

Research Publication Data 2023 –2024							
SN o.	Name of Faculty/Scie ntist	Title of paper	Research Level	Date of Publication	Impact Factor	Name of Publisher	Link of the recognition in UGC
1	Ravi Singh	Genome-wide Identification, characterization, and primer designing of simple sequence repeats across Leguminosae family	International	28-07-2023	3.1	Springer Link	https://doi.org/10.1007/s13205-023-03706-9
2	Ajay Kumar	Algae Polysaccharides (Carrageenan and Alginate)â€™A Treasure-Trove of Antiviral Compounds: An In Silico Approach to Identify Potential Candidates for Inhibition of S1-RBD Spike Protein of SARS-CoV2	International	31-07-2023	0	MDPI	https://doi.org/10.3390/stresses3030039
3	Gayatri Sharma	X-ray and MR Contrast Bearing Nanoparticles Enhance the Therapeutic Response of Image-Guided Radiation Therapy for Oral Cancer	International	19-07-2023	2.8	Saga Journal	https://doi.org/10.1177/15330338231189593
4	Debarati Paul	Novel Microbial Signatures in the Faecal Microbiome Associated with Severe Alcoholic Hepatitis:Â Bacteroides FinegoldiiÂ andÂ Veillonella Dispar	International	03-09-2023		BENTHAMÂ Open	http://dx.doi.org/10.2174/18742858-v17-e230803-2023-7
5	Ajay Kumar	Salinity-Induced Physiochemical Alterations to Enhance Lipid Content in Oleaginous Microalgae Scenedesmus sp. BHU1 via Two-Stage Cultivation for Biodiesel Feedstock	International	11-08-2023	4.5	MDPI	https://doi.org/10.3390/microorga-nisms11082064
6	Ajay Kumar	Paradigm of Well-Orchestrated Pharmacokinetic Properties of Curcuminoids Relative to Conventional Drugs for the Inactivation of SARS-CoV-2 Receptors: An In Silico Approach	International	30-08-2023		MDPI	https://doi.org/10.3390/stresses3030043
7	Deepshikha Katare	The Connection between Chronic Liver Damage and Sporadic Alzheimerâ€™s Disease: Evidence and Insights from a Rat Model	International	29-09-2023	3.33	MDPI	https://doi.org/10.3390/brainsci13101391
8	Ajay Kumar	Promoting plant resilience against stress by engineering root microenvironment with Streptomyces inoculants	International	29-09-2023	6.7	Elsevier	https://doi.org/10.1016/j.micres.2023.127509
9	Ajay Kumar	Advancement of Abiotic Stresses for Microalgal Lipid Production and Its Bioprospecting into Sustainable Biofuels	International	13-09-2023	3.9	MDPI	https://doi.org/10.3390/su151813678

10	Ajay Kumar	Rhizobiome Transplantation: A Novel Strategy beyond Single-Strain/Consortium Inoculation for Crop Improvement	International	11-09-2023	4.5	MDPI	https://doi.org/10.3390/plants12183226
11	Nidhee Chaudhary	Characterization of stress-induced changes in morphological, physiological and biochemical properties of Indian bread wheat (<i>Triticum aestivum</i> L.) under deficit irrigation.	International	04-08-2023	2	Springer	https://doi.org/10.1007/s10722-023-01693-7 .
12	Nidhee Chaudhary	In-silico characterization of a drought stress related WRKY2 transcription factor in wheat crop (<i>Triticum aestivum</i> L.): Study of its physico-chemical properties and structural dynamics.	International	17-08-2023	2	Springer	https://doi.org/10.1007/s10722-023-01706-5
13	Other Biswajit Saha	Comparing Pharmacological Potential of Freshwater Microalgae Carotenoids Towards Antioxidant and Anti-proliferative Activity on Liver Cancer (HUH7) Cell Line	International	18-08-2023	3.09	Springer	https://doi.org/10.1007/s12010-023-04635-2
14	Kumud Bala	Effective Seed Cake Extract of <i>O. sanctum</i> inducing the p53 Dependent Apoptotic Pathway in Oral Cancer Cells	International	12-10-2023	3.4	Taylor & Francis	https://doi.org/10.1080/03639045.2023.2270063
15	Kumud Bala	Novel biogenic silver nanoconjugates of <i>Abrus precatorius</i> seed extracts and their antiproliferative and antiangiogenic efficacies	International	16-10-2023	4.6	Springer Nature	https://doi.org/10.1038/s41598-023-44725-z
16	Kumud Bala	Assessing the potential of rosary pea (<i>Abrus precatorius</i> L.) derived aqueous seed extracts as anticancer agents and their phytoconstituents as COX-2 inhibitor: an in-vitro and in-silico approach	International	30-08-2023	4.4	Taylor & Francis	https://doi.org/10.1080/07391102.2023.2251053
17	Mahjabin	EFFECT OF SEED AGEING ON BIOCHEMICAL COMPOSITION OF RICE VARIETIES	International	01-10-2023		BPAS Publisher	https://doi.org/10.31032/IJBPAS/2023/12.10.7480
18	Mahjabin	Nitrogen Use Efficiency: A Comprehensive Review on Cereals with its Scope of Improvement	International	10-10-2023		Open Excess	https://www.eurchembull.com/uploads/paper/64e389b0770e1d6b803d09c702fed3aa.pdf
19	Sarika Saxena	Identification of G4 motifs of various stem cell markers and their biophysical and biochemical characterization	International	14-10-2023	5.235		https://doi.org/10.1080/07391102.2023.2259478
20	Soom Raina	Ajay Kumar Parida (1963–2022), an eminent plant biotechnologist with a passion for mangrove biology	International	11-09-2023	3.5	Springer	https://doi.org/10.1007/s12298-023-01348-y

21	Ravi Singh	Green Synthesized Nanoparticle-Based Drug Delivery: Recent Trends and Future Prospects	International	19-10-2023	0	Andover House, Andover, MA USA	https://doi.org/10.33218/001c.89165
22	Arindam Pramanik	Recent developments in photodynamic therapy and its application against multidrug resistant cancers	International	24-10-2023	4	IOP Publishing	Amity University Uttar Pradesh, Noida
23	Arindam Pramanik	Photoactive imaging and therapy for colorectal cancer using a CEA-Affimer conjugated Foslip nanoparticle	International	31-10-2023	8.3	Royal Society of Chemistry	https://doi.org/10.1039/D3NR04118B
24	Nahid Siddiqui	Enzyme targeted delivery of sivelestat loaded nanomicelle inhibits arthritic severity in experimental arthritis	International	31-10-2023	6.1	Elsevier	https://doi.org/10.1016/j.lfs.2023.122206
25	V. Pooja	Liver Extracellular Matrix-Based Nanofiber Scaffolds for the Culture of Primary Hepatocytes and Drug Screening	International	17-10-2023	5.39	American Chemical Society	10.1021/acsbmaterials.3c01216
26	Ajay Kumar	Enhancing Biocrust Development and Plant Growth through Inoculation of Desiccation-Tolerant Cyanobacteria in Different Textured Soils	International	07-10-2023	4.5	MDPI	https://doi.org/10.3390/microorganisms11102507
27	Ajay Kumar	Deciphering the antifungal and plant growth-stimulating traits of the stress-tolerant Streptomyces achromogenes subsp. achromogenes strain UMAF16, a bacterium isolated from soils affected by underground	International	03-10-2023	4	Elsevier	https://doi.org/10.1016/j.bcab.2023.102859
28	Puniti Mathur	A systematic pipeline of protein structure selection for computer-aided drug discovery: A case study on T790M/L858R mutant EGFR structures	International	01-10-2023	8	Wiley	https://doi.org/10.1002/pro.4740
29	Devlina Pramanik	Application of sonicated chitosan for the remediation of vat dye bath wash: optimization studies using Box-Behnken model	International	30-10-2023	3.519	Springer	10.1007/s13762-023-05264-2
30	Nahid Siddiqui	Assessment and identification of bioactive metabolites from terrestrial Lyngbya spp. responsible for antioxidant, antifungal, and anticancer activities	International	09-09-2023	2.21	Springer	https://doi.org/10.1007/s42770-023-01111-1
31	Nahid Siddiqui	Highly Biocompatible Smart Injectable Hydrogel for the Management of Rheumatoid Arthritis	International	18-08-2023	5.395	ACS publications	https://doi.org/10.1021/acsbmaterials.3c00514
32	Nahid Siddiqui	Colon-Adhering Delivery System with Inflammation Responsiveness for Localized Therapy of Experimental Colitis	International	27-07-2023	5.395	ACS publications	https://doi.org/10.1021/acsbmaterials.3c00480

