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1	Insights into the culturable fungal endophytes of <i>Dioscorea bulbifera</i> L. in terms of their diversity, antidiabetic and antioxidant activity	South African Journal of Botany	2024	0
2	A systematic review on ethnobotany, phytochemistry and pharmacology of <i>Dioscorea bulbifera</i> L. (Dioscoreaceae).	South African Journal of Botany	2024	1
3	Green synthesis and biological evaluation of glaucanic acid and dihydrocompactin acid by endophytic fungus <i>Penicillium polonicum</i> from <i>Zingiber officinal</i>	Natural Product Research	2024	0
4	Comparative analysis of miRNA expression profiles in flowering and non-flowering tissue of <i>Crocus sativus</i> L	Protoplasma	2024	2
5	Gene clustering and co-expression analysis for the identification of putative transcription factors associated with the genes of secondary metabolic pathways in <i>Plantago ovata</i> Forsk. and its wild allies	Plant Biotechnology Reports	2024	1
6	<i>Sniffing out</i> adulteration in saffron: Detection methods and health risks.	Food control	2024	14
7	Insights into microRNA-mediated interaction and regulation of metabolites in tomato	Plant Biology	2023	1
8	Fungal endophyte bioinoculants as a green alternative towards sustainable agriculture	Heliyon	2023	14
10	Avirulence (Avr) genes in fungal pathogen <i>Venturia inaequalis</i> , a causal agent of scab disease on apple trees	Physiological and Molecular Plant Pathology	2023	1
11	Antagonistic, plant growth promoting and extracellular hydrolytic enzyme activity of fungal endophytes of <i>Dioscorea bulbifera</i> L.	Biocatalysis and Agricultural Biotechnology	2023	11
12	Cytogenetic diversity in Scilloideae (Asparagaceae): a comprehensive recollection and exploration of karyo-evolutionary trends	The Botanical Review	2023	10
13	Cost-effective Whole Exome Sequencing discovers pathogenic variant causing Neurofibromatosis type 1 in a family from Jammu and Kashmir, India	Scientific Reports	2023	1
14	Potential of Medicinal Mushrooms in Human Health and Welfare: An Overview	Mushrooms with Therapeutic Potentials: Recent Advances in Research and ...	2023	1
15	Recent Strategies to Engineer Alkaloid Biosynthesis in Medicinal Plants	Medicinal Plants: Their Response to Abiotic Stress	2023	4

16	Relationship of MTHFD1 G1958A and CBS 844ins68 polymorphism with congenital heart defects in North Indian population (Jammu and Kashmir): A case-control study	Indian Journal of Medical Sciences	2023	1
17	Allium cytogenetics: a critical review on the Indian taxa	Comparative Cytogenetics	2023	0
18	Dissecting the genome, secretome, and effectome repertoires of <i>Monilinia</i> spp.: The causal agent of brown rot disease: A comparative analysis	Postharvest Biology and Technology	2023	10
13	Diversity and biological activity of fungal endophytes of <i>Zingiber officinale</i> Rosc. with emphasis on <i>Aspergillus terreus</i> as a biocontrol agent of its leaf spot.	Biocatalysis and Agricultural Biotechnology	2022	20
14	Synthesis of 14-deoxy-benzylidene-8,17-epoxy-diene-andrographolide derivatives and evaluation of their anticancer activities	Journal of Indian Chemical Society	2022	2
15	Insights into the culturable fungal endophytes of <i>Dioscorea bulbifera</i> L. in terms of their diversity, antidiabetic and antioxidant activity	<u>Indian Journal of Biochemistry and Biophysics (IJBB)</u>	2022	0
16	Transcriptome-wide identification of squalene epoxidase genes from <i>Glycyrrhiza glabra</i> L.: expression analysis and heterologous expression of GgSQE1 suggest important role in terpenoid biosynthesis	Protoplasma	2021	9
17	In vitro Antioxidant, Antimutagenic and Anti-hemolytic Potency of Allyl Isothiocyanate: A Natural Molecule	Journal of Biologically Active Products from Nature	2021	1
18	Comparative transcriptome mining for terpenoid biosynthetic pathway genes in wild and cultivated species of <i>Plantago</i>	Protoplasma	2021	6
19	Endophytic Fungi-Mediated Biocatalysis and Biotransformations Paving the Way Toward Green Chemistry.	Frontiers in Bioengineering and Biotechnology	2021	28
20	Engineering host microbiome for crop improvement and sustainable agriculture.	Frontiers in Microbiology	2021	78
21	Neurotoxic Medicinal Plants of Indian Himalayan Regions: An Overview.	Medicinal Herbs and Fungi	2021	4
22	Neurotoxic Potential of Alkaloids from Thorn Apple ( <i>Datura stramonium</i> L.): A Commonly Used Indian Folk Medicinal Herb. pp. 391-420. Springer, Singapore.	Medicinal Herbs and Fungi,	2021	12
23	Development of a system for efficient callus production, somatic embryogenesis and gene editing using CRISPR/Cas9 in Saffron ( <i>Crocus sativus</i> L.)	Plant Methods	2020	31
24	Tissue-specific transcriptional regulation and metabolite accumulation in tomato ( <i>Solanum lycopersicum</i> L.).	Protoplasma	2020	9

