbiology			Detection and Diagnosis of the Novel Corona virus (COVID-19) present and future challenges	Bishon Singh Mahendra Pal Singh, Dehradun	2022	-	International	Hard Copy	-	978-81-943323
	Jitendra Kumar, Pankaj Kumar, R.K.S Kushwaha	Microbiology	Biofertilizers: Advances in Bio-inoculants (Ist volume)	Amitava Rakshit Vijay Meena Manoj Parihar H.B. Singh A.K. Singh	Significance of keratinophiles in biofertilizer development from keratinous waste: Upcoming perspective.	Woodhead Publishing, Elsevier, USA	2021	-	International	-	e-book	978-01-28216-67-5
	Sapna Negi, Pankaj Kumar, Jitendra Kumar, Ajay Singh and Ramesh Chandra Dubey	Microbiology	Rhizosphere Engineering	Ramesh Chandra Dubey and Pankaj Kumar	Indigenous nitrogen fixing microbes engineer rhizosphere and enhance nutrient availability and plant growth	Academic Press, Elsevier, USA	2022	-	International	Hard Copy	-	978-03-23899-73-4
	2022-23											
	Vishal Rajput, Vinod Kumar, M.S. Vlaskin, Manisha Nanda, Monu Verma	Biotechnology	Agriculture Waste Management and Bioresource: The Circular Economy Perspective	Suruchi Singh, Pardeep Singh, Anu Sharma, Moharana Choudhury	Hydrothermal Liquefaction of Waste Agricultural Biomass for Biofuel and Biochar	John Wiley & Sons Ltd.	2022	-	International	e-copy	-	9781119808138

	Rajput, Vishal, Krishna Kumar Jaiswal, Vinod Kumar, Mikhail S. Vlaskin, Manisha Nanda, Sanjay Kumar, and Monu Verma	Biotechnology	Pesticides Bioremediation	Sazada Siddiqui, Mukesh Kumar Meghvansi, Kamal Kishore Chaudhary	Microalgae: A Promising Tool for Pesticide Mitigation in Wastewater	Springer Cham	2022	-	International	e-copy	-	978-3-030-96999-8
	Simmi Goel, Pankaj Kumar, Mukul Sain, Ajay Singh	Microbiology	Food Processing Waste and Utilization Tackling Pollution and Enhancing Product Recovery	Sanju Bala Dhull, Ajay Singh, Pradyuman Kumar	Anaerobic Treatment of Food Processing Wastes and Agricultural Effluents	CRC press	2022	-	International	e-copy	-	9781032062945
	Aahuti Sharma, Pankaj Kumar, Vikas Pahal, Jitendra Kumar & Shiv Shankar Pandey	Microbiology	Plant Microbiome for Plant Productivity and Sustainable Agriculture	Chhabra, S., Prasad, R., Maddela, N.R., Tuteja, N.	Endophytic Phytohormone Production and Utilization of Functional Traits in Plant Growth Promotion	Springer, Singapore	2023	-	International	e-copy	-	978-981-19-5028-5
	Suraj Kumar Parcha, Versha Parcha, Pankaj Bhandari	Pharmaceutical Chemistry & Chemistry	Water Management & Governance	Prof. (Dr.) Anita Rawat Dr. Bhavtosh Sharma Dr. Om Prakash Nautiyal	Water Conservation, Harvesting and Conversion to Portable Drinkable Water	ABS Books, New Delhi	2023	-	International	Hard Copy	-	978-93-94424-71-5
	Dr. Shailja Pant	Microbiology	Water Science and Technology	Prof. (Dr.) Anita Rawat Dr. Bhavtosh Sharma Dr. Om Prakash Nautiyal	Microbiological Aspects of Water Quality Monitoring	ABS Books, New Delhi	2023	-	International	Hard Copy	-	978-93-94424-62-3
	Versha Parcha, Pankaj Bhandari, Sukanya Chhetri,Uday Kumar, and Raju	Pharmaceutical Chemistry & Chemistry	Medicinal Roots and Tuber for Pharmaceutical and other	Rakesh Kumar Bachheti, Archana Bachheti	Chemical Constituents and Medicinal uses of Wasaibi japonica.	Taylor & Francis Group LLC.	2023	-	International	e-copy	-	978-10-03295-037