33	Soom Raina	Bringing to light the preponderance and origin of spontaneous triploid cytotypes in medicinal <i>Tinospora cordifolia</i> : implications for genetic improvement	International	07-10-2023	1.8	Springer	https://doi.org/10.1007/s13237-023-00437-3
34	Soom Raina	Traditional uses, Phytochemistry, Pharmacology, and Toxicology of the Genus <i>Artemisia</i> L. (Asteraceae): A High-value Medicinal Plant	International	27-09-2023	3.7	Bentham Science Publishers	DOI: 10.2174/1568026623666230914104141
35	Debarati Paul	Unlocking the power of synergy: Cosubstrate and coculture fermentation for enhanced biomethane production	International	17-11-2023	6	Elsevier	https://doi.org/10.1016/j.biombioe.2023.106996
36	Ajay Kumar	From Concept to Reality: Transforming Agriculture through Innovative Rhizosphere Engineering for Plant Health and Productivity.	International	19-11-2023	6.7	Elsevier	https://doi.org/10.1016/j.micres.2023.127553
37	Ajay Kumar	Revealing the Seed Microbiome: Navigating Sequencing Tools, Microbial Assembly, and Functions to Amplify Plant Fitness.	International	19-11-2023	6.7	Elsevier	https://doi.org/10.1016/j.micres.2023.127549
38	Ajay Kumar	Isolation and Phenotypic Microarray Profiling of Different <i>Pseudomonas</i> Strains Isolated from the Rhizosphere of <i>Curcuma longa</i> L.	International	13-11-2023	0	MDPI	https://doi.org/10.3390/stresses3040051
39	Ajay Kumar	Fight against food waste: tackling pre-harvest diseases.	International	09-11-2023	5.2		doi: 10.3389/fmicb.2023.1305400
40	Arindam Pramanik	Synthesis, antimicrobial, anticancer evaluation and molecular docking with Bax and MDM2 of dibromosterculic acid	International	26-12-2023	2.48	Taylor & Francis	https://doi.org/10.1080/14786419.2023.2294107
41	Debarati Paul	Recent advances in the detection of food toxins using mass spectrometry	International	07-12-2023	3.9	ACS Publications	https://doi.org/10.1021/acs.chemrestox.3c00241
42	Rajpal Srivastav	Deciphering the molecular functionality of Cdc45 in replisomal complex.	International	18-01-2024	2.7	Elsevier	https://doi.org/10.1016/j.bbrep.2024.101643
43	Rajeev Kumar	Morpho-physiological and metabolites alteration in the susceptible and tolerant genotypes of sesame under waterlogging stress and post-waterlogging recovery	International	25-01-2024	5	Elsevier	Elsevier
44	Ajay Kumar	Harnessing fungal bio-electricity: a promising path to a cleaner environment	International	30-01-2024	5.2	Frontiers	https://doi.org/10.3389/fmicb.2023.1291904

45	Ravi Singh	Optimization of process parameters using response surface methodology (RSM) for laccase enzyme production using <i>Aspergillus nidulans</i> in solid state fermentation utilizing agro-industrial waste	International	10-01-2024	1.14	ScienceIN	https://pubs.thesciencein.org/journal/index.php/jist/article/view/a777/500
46	Puniti Mathur	Machine Learning, Molecular Docking, and Dynamics-Based Computational Identification of Potential Inhibitors against Lung Cancer	International	17-01-2024	4.1	ACS Publications	https://doi.org/10.1021/acsomega.3c07338
47	Ajay Kumar	Decoding seasonal changes: soil parameters and microbial communities in tropical dry deciduous forests	International	19-02-2024	5.2	Frontiers	https://doi.org/10.3389/fmicb.2024.1258934
48	Susmita Shukla	Impact of sterilant on In vitro seed germination of citrus macroptera montr.: An important measure	National	01-12-2023	0.125	Indian Journal of Agricultural Biochemistry	https://doi.org/10.5958/0974-4479.2023.00029.1
49	Arindam Pramanik	Talnidflumate as a potential supplement in breast cancer treatment?	International	01-02-2024	2.48	Elsevier Inc.	https://doi.org/10.1016/j.ejso.2023.107569
50	Kirti Sharma	Green synthesis of silver nitrate (AgNO ₃) mediated herbal antimicrobial aqueous extracts of Ocimum basilicum (Basil Leaves)	National	26-12-2023		Innovative Publication	http://doi.org/10.18231/j.ijcaap.2023.038
51	Sudeep Bose	Molecular interaction of quercetin and its derivatives against nucleolin in breast cancer:Â in-silicoÂ andÂ in-vitroÂ study	International	28-02-2024	4.4	Taylor and Franchis	https://doi.org/10.1080/07391102.2024.2326668
52	Priyanka Chhabra	Encapsulated iodineâ€“chitosan graphene oxide nanocomposite: fabrication and evaluation for antibacterial activity	International	18-03-2024	2.8	taylor and francis	https://doi.org/10.1080/25740881.2024.2325424
53	Rajpal Srivastav	Unwinding Helicase MCM Functionality for Diagnosis and Therapeutics of Replication Abnormalities Associated with Cancer	International	26-03-2024	4	Springer	https://doi.org/10.1007/s40291-024-00701-5
54	Ajay Kumar	Salicylic acid (SA)-mediated plant immunity against biotic stresses: An insight on molecular components and signaling mechanism	International	09-03-2024	5	Elsevier	https://doi.org/10.1016/j.stress.2024.100427
55	Ajay Kumar	Rice False Smut Pathogen: Implications for Mycotoxin Contamination, Current Status and Future Perspectives	International	20-03-2024	5.2	Frontiers	https://doi.org/10.3389/fmicb.2024.1344831
56	Ajay Kumar	Microbial contribution to the carbon flux in the soil: A literature review	International	25-03-2024	1.9	RBCS	DOI: 10.36783/18069657rbcs20230065

