

Arun Kumar Jugran

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,682
citations

304701

22
h-index

302107

39
g-index

54
all docs

54
docs citations

54
times ranked

1921
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Potential of Î±- and Î²-Pinene: A Miracle Gift of Nature. <i>Biomolecules</i> , 2019, 9, 738.	4.0	302
2	Cucurbits Plants: A Key Emphasis to Its Pharmacological Potential. <i>Molecules</i> , 2019, 24, 1854.	3.8	106
3	Characterization of essential oil composition, phenolic content, and antioxidant properties in wild and planted individuals of <i>Valeriana jatamansi</i> Jones. <i>Scientia Horticulturae</i> , 2012, 136, 61-68.	3.6	85
4	<i>Nepeta</i> species: From farm to food applications and phytotherapy. <i>Trends in Food Science and Technology</i> , 2018, 80, 104-122.	15.1	83
5	Association of ISSR markers with some biochemical traits of <i>Valeriana jatamansi</i> Jones. <i>Industrial Crops and Products</i> , 2013, 44, 671-676.	5.2	67
6	Assessment of Antioxidant Properties in Fruits of <i>Myrica esculenta</i> : A Popular Wild Edible Species in Indian Himalayan Region. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-8.	1.2	65
7	Impact of Altitudes and Habitats on Valerenic Acid, Total Phenolics, Flavonoids, Tannins, and Antioxidant Activity of <i>Valeriana jatamansi</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 911-926.	2.9	62
8	Cucurbita Plants: From Farm to Industry. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3387.	2.5	60
9	Diabetes and plant-derived natural products: From ethnopharmacological approaches to their potential for modern drug discovery and development. <i>Phytotherapy Research</i> , 2021, 35, 223-245.	5.8	60
10	<i>Valeriana jatamansi</i> : An herbaceous plant with multiple medicinal uses. <i>Phytotherapy Research</i> , 2019, 33, 482-503.	5.8	58
11	Plants of the genus <i>Vitis</i> : Phenolic compounds, anticancer properties and clinical relevance. <i>Trends in Food Science and Technology</i> , 2019, 91, 362-379.	15.1	56
12	Assessing genetic diversity and population structure of sugarcane cultivars, progenitor species and genera using microsatellite (SSR) markers. <i>Gene</i> , 2020, 753, 144800.	2.2	50
13	In vitro propagation, genetic and phytochemical assessment of <i>Habenaria edgeworthii</i> : an important <i>Astavarga</i> plant. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 869-875.	2.1	47
14	Patterns of morphological and genetic diversity of <i>Valeriana jatamansi</i> Jones in different habitats and altitudinal range of West Himalaya, India. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2013, 208, 13-21.	1.2	47
15	<i>Berberis</i> Plants – Drifting from Farm to Food Applications, Phytotherapy, and Phytopharmacology. <i>Foods</i> , 2019, 8, 522.	4.3	46
16	<i>Anacardium</i> Plants: Chemical, Nutritional Composition and Biotechnological Applications. <i>Biomolecules</i> , 2019, 9, 465.	4.0	42
17	Antioxidant, Antimicrobial, and Anticancer Effects of <i>Anacardium</i> Plants: An Ethnopharmacological Perspective. <i>Frontiers in Endocrinology</i> , 2020, 11, 295.	3.5	41
18	<i>Hedychium spicatum</i> : a systematic review on traditional uses, phytochemistry, pharmacology and future prospectus. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 687-712.	2.4	32