	Chandra		commercial applications									
	Versha Parcha, Pankaj Bhandari, Sukanya Chhetri, Uday Kumar, and Deepak Kumar	Pharmaceutical Chemistry & Chemistry	Medicinal Roots and Tuber for Pharmaceutical and other commercial applications	Rakesh Kumar Bachheti, Archana Bachheti	A comprehensive review on the medicinal use of Piper methysticum (kava kava)	Taylor & Francis Group LLC.	2023	-	International	e-copy	-	978-10-03295-037
	Bhawana Jangra, Pooja Bhadrecha, Pankaj Kumar, Jitendra Kumar	Microbiology	Plant microbiome for plant productivity and sustainable agriculture	Sagar Chhabra, Ram Prasad, Naga Raju Maddela, Narendra Tuteja	Decoding Beneficial Plant Microbe association with latest techniques for sustainable agriculture	Springer, Singapore	2023	-	International	e-copy	-	978-981-19-5028-5
	Sandeep Kumar, Vineet Kumar Vishnoi, Pankaj Kumar, Ramesh Chandra Dubey	Microbiology	Macrophomina Phaseolina	Pankaj Kumar and Ramesh Chandra Dubey	Survival of Macrophomina phaseolina in plant tissues and soil	Academic Press, Elsevier	2023	-	International	e-copy	-	978-0-443-15443-0
	Harshvardhan Chaudhary, Pankaj Kumar, Ramesh Chandra Dubey	Microbiology	Macrophomina Phaseolina	Pankaj Kumar and Ramesh Chandra Dubey	Mechanism of disease development in host plants by *Macrophomina phaseolina*	Academic Press, Elsevier	2023	-	International	e-copy	-	978-0-443-15443-0
	Sangeeta, Payal Garg and Pankaj Kumar	Microbiology	Small Millets and Pseudo Cereals for Nutritional and Health Security	Gopal Kumar Sharma, Anil Dutt Semwal,Pal Murugan Muthaiah & Janifer Raj Xavier	Barnyard Millet (*Echinocholoa frumentacea*): Chemistry Nutritional Attributes, Processing Innovations, Traditional and Modern Foods and Beverages, Anti-nutrition and Health Benefits	NIPA, New Delhi	2023	-	International	e-copy	-	9789390591633
	Anuj Gupta, Sugandh Chauhan, Sunil Dutt Tyagi, Pankaj Budakoti, Satpal Singh	Agriculture	Advances in Agronomy	Anay Kumar Rawat and Uttam Kumar Tripathi	Mustard Farming in North India	Aiknik Publication, New Delhi	2023	-	International	e-copy	-	978-93-5570-238-8

	M. Valan Arasu, Naif Abdullah Al-Dhabi and Ashok Kumar Singh	Microbiology	Microbial Oxidative Enzymes	Arti Gupta and Pankaj Kumar	Biocatalytic activity of microbial catalases: perspective in industrial waste treatment, biosensor fabrication, food storage and pharmaceutical sectors	De Gruyter	2024	-	International	e-copy	-	9783111062235
	M. Valan Arasu, V. K. Gopalakrishnan, P. Vijayaragavan, M. A. Rathi, Naif Abdullah Al-Dhabi, Ki Choon Choi and Gauri Singh	Microbiology	Microbial Oxidative Enzymes	Arti Gupta and Pankaj Kumar	Microorganisms and their enzymes in carbon storage and control of greenhouse gas emission	De Gruyter	2024	-	International	e-copy	-	9783111062235
	2023-24											
	Shefali Arora, Sukanya Chettri, Versha Parcha, Deepak Kumar	Pharmaceutical Chemistry & Chemistry	Futuristic Trends in Chemical, Material Sciences & Nano Technology	Dr. Mofieed Ahmed, Dr. S. Ellairaja, Dr. S. Ellairaja, Dr. Raghu Patel G R, Dr. Bhuvneshwar Rai	A study of various species and trans-disciplinary promise of callistemon genus	IIP Series, Selfypage Developers Pvt Ltd, India	2024	-	International	e-copy	-	978-93-5747-867-0
	Vikaspal Singh, D S Chauhan, S Dasgupta	Forestry	Futuristic Trends in Agriculture Engineering & Food Sciences		Anthropogenic disturbance and plant diversity in indian -a review	IIP Series, Selfypage Developers Pvt Ltd, India	2024	-	International	e-copy	-	978-93-5747-344-6