57	Deepshikha Katare	Chemical profiling of endangered Citrus macroptera leaf extracts and evaluation of its cytotoxic activity	International	01-04-2024	0.9	Horizon e-Publishing group	https://doi.org/10.14719/pst.3044
58	Deepshikha Katare	Foresee novel targets for Alzheimer's disease by investigating repurposed drugs	International	01-10-2023	3	Bentham Science	https://doi.org/10.2174/1871527321666220622162622
59	Deepshikha Katare	Analysis of Inhibition Potential of Nimbin and its Analogs against NF- κ B Subunits p50 and p65: A Molecular Docking and Molecular Dynamics Study	International	01-02-2024	2.8	Bentham Science	https://doi.org/10.2174/1871520623666230908101204
60	Girish Sharma	2/1 dose schedule of sunitinib is superior than the 4/2 regimen for the first-line therapy of clear cell metastatic renal cell carcinoma " An Indian experience	International	10-01-2024	1	Wolters Kluwer " Medknow	https://doi.org/10.4103/ijc.IJC_1284_20
61	Girish Sharma	Classical properties of skew Hurwitz series rings	International	01-12-2023	0	University of Guilan	https://doi.org/10.22124/jart.2023.23391.1469
62	Girish Sharma	Sahay's modification of Winter's shunt technique for priapism	International	01-01-2024	1.1	Wolters Kluwer " Medknow	10.4103/iju.iju_407_23
63	Girish Sharma	Buccal mucosal graft ureteroplasty: The new normal in ureteric reconstructive surgery " Our initial experience with the laparoscopic and robotic approaches	International	19-01-2024	0.8	Wolters Kluwer " Medknow	10.4103/jmas.jmas_165_23
64	Nidhee Chaudhary	Bioindustrial applications of thermostable Endoglucanase purified from <i>Trichoderma viride</i> towards the conversion of agrowastes to value-added products	International	05-07-2023	1.6	Elsevier	https://doi.org/10.1016/j.pep.2023.106324
65	Nidhee Chaudhary	In-silico characterization of drought stress related WRKY2 transcription factor in wheat crop (<i>Triticum aestivum</i> L.): study of its physico-chemical properties and structural dynamics	International	17-08-2023	2	Springer	https://doi.org/10.1007/s10722-023-01706-5
66	Nidhee Chaudhary	Characterization of stress-induced changes in morphological, physiological and biochemical properties of Indian bread wheat (<i>Triticum aestivum</i> L.) under deficit irrigation	International	04-08-2023	2	Springer	https://doi.org/10.1007/s10722-023-01693-7
67	V. Pooja	cyp51A mutations, protein modeling, and efflux pump gene expression reveals multifactorial complexity towards understanding <i>Aspergillus</i> section <i>Nigri</i> azole resistance mechanism	International	14-03-2024	4.6	Nature	https://doi.org/10.1038/s41598-024-55237-9

68	V. Pooja	Unveiling the cell wall-targeting mechanisms and multifaceted virulence modulation by a eugenol glycoconjugate against <i>Aspergillus fumigatus</i> : insights from in vitro and in ovo studies	International	11-01-2024	4	Oxford Academic	https://doi.org/10.1093/jambio/txae009
69	Shoma Nandi	Behavioral dualism of endophytes in plant-microbe interaction and their diverse applications-a review	International	01-07-2023	0	Slovak University of Agriculture	https://digitallibrary.aau.ac.ae/handle/123456789/1262
70	Soom Raina	Ajay Kumar Parida (1963–2022), an eminent plant biotechnologist with a passion for mangrove biology	International	01-08-2023	3.5	Springer	https://link.springer.com/article/10.1007/s12298-023-01348-y
71	Soom Raina	Phytotherapeutics in Cancer: From Potential Drug Candidates to Clinical Translation.	International	25-01-2024	3.4	1873-4294	https://doi.org/10.2174/0115680266282518231231075311
72	Soom Raina	Modulation of terpenoid indole alkaloid pathway via elicitation with phytosynthesized silver nanoparticles for the enhancement of ajmalicine, a pharmaceutically important alkaloid	0	27-12-2023	4.3	Springer	https://doi.org/10.1007/s00425-023-04311-z
73	Soom Raina	Phytochemicals for Human Health: The Emerging Trends and Prospects	International	26-02-2024	3.4	Bentham Science Publishers Ltd.	https://doi.org/10.2174/156802662404240226094145
74	Rachana Singh	Sugeno fuzzy inference system modeling and DFT calculations for the treatment of pesticide-laden water by newly developed arginine functionalized magnetic Mn-based metal organic framework	International	01-12-2023	5.8	Springer	https://doi.org/10.1007/s11356-023-30944-4
75	Rachana Singh	Novel acoustic-activated alkali-functionalized <i>Trapa bispinosa</i> peel biochar for green immobilization of chlorpyrifos from wastewater: artificial intelligence modelling and experimental validation	International	01-03-2024	4	Springer	https://doi.org/10.1007/s13399-022-02898-z
76	Archana Tiwari	Sustainable mixotrophic microalgae refinery of astaxanthin and lipid from <i>Chlorella zofingiensis</i>	International	01-11-2023	11.4	ELSEVIER	http://dx.doi.org/10.1016/j.biortech.2023.129635
77	Archana Tiwari	New perspectives of omega-3 fatty acids from diatoms.	International	02-09-2023	4.29	SPRINGER	http://dx.doi.org/10.1007/s43393-023-00202-2
78	Archana Tiwari	Bacterial nanocellulose: Optimized synthesis and biomedical applications	International	01-12-2023	5.9	ELSEVIER	http://dx.doi.org/10.1016/j.indcrop.2023.117589
79	Archana Tiwari	Study of the polysaccharide production by the microalgae <i>C-1509 Nannochloris</i> sp. Naumann.	International	01-12-2023	0	ELSEVIER	http://dx.doi.org/10.1016/j.btre.2023.e00818
80	Archana Tiwari	Towards sustainable diatom biorefinery: Recent trends in cultivation and applications	International	01-12-2023	11.4	ELSEVIER	http://dx.doi.org/10.1016/j.biortech.2023.129905

81	Archana Tiwari	Response of varying combined nutrients on biomass and biochemical composition of marine diatom <i>Chaetoceros gracilis</i> and <i>Thalassiosira weissflogii</i> .	International	01-12-2023	11.4	Elsevier	http://dx.doi.org/10.1016/j.biortech.2023.130274
82	Archana Tiwari	Response of varying combined nutrients on biomass and biochemical composition of marine diatoms <i>Chaetoceros gracilis</i> and <i>Thalassiosira weissflogii</i>	International	01-01-2024	11.4	ELSEVIER	http://dx.doi.org/10.1016/j.biortech.2023.130275
83	Archana Tiwari	Sustainable strategy for enhancing growth of marine diatom and lipid production using RO and AC spent water	International	01-03-2024	4.29	Springer	https://doi.org/10.1007/s43393-024-00242-2
84	Archana Tiwari	Diatom-assisted aquaculture: Paving the way towards sustainable economy.	International	01-01-2024	10.4	WILEY ONLINE LIBRARY	doi:10.1111/raq.12848
85	Archana Tiwari	Role of calcium nutrition in plant Physiology: Advances in research and insights into acidic soil conditions - A comprehensive review	International	01-04-2024	6.5	Science Direct	https://doi.org/10.1016/j.plaphy.2024.108602
86	Archana Tiwari	Application of algae for enhanced plant growth and food productivity.	International	01-02-2024	4.29	Springer	https://doi.org/10.1007/s43393-024-00233-3
87	Deepak Ganjewala	" Screening of Microorganisms Capable of Biotransforming Certain Monoterpenes Using Substrate Toxicity Test."	International	28-02-2024	0.7	JPAM	10.22207/JPAM.18.1.33
88	Deepak Ganjewala	An update on the emerging neuroprotective potential of <i>Moringa oleifera</i> and its prospects in complimentary neurotherapy	International	11-02-2024	0	Elsevier	https://doi.org/10.1016/j.phyplu.2024.100532
89	Sudeep Bose	Cellular Interactions Network in Cancer: Integrative Disease Models	International	17-08-2023	0	Springer	https://doi.org/10.1007/978-981-99-2196-6_43-1
90	Sudeep Bose	Development of an affordable microRNA electrochemical biosensor for identification and monitoring of obstructive sleep apnea and its associated comorbidities	International	25-07-2023	8.4	Elsevier	https://doi.org/10.1016/j.snb.2023.134349
91	Sudeep Bose	Technological evolution in cancer diagnosis and therapeutics	International	24-11-2023	0	Academic Press	https://doi.org/10.1016/B978-0-323-95116-6.00018-9
92	Sudeep Bose	Molecular interaction of quercetin and its derivatives against nucleolin in breast cancer: <i>in-silico</i> and <i>in-vitro</i> study	International	11-03-2024	4.4	Taylor & Fransis	https://doi.org/10.1080/07391102.2024.2326668
93	Other Biswajit Saha	Inhibition of cancer cells by Quinoline-Based compounds: A review with mechanistic insights	International	12-03-2024	3.5	Elsevier	https://doi.org/10.1016/j.bmc.2024.117681