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19	Assessment of Nutritional and Antioxidant Potential of Selected Vitality Strengthening Himalayan Medicinal Plants. <i>International Journal of Food Properties</i> , 2014, 17, 703-712.	3.0	31
20	Prosopis Plant Chemical Composition and Pharmacological Attributes: Targeting Clinical Studies from Preclinical Evidence. <i>Biomolecules</i> , 2019, 9, 777.	4.0	30
21	Anti-oxidant and anti-microbial properties of some ethno-therapeutically important medicinal plants of Indian Himalayan Region. <i>3 Biotech</i> , 2016, 6, 154.	2.2	28
22	Genetic Diversity and Differentiation in <i>Hedychium spicatum</i> , a Valuable Medicinal Plant of Indian Himalaya. <i>Biochemical Genetics</i> , 2011, 49, 806-818.	1.7	23
23	Identification of ISSR markers associated with valerenic acid content and antioxidant activity in <i>Valeriana jatamansi</i> Jones in the West Himalaya. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	20
24	Population Genetic Structure and Marker Trait Associations Using Morphological, Phytochemical and Molecular Parameters in <i>Habenaria edgeworthii</i> a Threatened Medicinal Orchid of West Himalaya, India. <i>Applied Biochemistry and Biotechnology</i> , 2017, 181, 267-282.	2.9	20
25	Characterization of Agro-diversity by Seed Storage Protein Electrophoresis: Focus on Rice Germplasm from Uttarakhand Himalaya, India. <i>Rice Science</i> , 2010, 17, 122-128.	3.9	17
26	Micropropagation and genetic fidelity analysis in <i>Valeriana jatamansi</i> Jones. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2015, 2, 15-20.	1.5	17
27	Essential oil composition, phenolics and antioxidant activities of <i>Valeriana jatamansi</i> at different phenological stages. <i>Plant Biosystems</i> , 2021, 155, 891-898.	1.6	17
28	Essential oil composition and antioxidant activity in <i>Valeriana jatamansi</i> Jones: influence of seasons and growing sources. <i>Journal of Essential Oil Research</i> , 2017, 29, 101-107.	2.7	15
29	In vitro approaches for conservation and reducing juvenility of <i>Zanthoxylum armatum</i> DC: an endangered medicinal plant of Himalayan region. <i>Trees - Structure and Function</i> , 2017, 31, 1101-1108.	1.9	15
30	The effect of inoculation with mycorrhiza: AM on growth, phenolics, tannins, phenolic composition and antioxidant activity in <i>Valeriana jatamansi</i> Jones. <i>Journal of Soil Science and Plant Nutrition</i> , 2015, , 0-0.	3.4	14
31	Antioxidant potential of family Cucurbitaceae with special emphasis on <i>Cucurbita</i> genus: A key to alleviate oxidative stress-mediated disorders. <i>Phytotherapy Research</i> , 2021, 35, 3533-3557.	5.8	14
32	Effect of Processing and Storage Methods on the Nutritional, Anti-nutritional, and Anti-oxidant Properties of <i>Paeonia emodi</i> , Wall. ex. Royle. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 322-337.	2.9	13
33	Influence of the growth phenophases on the phenolic composition and anti-oxidant properties of <i>Roscoea procera</i> Wall. in western Himalaya. <i>Journal of Food Science and Technology</i> , 2018, 55, 578-585.	2.8	12
34	Genetic diversity analysis in natural populations of <i>Roscoea procera</i> Wall. from West Himalaya, India. <i>Revista Brasileira De Botanica</i> , 2016, 39, 621-630.	1.3	10
35	Methyl jasmonate induced polyphenols and antioxidant production in callus suspension culture of <i>Nardostachys jatamansi</i> . <i>Plant Biosystems</i> , 2020, 154, 851-859.	1.6	10
36	Genetic Diversity Assessment of <i>Valeriana Jatamansi</i> Jones Using Microsatellites Markers. <i>Current Science</i> , 2015, 109, 1273.	0.8	10

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37	Morphological, phytochemical and genetic diversity of threatened <i>Polygonatum verticillatum</i> (L.) All. populations of different altitudes and habitat types in Himalayan region. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1795-1809.	3.1	9
38	Rejuvenating ecosystem services through reclaiming degraded land for sustainable societal development: Implications for conservation and human wellbeing. <i>Land Use Policy</i> , 2022, 112, 105804.	5.6	9
39	Hydrogen Peroxide Induced Deoxyribonucleic Acid Damage Preventive Activity of Selected <i>Valeriana</i> Species from West Himalaya. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017, 87, 59-65.	1.0	6
40	Effects of genetic diversity and population structure on phenolic compounds accumulation in <i>Hedychium spicatum</i> . <i>Ecological Genetics and Genomics</i> , 2017, 3-5, 25-33.	0.5	6
41	Seasonal Variation in Phenolics and Antioxidant Activity of <i>Acorus calamus</i> Linn.: An Important Medicinal Plant of Himalaya. <i>The National Academy of Sciences, India</i> , 2021, 44, 13-15.	1.3	6
42	Integrated approaches for identification of promising populations of <i>Valeriana jatamansi</i> in West Himalaya. <i>Journal of Asia-Pacific Biodiversity</i> , 2016, 9, 152-159.	0.4	4
43	Total Phenolics, Tannins and Antioxidant Activity in Twenty Different Apple Cultivars Growing in West Himalaya, India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 71-78.	1.0	4
44	Genetic Diversity of Scanty Available Himalayan <i>Saussurea obvallata</i> (DC.) Edgew.. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2020, 44, 587-594.	1.5	4
45	The Relationship of Visiting Insect Diversity and Density of <i>Valeriana jatamansi</i> with Increasing Altitude in Western Himalaya. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019, 89, 371-378.	1.0	3
46	Policy implications of utilizing indigenous tree species as agroforestry systems in Himalayan states of India: Case study of Uttarakhand. <i>Energy Policy</i> , 2017, 110, 202-209.	8.8	2
47	Ecological variables influencing the diversity and distribution of macrolichens colonizing <i>Quercus leucotrichophora</i> in Uttarakhand forest. <i>Journal of Mountain Science</i> , 2018, 15, 307-318.	2.0	2
48	Genetic Diversity Assessment of <i>Valeriana Jatamansi</i> Jones Using Microsatellites Markers. <i>Current Science</i> , 2015, 109, 1273.	0.8	1
49	Genetic variations and population level admixture assessment for conservation planning of endangered <i>Zanthoxylum armatum</i> DC. in Western Himalaya. <i>Genetic Resources and Crop Evolution</i> , 2022, 69, 1737-1752.	1.6	1
50	Cultivation and Utilization of <i>Valeriana jatamansi</i> Jones for Conservation Planning and Management. <i>Sustainable Development and Biodiversity</i> , 2021, , 113-178.	1.7	0
51	Morphological and Elemental Parameters of Himalayan Peony (<i>Paeonia emodi</i>) a Medicinal Plant in Relation to Different Forests of Garhwal Himalaya, India. <i>Indian Forester</i> , 2022, 148, 45.	0.1	0
52	Assessment of genetic diversity, population structure and phytochemical variations in <i>Polygonatum cirrhifolium</i> (Wall.) Royle: an endangered medicinal herb. <i>Genetic Resources and Crop Evolution</i> , 2022, 69, 2383-2397.	1.6	0