25	Plant carotenoid cleavage oxygenases: structure–function relationships and role in development and metabolism	Briefings in functional genomics	2020	37
26	Transcriptome analysis of Snow Mountain Garlic for unraveling the organosulfur metabolic pathway.	Genomics	2020	21
27	Genetic Diversity in Rosaceous Fruits of Jammu and Kashmir State: Apple, Apricot, and Almond	Biodiversity of the Himalaya: Jammu and Kashmir State, •Springer	2020	6
28	Characterization and overexpression of sterol $\Delta$ 22-desaturase, a key enzyme modulates the biosyntheses of stigmasterol and withanolides in <i>Withaniasomnifera</i> (L.) Dunal	Plant Sciences	2020	13
29	Assessment of Apple ( <i>malus</i> × <i>Domestica</i> Bark.) Germplasm of Kashmir Using RAPD Markers	International Journal of Fruit Science,	2020	2
30	Preliminary pollen analysis of some apple cultivars in Kashmir: Towards understanding the apple pollen morphology	Proceedings of the National Academy of Sciences, India	2020	8
31	Understanding rare genetic diseases in low resource regions like Jammu and Kashmir–India	Frontiers in genetics	2020	40
32	Immunophenotyping using Flowcytometry for B-Chronic Lymphocytic Leukemia (B-CLL): A Case Study from J&K.	Annals of the Romanian Society for Cell Biology	2020	0
33	A genetic analysis identifies a haplotype at adiponectin locus: Association with obesity and type 2 diabetes	Scientific Reports	2020	36
34	A Comprehensive Transcriptome-Wide Identification and Screening of WRKY Gene Family Engaged in Abiotic Stress in <i>Glycyrrhiza glabra</i>	Scientific Reports	2020	38
35	Carbohydrate modifications of Neoandrographolide for improved reactive oxygen species-mediated apoptosis through mitochondrial pathway in colon cancer.	ACS omega	2019	12
36	Identification and in silico characterization of cis-acting elements of genes involved in carotenoid biosynthesis in tomato	3 Biotech9	2019	20
37	Identification and expression profiling of miRNAs in two color variants of carrot ( <i>Daucuscarota</i> L.) using deep sequencing.	PLoS One	2019	26
38	Comparative expression analysis of flavonoid biosynthesis genes in vegetative and reproductive parts of medicinally important plant, <i>Plantagoovata</i> Forssk.	Industrial Crops and Products	2019	13
39	Origin, behaviour, and transmission of B chromosome with special reference to <i>Plantagolagopus</i> .	<i>Genes</i>	2019	23
40	Metabolic engineering strategies for enhancing the production of bio-active compounds from medicinal plants. pp. 287-316. Springer, Singapore.	In Natural bio-active compounds	2019	35
41	Transcript profiling of carotenoid/apocarotenoid biosynthesis genes during corm development of saffron ( <i>Crocussativus</i> L.).	Protoplasma	2019	15
42	Epigenetic Response of Plants to Abiotic Stress: Nature, Consequences and Applications in Breeding.	Genetic Enhancement of Crops for Tolerance to	2019	3

		Abiotic Stress: Mechanisms and Approaches		
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<b>44</b>	Diversity and bioactive potential of culturable fungal endophytes of medicinal shrub <i>Berberisaristata</i> DC.: a first report.	Mycobiology	2018	<b>30</b>
<b>45</b>	Camphor sulphonic acid mediated quantitative 1, 3–diol protection of major Labdane diterpenes isolated from <i>Andrographispaniculata</i> .	Natural product research	2018	<b>5</b>
<b>46</b>	"Identification and characterization of some putative genes involved in arabinoxylan biosynthesis in <i>Plantagoovata</i> ." .	3 Biotech8	2018	<b>8</b>
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<b>48</b>	Unfolding the Role of Rhizomicrobiome Toward Sustainable Agriculture.	In Root Biology	2018	<b>12</b>
<b>49</b>	Retraction: Male Meiotic Behavior of Apple Germplasm in Kashmir: Towards Understanding the Evolution of Apple	Cytologia	2018	<b>5</b>
<b>50</b>	Antiproliferative effect of saffron and its constituents on different cancerous cell lines	Pharmacognosy Research	2018	<b>9</b>
<b>51</b>	Replication of MACF1 gene variant rs2296172 with type 2 diabetes susceptibility in the Bania population group of Punjab, India.	International Journal of Diabetes in Developing Countries	2018	2
<b>52</b>	A comprehensive review of the pharmacological potential of <i>Crocus sativus</i> and its bioactive apocarotenoids	Biomedicine & Pharmacotherapy	2018	<b>19</b> <b>8</b>