94	Kamal Rawal	In silico Determination of Host-Viral Interaction of Apoptotic Mimicry Pathway Proteins During Hepatitis B Viral Pathogenesis	International	31-07-2023	0	Universitas Gadjah Mada, Faculty of Biology	https://doi.org/10.22146/jtbb.72578
95	Kamal Rawal	Identification and characterization of mobile genetic elements in high-throughput sequencing data using a computational approach	International	01-09-2023	0	AIP Publishing	https://doi.org/10.1063/5.0148307
96	Kamal Rawal	AI-based pipeline for early screening of lung cancer: integrating radiology, clinical, and genomics data	International	14-02-2024	0	Elsevier	https://doi.org/10.1016/j.lansea.2024.100352
97	Aruna Kumar	Wheat BREVIS RADIX (BRX) regulates organ size, stomatal density and enhances drought tolerance in Arabidopsis	International	15-03-2024	6.5	ELSEVIER, Amsterdam, Netherland	https://doi.org/10.1016/j.plaphy.2024.108500
98	Kirti Sharma	Ocimum Basilicum (basil/tulsi): a herbal sustainable treasure and its therapeutic potency	International	23-04-2024	0	MedCrave	DOI: 10.15406/jbmoa.2024.12.00370
99	Nahid Siddiqui	Allele mining for Granule Bound Starch Synthase1 (GBSS1) gene governing amylose content in aromatic rice (Oryza sativa L.) germplasm	International	10-04-2024	1.3	Indian society of Genetics and Plant Breeding	https://www.isgpb.org/journal/index.php/IJGPB/article/view/4055
100	Ajay Kumar	Yeast-Based Solutions in Controlling Plant Pathogens	International	30-04-2024	4	Elsevier	https://doi.org/10.1016/j.bcab.2024.103199
101	Arindam Pramanik	Liposomes to cubosomes: The evolution of lipidic nanocarriers and their cutting-edge biomedical applications	International	14-04-2024	4.7	Americal Chemical Society	https://doi.org/10.1021/acsabm.4c00153
102	Archana Tiwari	Managing municipal wastewater remediation employing alginate-immobilized marine diatoms and silver nanoparticles	International	01-04-2024	4.2	Sage Journals	10.1177/0958305X241246185
103	Navkiran Kaur	Single-cell RNA transcriptomics of peripheral blood mononuclear cells revealed altered gene expressions in monocyte and HLA variations in decompensated liver cirrhosis patients with sepsis	International	01-07-2023	25.7	Science Direct	http://dx.doi.org/10.1016/S0168-8278(23)00764-X
104	Navkiran Kaur	Sacituzumab Govitecan as a Second-Line Treatment in Relapsed/Refractory Metastatic Triple-Negative Breast Cancer Patients: A Systematic Review and Meta-analysis	International	01-01-2024	2.9	SAGE Publications	https://doi.org/10.1177/10600280231164110
105	Praveen Dahiya	Navigating the Post-COVID-19 Immunological Era: Understanding Long COVID-19 and Immune Response	International	26-10-2023	3.2	MDPI	https://doi.org/10.3390/life13112121

106	Praveen Dahiya	Chapter Eleven - Contamination removal from waste water using electrochemical approaches	International	09-04-2024	0	Elsevier	https://doi.org/10.1016/bs.apmp.2023.08.004
107	Praveen Dahiya	Green synthesis of iron-alginate nanoparticle for Taguchi-assisted immobilization of <i>Candida rugosa</i> lipase and its application in the synthesis of butyl butyrate ester	International	04-01-2024	4.4	Elsevier	https://doi.org/10.1016/j.procbio.2024.01.031
108	Subhasha Nigam	Recent advances of nanomaterials for non-steroidal anti-inflammatory drugs removal from wastewater: a critical review	International	08-01-2024	4.3	Springer	https://doi.org/10.1007/s10098-023-02701-1
109	Debarati Paul	Novel Microbial Signatures in the Faecal Microbiome Associated with Severe Alcoholic Hepatitis: <i>Bacteroides Finegoldii</i> and <i>Vellonella Dispar</i>	International	08-03-2023	0	Bentham Science	10.2174/18742858-v17-e230803-2023-7
110	Debarati Paul	Yeast-Mediated Biomass Valorization for Biofuel Production: A Literature Review	International	24-08-2023	3.7	MDPI	https://doi.org/10.3390/fermentation9090784
111	Madhumita Ghosh	Trolox aids coenzyme Q10 in neuroprotection against NMDA induced damage via upregulation of VEGF in rat model of glutamate excitotoxicity	International	04-12-2023	3.4	Elsevier	https://doi.org/10.1016/j.exer.2023.109740
112	Manoranjan Nayak	Hydrothermal liquefaction of freshwater microalgae biomass using Fe ₃ O ₄ nanoparticle as a catalyst	International	16-11-2023	2.9	Taylor and Francis online	https://doi.org/10.1080/15567036.2023.2277892
113	Rachana Sahney	Preparation and characterization of stable biopolymer-based nanogel for studying its application in immobilization of <i>Candida rugosa</i> lipase	International	06-10-2023	3.2	Springer	https://doi.org/10.1007/s00289-023-05009-8
114	Riti Kapoor	Treatment of Direct Red 28 Dye through <i>Phoenix dactylifera</i> L. Fruit Seed Biochar: Equilibrium, Kinetics, Thermodynamics, and Phytotoxicity Studies	International	25-10-2023	3.9	MDPI	https://doi.org/10.3390/su152115266
115	Riti Kapoor	Strigolactones in Plants: From Development to Abiotic Stress Management	International	17-11-2023	4.2	Springer link	https://doi.org/10.1007/s00344-023-11148-z
116	Riti Kapoor	Nitric oxide and hydrogen sulfide alleviates salt incited oxidative stress in <i>Coriandrum sativum</i> L	International	22-10-2023	3.8	Elsevier	https://doi.org/10.1016/j.jksus.2023.102966
117	Subhasha Nigam	influenza vaccine : a review on current scenario and future prospects	International	01-12-2023	3.5	Elsevier	10.1186/s43141-023-00581-y
118	Subhasha Nigam	Antioxidant Activity of Pot Marigold (<i>Calendula officinalis</i> L.) in Response to Metal(loid) Induced Oxidative Stress from Fly Ash Amended Soil	International	30-07-2023	4.8	Springer link	https://doi.org/10.1007/s00344-023-10977-2

119	Abhishek Sengupta	Precision at its Core: Machine Learning-Infused Metabolomics Model for Preterm Birth Prediction in Human	International	23-11-2023	0	IEEE	https://doi.org/10.1109/ICCCNT56998.2023.10307581
120	Abhishek Sengupta	Metagenomic investigation of 16S rRNA marker gene samples to analyze the role of race, ethnicity, and location in preterm birth: A comprehensive vaginal microbiome meta-analysis	International	01-02-2024	0.7	Elsevier	https://doi.org/10.1016/j.humgen.2024.201260
121	Archna	Assessment of Neem (Azadirachta Indica) and Lemongrass (Cymbopogon citratus) Extracts on Meloidogyne incognita	International	25-09-2023	0	Indian Ecological Society	http://dx.doi.org/10.55362/IJE/2023/3872
122	Gayatri Sharma	Whole genome-scale assessment of gene fitness of <i>Novosphingobium aromaticivorans</i> during spaceflight	International	06-12-2023	4.4	BMC Genomics	https://doi.org/10.1186/s12864-023-09799-z
123	Hina Bansal	Genome-wide association studies for earliness, MYMIV resistance, and other associated traits in mungbean (<i>Vigna radiata</i> L. Wilczek) using genotyping by sequencing approach	International	26-01-2024	2.1	PeerJ Hubs	https://doi.org/10.7717/peerj.16653
124	Nahid Siddiqui	α -Terpineol Mitigates Dextran Sulfate Sodium-Induced Colitis in Rats by Attenuating Inflammation and Apoptosis	International	01-08-2023	4.1	ACS Publications	https://doi.org/10.1021/acsomega.3c04317
125	Nahid Siddiqui	Highly Biocompatible Smart Injectable Hydrogel for the Management of Rheumatoid Arthritis	International	18-12-2023	5.8	ACS Publications	https://doi.org/10.1021/acsbiomaterials.3c00514
126	Nahid Siddiqui	Development and evaluation of simple PCR and nested PCR for rapid detection of clarithromycin resistant <i>Helicobacter pylori</i> from culture and directly from the biopsy samples in India	International	09-09-2023	2.2	SpringerLink	https://doi.org/10.1007/s42770-023-01111-1
127	Rajashree Das	Crosstalk between <i>Helicobacter pylori</i> and gastrointestinal microbiota in various gastroduodenal diseases: A systematic review	International	14-08-2023	2.8	Springer	https://doi.org/10.1007/s13205-023-03734-5
128	Rajashree Das	Primary antibiotic resistance of <i>Helicobacter pylori</i> in India over the past two decades: A systematic review	International	28-02-2024	0	John Wiley & Sons Ltd	https://doi.org/10.1111/hel.13057
129	Ritu Chauhan	The impact of geo-political socio-economic factors on vaccine dissemination trends: a case-study on COVID-19 vaccination strategies	International	02-11-2023	4.5	BMC Public Health	https://doi.org/10.1186/s12889-023-17000-z

130	Ritu Chauhan	Imprinting and Reproductive Health: A Toxicological Perspective	International	21-11-2023	5.6	MDPI	https://doi.org/10.3390/ijms242316559
131	Ritu Chauhan	Speculation of Stock Marketing Using Advanced Recursive Techniques	International	01-01-2024	0	IGI Global	http://doi.org/10.4018/IJBDCN.339890
132	Ritu Chauhan	Automatic label curation from large-scale text corpus	International	27-02-2024	1.7	IOP Science	https://dx.doi.org/10.1088/2631-8695/ad299e
133	Ritu Chauhan	Predictive modeling and web-based tool for cervical cancer risk assessment: A comparative study of machine learning models	International	15-03-2024	1.9	Elsevier	https://doi.org/10.1016/j.mex.2024.102653
134	Ritu Chauhan	Cyber awareness among smart device users: an ctive, educational display of IoT device vendors compromise history	International	01-11-2023	3.6	Springer	https://doi.org/10.1007/s11042-023-17520-1
135	Seneha Santoshi	Translational and structural vaccinomics approach to design a multi-epitope vaccine against NOL4 autologous antigen of small cell lung cancer	International	06-07-2023	4.2	Springer Link	https://doi.org/10.1007/s12026-023-09404-1
136	Susmita Shukla	methods of genetic trasnformation : Major emphasis to Crop plants	International	04-12-2023	0	Faculty of Biotechnology and Food Sciences (Slovak University of Agriculture in Nitra)	https://doi.org/10.55251/jmbfs.10276
137	Susmita Shukla	Secondary Metabolite Enhancement Via in Vitro Techniques and its industrial process	International	22-11-2023	0	Springer	https://doi.org/10.1007/978-981-99-4939-7_14
138	Susmita Shukla	Impact of photoperiodism on in vitro propagation of Indigenous Musa	International	01-04-2024	0	International Journal of Horticultural Science and Technology	10.22059/ijhst.2023.358103.634
139	Tanu Allen	Biobased treatment and resource recovery from slaughterhouse wastewater via reutilization and recycling for sustainable waste approach	International	01-02-2024	7	Elsevier	Elsevier
140	Patel Haribhai	Understanding the feasibility of chemotherapeutic and immunotherapeutic targets against non-small cell lung cancers: an update of resistant responses and recent combinatorial therapies	International	10-10-2023	0	Open Exploration	https://doi.org/10.37349/%2Fetat.2023.00171
141	Rajashree Das	Antibiotic susceptibility pattern of Helicobacter pylori against eight antibiotics: A study from North India	International	06-05-2024	4.2	Wiley	https://doi.org/10.1111/hel.13093

142	Rajashree Das	Molecular characterization and phylogenetic analysis of babA gene of Helicobacter pylori isolated from Indian patients with gastrointestinal diseases	International	03-05-2024	3.5	Elsevier	https://doi.org/10.1016/j.gene.2024.148526
143	Rajashree Das	Low abundance of healthy bacteria in the gastric microbiota can be a potential biomarker for gastrointestinal diseases: A pilot study	National	04-04-2024	5.2	wolters kluwer	https://doi.org/10.4103%2Fijmr.ijmr_864_23
144	Rajashree Das	Primary antibiotic resistance of Helicobacter pylori in India over the past two decades: A systematic review	International	28-02-2024	4.2	wiley	https://doi.org/10.1111/hel.13057
145	Rajashree Das	Gastritis in Northeast India and North India: A Regional Comparison of Prevalence and Associated Risk Factors	International	22-03-2024	1.4	wolters kluwer	https://doi.org/10.4103/bbrj.bbrj_41_24
146	Ravi Singh	"A Comprehensive Review of Microplastic Pollution in South Asian Freshwater Environments"	International	01-05-2024	0	Iranian Medical Science	https://www.jchr.org/index.php/JCHR/article/view/4458#:~:text=While%20the%20global%20discourse%20on,
147	Rachana Singh	Enhanced adsorption of Bismark Brown R dye by chitosan conjugated magnetic pectin loaded filter mud: A comprehensive study on modeling and mechanisms	International	01-06-2024	8.2	Elsevier	https://www.sciencedirect.com/science/article/pii/S0141813024027922
148	Rachana Singh	Micro and nanoplastics pollution: sources, distribution, uptake in plants, toxicological effects, and innovative remediation strategies for environmental sustainability	International	05-06-2024	6.5	Elsevier	https://www.sciencedirect.com/science/article/pii/S0981942824004637
149	Rachana Singh	Comprehensive journey from past to present to future about seed priming with hydrogen peroxide and hydrogen sulfide concerning drought, temperature, UV and ozone stresses-a review	International	25-01-2024	4.9	Springer	https://link.springer.com/article/10.1007/s11104-024-06499-9
150	Banashree Bondhopadhyay	The differential effect of the immune system in breast cancer	International	29-12-2023	1.7	Open Exploration	https://www.explorationpub.com/Journals/em/Article/1001197
151	Abha Kumari	"Technological insights into lutein isolation from marigold flower and their diverse applications: a compendious review"	International	15-04-2024	7.7	Springer	https://doi.org/10.1007/s11101-024-09959-3

152	Abha Kumari	Isolation, Characterization, and Expression Analysis of NAC Transcription Factor from <i>Andrographis paniculata</i> (Burm. f.) Nees and Their Role in Andrographolide Production	International	28-03-2024	3.5	MDPI	https://doi.org/10.3390/genes15040422
153	Abha Kumari	Latest Developments and Applications of Nanotechnology in Agriculture Sector: A Review, <i>Agricultural Reviews</i> , <i>A</i>	International	27-10-2023	0	Indian Journal.com	https://www.indianjournals.com/ijor.aspx?target=ijor:ar&volume=44&issue=3&article=001#:~:text=A%20hu
154	Manoranjan Nayak	Biosorption performance and mechanism insights of live and dead biomass of halophilic <i>Bacillus altitudinis</i> strain CdRPSD103 for removal of Cd(II) from aqueous solution	International	10-05-2024	4.8	Elsevier	https://doi.org/10.1016/j.ibiod.2024.105811
155	Manoranjan Nayak	Developing biomass augmentation strategy for cultivation of <i>Marvania coccoides</i> using fruit waste and wastewater-based growth medium for biodiesel production	International	29-05-2024	11.4	Elsevier	https://doi.org/10.1016/j.biortech.2024.130911
156	Sumit Kumar	"Editorial: Adaptation of halophilic/halotolerant microorganisms and their applications"	International	22-08-2023	5.2	Lausanne: Frontiers Media S.A.	https://www.frontiersin.org/journals/microbiology/articles/10.3389/fmicb.2023.1252921/full
157	Nidhee Chaudhary	Non-Receptor type Protein Tyrosine phosphatases and their role in controlling pathways related to Hepatocellular Carcinoma	International	24-02-2024	2.837	Bentham Science	doi: 10.2174/0113892010288624240213072415
158	Panda Kumari	Exploring the glycaemic impact and culinary qualities of rice through Genome-Wide Association Studies on starch composition and viscosity profiles.	International	01-03-2024	5.2	Elsevier	https://doi.org/10.1016/j.fbio.2024.103919 .
159	Panda Kumari	Potential role of post-harvest management in agribusiness	International	24-05-2024		EDP Sciences	https://www.bio-conferences.org/articles/bioconf/pdf/2024/29/bioconf_icrahor2024_04001.pdf
160	Panda Kumari	Digital Agriculture: Integration of Big Data and Precision Technology for Crop-Improvement	International	01-06-2024	0.783		https://jchr.org/index.php
161	Kumud Bala	Exploring TLR signaling pathways as promising targets in cervical cancer: The road less traveled.	International	12-01-2024	6.8	Elsevier	https://europepmc.org/article/med/38663961
162	Ajay Kumar	Integration of Horse Manure Vermicompost Doses and Arbuscular Mycorrhizal Fungi to Improve Fruit	International	21-05-2024	4.5	MDPI	https://doi.org/10.3390/plants13111449

		Quality, and Soil Fertility in Tomato Field Facing Drought Stress					
163	Ajay Kumar	Synergistic impact of <i>Serendipita indica</i> and <i>Zhihengliuella</i> sp. ISTPL4 on the mitigation of arsenic stress in rice	International	29-05-2024	5.2	Frontiers	https://doi.org/10.3389/fmicb.2024.1374303
164	Ajay Kumar	Jasmonic Acid (JA) in Plant Immune Response: Unravelling Complex Molecular Mechanisms and Networking of Defence Signalling Against Pathogens	International	09-05-2024	4.8	Springer	https://doi.org/10.1007/s00344-024-11264-4
165	Devalina Ray	Michael reaction in organocascade catalysis: A powerful tool for creating architectural complexity in the construction of medicinally privileged heterocyclic scaffolds	International	24-04-2024	12.6	Taylor & Francis	https://doi.org/10.1080/01614940.2024.2320802
166	Ravi Singh	"A Comprehensive Review of Microplastic Pollution in South Asian Freshwater Environments"	International	01-05-2024	NA	Iranian Medical Science	https://www.jchr.org/index.php/JCHR/article/view/4458#:~:text=While%20the%20global%20discourse%20on,
167	Ravi Singh	Eco-Friendly Production and In-Vitro Assessment of Antibacterial Iron Nanoparticles Synthesized from <i>Achyranthes aspera</i> Leaf Extract: A Comprehensive Characterization Study	International	01-05-2024	0	International Scientific Organization	https://www.iscientific.org/4-ijcbs-24-25-19-4/
168	Smriti Shrivastava	Analysis of nutritional composition in opaque2-and crtRB1-based single-and double-biofortified super sweet corn	International	11-05-2024	2.4	Springer	https://link.springer.com/article/10.1007/s13353-024-00873-0#citeas
169	Shagnika Das	Acute and multigenerational toxicity of polylactic acid microplastics on a copepod bioindicator	International	15-05-2024	15.75	Springer	https://doi.org/10.1007/s10311-024-01747-x
170	Shagnika Das	Potable water boiling can induce havoc in the water quality management arena due to the presence of microplastics	International	29-05-2024	0	Elsevier, Science direct	https://doi.org/10.1016/j.clwat.2024.100019
171	Sarika Saxena	Why to target G-quadruplexes using peptides: Next-generation G4-interacting ligands	International	29-10-2023	2.4	John Wiley and Sons Ltd	https://www.scopus.com/record/display.uri?eid=2-s2.0-85153610342&origin=resultlist
172	Sarika Saxena	Identification of G4 motifs of various stem cell markers and their biophysical and biochemical characterization	International	09-09-2023	5.235	Taylor and Francis Ltd.	https://www.scopus.com/record/display.uri?eid=2-s2.0-85174157994&origin=resultlist

173	Sarika Saxena	Targeting G4 motifs of various stem cell makers with designed peptide for therapeutic applications.	International	01-05-2024	2.6	Springer Nature	https://www.scopus.com/record/display.uri?eid=2-s2.0-85191791633&origin=resultslist
174	Apekshita Singh	RAPD and Agro-Morphological Traits-Based Fingerprinting for Detection of Genetic Divergence in Indian Black Rice	International	16-03-2024	4.8	Elsevier	https://www.sciencedirect.com/science/article/pii/S1672630824000222
175	Ajay Kumar	Cadmium content, metabolite profile, biological properties of Eclipta alba (L.) Hassk plant exposed to elevated cadmium in soil	International	16-06-2024	4.5	Elsevier	https://doi.org/10.1016/j.envexpbot.2024.105865
176	Ajay Kumar	Decoding the molecular mechanism underlying salicylic acid (SA)-mediated plant immunity: an integrated overview from its biosynthesis to the mode of action	International	18-06-2024	6.4	Wiley	https://doi.org/10.1111/ppl.14399
177	Ajay Kumar	PGPR-Enabled Bioremediation of Pesticide and Heavy Metal-Contaminated Soil: A Review of Recent Advances and Emerging Challenges.	International	25-06-2024	8.1	Elsevier	https://doi.org/10.1016/j.chemosphere.2024.142678
178	Ajay Kumar	Decoding the molecular mechanism underlying salicylic acid (SA)-mediated plant immunity: an integrated overview from its biosynthesis to the mode of action	International	18-06-2024	6.4	Wiley	https://doi.org/10.1111/ppl.14399
179	Ajay Kumar	The role of microbial seed endophytes in agriculture: mechanisms and applications.	International	23-06-2024	1.6	springer	https://doi.org/10.1007/s42976-024-00543-1
180	Panda Kumari	Impact of Air Pollution on Plant Physiology and Ecosystem Health	International	01-04-2024	0.783	Islamic Azad University	https://jchr.org/index.php/JCHR/article/view/5144/3274
181	Rajashree Das	"High prevalence of cagA positive Vac A s1m1 Helicobacter pylori strains isolated from patients suffering from various gastroduodenal diseases in Guwahati, Assam, India"	International	04-06-2024	0.8	Wolters Kluwer - Medknow	https://pubmed.ncbi.nlm.nih.gov/38847212/
182	Rajashree Das	"Alteration of gastric microbiota in Helicobacter pylori-infected individuals suffering from GERD, DU, and gastritis"	International	04-06-2024	0.8	Wolters Kluwer - Medknow	https://pubmed.ncbi.nlm.nih.gov/38847202/
183	Rajashree Das	"Aging-related Alterations in Gastric Microbiota: A Potential Contributor to Gastrointestinal Diseases"	International	18-06-2024		Wolters Kluwer - Medknow	https://journals.lww.com/jpdt/fulltext/2024/03020/aging_related_altérations_in_gastric_microbiota__a

184	Dr Kirti Rani Sharma	Different electrode system based electrochemical aptasensor for the detection of dengue virus antigen in human serum: A comparative study	International	17th July 2024		KeAI publication house, China	https://doi.org/10.1016/j.sintl.2024.100285
185	Ajay Kumar	From orchard to table: Significance of fruit microbiota in postharvest diseases management of citrus fruits	International	01-07-2024	5.6	Elsevier	https://doi.org/10.1016/j.foodcont.2024.110698 rg/10.1016/j.envexpbot.2024.105865
186	Ajay Kumar	Combined Application of Biostimulants and EDTA Improved Wheat Productivity under Cadmium Stress	International	13-07-2024	1.3	Tech Science press	10.32604/phyton.2024.050974
187	Ajay Kumar	Morpho-anatomical studies of family lamiaceae species of district Lahore, Punjab: a revision to flora of Pakistan	International	15-07-2024	5.2	Springer	
188	Dr. Arindam Pramanik	Recent Advancements in the Application of Circulating Tumor DNA as Biomarkers for Early Detection of Cancers	International	01-07-2024	5.4	American Chemical Society (ACS)	https://doi.org/10.1021/acsbiomaterials.4c00606
189	Devlina Pramanik	Removal of malachite green from an aqueous environment using chitosan-xanthan gum coagulation system: A response surface methodology approach	International	31.07.2024	6.3	Elsevier	Devlina Das Pramanik, Pratham Garg, Divya Ganesan, Arindam Pramanik,
190	Dr. Rajeev Kumar	Deciphering the frontiers of stem cell research in regenerative medicine.	International	11-07-2024	2.3	ScienceIN Publishing	https://pubs.thesciencein.org/journal/index.php/cbl/article/view/a673/601
191	Dr. Rajeev Kumar	Parthenium hysterophorus: Unveiling Harmful Impacts, Beneficial Potentials, and Novel Management Approaches.	International	18-06-2024	0.22	Islamic Azad University	https://www.jchr.org/index.php/JC/HR/article/view/5450/3433
192	Dr. Dibyakanti Mandal	Nucleoside and non-nucleoside reverse transcriptase inhibitor drugs (NRTIs and NNRTIs) are capable of binding Chandipura virus polymerase protein (L) and inhibit virus replication	National	8th Jly 2024	1.3	Springer Nature	https://link.springer.com/article/10.1007/s13337-024-00883-w
193	Dr. Biswajit Saha	Exploring cutting-edge approaches in plastic recycling for a greener future	International	13-08-2024	102724	Elsevier	https://doi.org/10.1016/j.rineng.2024.102704
194	Dr Rajpal Srivastav	Exploring the Potential of Ellagic Acid in Gastrointestinal Cancer Prevention: Recent Advances and Future Directions	International	31-08-2024	3.2	Springer	https://doi.org/10.1007/s40487-024-00296-1

195	Dr Rajpal Srivastav	Precision nutrition-based strategy for management of human diseases and healthy aging: current progress and challenges forward.	International	08-08-2024	4	Frontiers	10.3389/fnut.2024.1427608
196	debarati paul	Yeast for the Production of Biochemicals and Biofuels	international	30-08-2024	3.8	MDPI	https://doi.org/10.3390/fermentation10090451
197	Dr Kirti Rani Sharma	Notch sight review on use of antimicrobial nano preparations as immunity agro-booster for production of diseased free Solanum tuberosum crop plant	International	8th August 2024	NA	MedCrave Publication Group	1. DOI: 10.15406/jbmoa.2024.12.00374
198	Dr Kirti Rani Sharma	Insights of antimicrobials and their clinical implications	International	30th August 2024	NA	MedCrave Publication Group	DOI: 10.15406/jbmoa.2024.12.00376
199	Dr. V. Pooja	Integrating In-silico and In-vitro approaches to identify plant-derived bioactive molecules against spore coat protein CotH3 and high affinity iron permease FTR1 of Rhizopus oryzae	International	23-08-2024	4.8	Elsevier	https://doi.org/10.1016/j.crmicr.2024.100270

Book / Book Chapter Published 2023 –2024								
SN o.	Name of Faculty/Scientist	Title of Book Chapter	Title of the Book	Book/Book Chapter	Research Level	Date of Publication	Name of Publisher	Link of the recognition in UGC
1	Navkiran Kaur	Structuring Inflammasome-Epigenome – Phenotypic Axis in Gynecological Cancers	Handbook of Oncobiology: From Basic to Clinical Sciences.	Book Chapter	International	24-07-2023	Springer Singapore	https://doi.org/10.1007/978-981-99-2196-6
2	Arindam Pramanik	Lipid-based nanomaterials as phototheranostic agents"	Organic Nanomaterials for Cancer Phototheranostics.	Book Chapter	International	01-09-2023	Elsevier - Woodhead Publishing	Doi yet to get activated: DOI: https://doi.org/10.1016/B978-0-323-95758-8.00005-8 https://shop.
3	Mahjabin	Biogas production using waste water: Methodologies and applications	Advances in Chemical Pollution, Environmental Management and Protection	Book Chapter	International	18-08-2023	Elsevier	https://doi.org/10.1016/bs.apmp.2023.08.005
4	Ajay Kumar	" Omics Technologies in the Plant – Microbe Interactions"	Microbial Biocontrol: Molecular Perspective in Plant Disease Management	Book Chapter	International	01-12-2023	Springer	10.1007/978-981-99-3947-3_13
5	Ajay Kumar	NA	Microbial Biocontrol: Molecular Perspective in Plant Disease Management	Book	International	01-12-2023	Springer	https://doi.org/10.1007/978-981-99-3947-3
6	Ajay Kumar	Microbial bioremediation – A sustainable technique of pollution abatement	Microbiome-Assisted Bioremediation: Rehabilitating Agricultural Soils	Book Chapter	International	31-01-2024	Elsevier	https://doi.org/10.1016/B978-0-443-21911-5.00004-0
7	Ajay Kumar	Microbial surfactant role in environment management and contribution in circular economy	The Potential of Microbes for a Circular Economy	Book Chapter	International	25-01-2024	Elsevier	https://doi.org/10.1016/B978-0-443-15924-4.00005-9
8	Ajay Kumar	Development of microbial biotechnology products for phytopathogen management	The Potential of Microbes for a Circular Economy	Book Chapter	International	25-01-2024	Elsevier	https://doi.org/10.1016/B978-0-443-15924-4.00013-8
9	Ajay Kumar	Precision biotechnology using beneficial microbes as a	The Potential of Microbes for a Circular Economy	Book Chapter	International	25-01-2024	Elsevier	https://doi.org/10.1016/B978-0-443-15924-4.00001-1

		fundamental approach to the circular economy						
10	Ajay Kumar	Book	The Potential of Microbes for a Circular Economy	The Potential of Microbes for a Circular Economy	International	25-01-2024	Elsevier	https://doi.org/10.1016/S2468-9289(24)00007-8
11	Ajay Kumar	Membrane processes for wastewater treatment	Advances in Chemical Pollution, Environmental Management and Protection	Book Chapter	International	12-01-2024	Elsevier	https://doi.org/10.1016/bs.apmp.2023.08.001
12	Ajay Kumar	Tools and techniques used for the characterization of wastewater	Advances in Chemical Pollution, Environmental Management and Protection	Book Chapter	International	12-01-2024	Elsevier	https://doi.org/10.1016/bs.apmp.2023.07.002
13	Ajay Kumar	Chapter Sixteen - Incorporation of nanotechnology in wastewater remediation: Advancement and challenges	Advances in Chemical Pollution, Environmental Management and Protection	Book Chapter	International	12-01-2024	Elsevier	https://doi.org/10.1016/bs.apmp.2023.08.006
14	Ajay Kumar	Chapter Twelve - Innovative strategies: Combining treatments for advanced wastewater purification	Advances in Chemical Pollution, Environmental Management and Protection	Book Chapter	International	12-01-2024	Elsevier	https://doi.org/10.1016/bs.apmp.2023.08.007
15	Ajay Kumar	.	Sustainable Agricultural Practices	.	International	04-03-2024	Elsevier, Academic Press	https://doi.org/10.1016/C2022-0-00947-8
16	Rachana Singh	Role of biochar and modified biochar for effective removal of heavy metals	Integrative Strategies for Bioremediation of Environmental Contaminants	Book Chapter	International	04-08-2023	Elsevier	https://doi.org/10.1016/B978-0-443-14013-6.00006-8
17	Rachana Singh	Nanomaterials for efficient removal of heavy metals	Advances in Chemical Pollution, Environmental Management and Protection	Book Chapter	International	21-09-2023	Elsevier	http://dx.doi.org/10.1016/bs.apmp.2023.08.008
18	Archana Tiwari	Diatom Biogenic Silica for Drug-Delivery Applications.	Diatoms Biotechnology	Book Chapter	International	01-08-2023	CRC Press	http://dx.doi.org/10.1201/9781003436553-1
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20	Archana Tiwari	Diatoms: Ecology and Biotechnological Applications.	Diatoms: Ecology and Biotechnological Applications.	BOOK	International	14-09-2023	CRC Press	https://doi.org/10.1201/9781003322115
21	Archana Tiwari	Diatoms Biotechnology	Diatoms Biotechnology	BOOK	International	31-10-2023	CRC Press	http://dx.doi.org/10.1201/9781003436553
22	Ajay Kumar	Microbiome-Based Decontamination of Environmental Pollutants	Microbiome-Based Decontamination of Environmental Pollutants	Book	International	05-04-2024	Elsevier, Acedemic Press	https://doi.org/10.1016/C2023-0-00021-8
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24	Ajay Kumar	" Omics Technologies in the Plant-Microbe Interactions"	Microbial Biocontrol: Molecular Perspective in Plant Disease Management	Book Chapter	International	01-12-2023	Springer	10.1007/978-981-99-3947-3_13
25	Ajay Kumar	Microbial Biocontrol: Molecular Perspective in Plant Disease Management	Microbial Biocontrol: Molecular Perspective in Plant Disease Management	Book	International	01-12-2023	Springer	https://doi.org/10.1007/978-981-99-3947-3
26	Amit Chaurasia	Advances in Fuel Cell Technologies for Hydrogen Production.	In Hydrogen Fuel Cell Technology for Mobile Applications, pp. 111-133. IGI Global, 2023.	Book Chapter	International	06-07-2023	IGI Global USA	DOI: 10.4018/978-1-6684-6721-3.ch005
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30	Hina Bansal	Elucidation of omics approaches and computational techniques for wastewater treatment: A deep insight	Clean Technologies Towards a Sustainable Future: Physicochemical, Biochemical and Biotechnological Approaches	Book Chapter	International	15-12-2023	IWA Publishing	https://doi.org/10.2166/9781789063783

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37	Navkiran Kaur	Structuring Inflammasome-Epigenome Phenotypic Axis in Gynecological Cancers.	Handbook of Oncobiology: From Basic to Clinical Sciences	Book Chapter	International	24-07-2023	Springer, Singapore.	https://doi.org/10.1007/978-981-99-2196-6_25-2
38	Riti Kapoor	Bioremediation Technologies : For Wastewater and Sustainable Circular Bioeconomy	Bioremediation Technologies : For Wastewater and Sustainable Circular Bioeconomy	Book	International	06-07-2023	Walter de Gruyter GmbH & Co KG	https://doi.org/10.1515/9783111016825
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61	Sumit Kumar	Adaptation of halophilic/halotolerant microorganisms and their applications	Adaptation of halophilic/halotolerant microorganisms and their applications	Book	International	01-09-2023	Lausanne: Frontiers Media SA	https://www.frontiersin.org/research-topics/39278/adaptation-of-halophilichalotolerant-microorganism
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63	Ajay Kumar	Biocontrol Agents for Improved Agriculture	Biocontrol Agents for Improved Agriculture	book	International	05-02-2024	Elsevier	https://doi.org/10.1016/C2022-0-01735-9
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67	Devalina Ray	"Multicomponent reaction strategy to heterocyclic compounds in anticancer drug design and derivatization of pharmaceutically significant heterocycles"	Green Approaches in Medicinal Chemistry for Sustainable Drug Design: Application	Book Chapter	International	05-07-2024	Elsevier	1. https://doi.org/10.1016/B978-0-443-16166-7.00024-4
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