

S Ignacimuthu

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363
papers

11,382
citations

54
h-index

89
g-index

375
ext. papers

13,256
ext. citations

3.6
avg, IF

6.69
L-index

#	Paper	IF	Citations
363	Mechanisms of plant defense against insect herbivores. <i>Plant Signaling and Behavior</i> , 2012 , 7, 1306-20	2.5	846
362	In vitro antibacterial activity of some plant essential oils. <i>BMC Complementary and Alternative Medicine</i> , 2006 , 6, 39	4.7	468
361	Medicinal plants used by traditional healers in Kancheepuram district of Tamil Nadu, India. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2006 , 2, 43	3.9	320
360	Cinnamaldehyde--a potential antidiabetic agent. <i>Phytomedicine</i> , 2007 , 14, 15-22	6.5	271
359	Antimicrobial activity of some ethnomedicinal plants used by Paliyar tribe from Tamil Nadu, India. <i>BMC Complementary and Alternative Medicine</i> , 2006 , 6, 35	4.7	219
358	Traditional knowledge of Kani tribals in Kouthalai of Tirunelveli hills, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , 2005 , 102, 246-55	5	170
357	Screening of 34 Indian medicinal plants for antibacterial properties. <i>Journal of Ethnopharmacology</i> , 1998 , 62, 173-82	5	156
356	Ethnobotanical survey of medicinal plants commonly used by Kani tribals in Tirunelveli hills of Western Ghats, India. <i>Journal of Ethnopharmacology</i> , 2011 , 134, 851-64	5	145
355	Facile one-pot synthesis of novel dispirooxindole-pyrrolidine derivatives and their antimicrobial and anticancer activity against A549 human lung adenocarcinoma cancer cell line. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 1839-45	2.9	138
354	Antibacterial activity of some folklore medicinal plants used by tribals in Western Ghats of India. <i>Journal of Ethnopharmacology</i> , 2000 , 69, 63-71	5	137
353	Ethnobotanical survey of folk plants for the treatment of snakebites in Southern part of Tamilnadu, India. <i>Journal of Ethnopharmacology</i> , 2008 , 115, 302-12	5	135
352	Petroleum and polycyclic aromatic hydrocarbons (PAHs) degradation and naphthalene metabolism in <i>Streptomyces</i> sp. (ERI-CPDA-1) isolated from oil contaminated soil. <i>Bioresource Technology</i> , 2012 , 112, 83-90	11	132
351	Chemopreventive potential of beta-Sitosterol in experimental colon cancer model--an in vitro and In vivo study. <i>BMC Complementary and Alternative Medicine</i> , 2010 , 10, 24	4.7	128
350	Antibacterial and antifungal activity of Flindersine isolated from the traditional medicinal plant, <i>Toddalia asiatica</i> (L.) Lam. <i>Journal of Ethnopharmacology</i> , 2009 , 123, 494-8	5	117
349	Ethnobotanical investigations among tribes in Madurai District of Tamil Nadu (India). <i>Journal of Ethnobiology and Ethnomedicine</i> , 2006 , 2, 25	3.9	114
348	Role of salicylic acid in induction of plant defense system in chickpea (<i>Cicer arietinum</i> L.). <i>Plant Signaling and Behavior</i> , 2011 , 6, 1787-92	2.5	106
347	Antidiabetic and antilipidemic effect of eremanthin from <i>Costus speciosus</i> (Koen.)Sm., in STZ-induced diabetic rats. <i>Chemico-Biological Interactions</i> , 2009 , 182, 67-72	5	102

346	Gallic acid attenuates high-fat diet fed-streptozotocin-induced insulin resistance via partial agonism of PPAR α in experimental type 2 diabetic rats and enhances glucose uptake through translocation and activation of GLUT4 in PI3K/p-Akt signaling pathway. <i>European Journal of Pharmacology</i> , 2014 , 745, 201-16	5.3	101
345	Anti-inflammatory activity of Albizia lebeck Benth., an ethnomedicinal plant, in acute and chronic animal models of inflammation. <i>Journal of Ethnopharmacology</i> , 2009 , 125, 356-60	5	96
344	Anti-tumor promoting potential of luteolin against 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. <i>Chemico-Biological Interactions</i> , 2006 , 164, 1-14	5	95
343	Herbivore induced plant volatiles: their role in plant defense for pest management. <i>Plant Signaling and Behavior</i> , 2011 , 6, 1973-8	2.5	93
342	Antibacterial and antifungal activity of Cassia fistula L.: an ethnomedicinal plant. <i>Journal of Ethnopharmacology</i> , 2007 , 112, 590-4	5	91
341	Anti-inflammatory, analgesic and antipyretic effects of friedelin isolated from Azima tetraacantha Lam. in mouse and rat models. <i>Journal of Pharmacy and Pharmacology</i> , 2011 , 63, 1070-7	4.8	88
340	Antidiabetic and antioxidant activities of Toddalia asiatica (L.) Lam. leaves in streptozotocin induced diabetic rats. <i>Journal of Ethnopharmacology</i> , 2012 , 143, 515-23	5	81
339	β-sitosterol prevents lipid peroxidation and improves antioxidant status and histoarchitecture in rats with 1,2-dimethylhydrazine-induced colon cancer. <i>Journal of Medicinal Food</i> , 2012 , 15, 335-43	2.8	80
338	Normo-glycemic and hypolipidemic effect of costunolide isolated from Costus speciosus (Koen ex. Retz.) Sm. in streptozotocin-induced diabetic rats. <i>Chemico-Biological Interactions</i> , 2009 , 179, 329-34	5	78
337	Antidiabetic effect of plumbagin isolated from Plumbago zeylanica L. root and its effect on GLUT4 translocation in streptozotocin-induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2012 , 50, 4356-63	4.7	75
336	Antibacterial and antifungal activities of polyketide metabolite from marine Streptomyces sp. AP-123 and its cytotoxic effect. <i>Chemosphere</i> , 2013 , 90, 479-87	8.4	73
335	Antidiabetic activity of β-sitosterol isolated from Lippia nodiflora L. in streptozotocin induced diabetic rats. <i>European Journal of Pharmacology</i> , 2011 , 667, 410-8	5.3	72
334	Effect of plant volatile oils in protecting stored cowpea Vigna unguiculata (L.) Walpers against Callosobruchus maculatus (F.) (Coleoptera: Bruchidae) infestation. <i>Journal of Stored Products Research</i> , 2001 , 37, 127-132	2.5	72
333	Swertiamarin attenuates inflammation mediators via modulating NF- κ B and JAK2/STAT3 transcription factors in adjuvant induced arthritis. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 56, 70-86	5.1	69
332	Agrobacterium-mediated transformation of finger millet (Eleusine coracana (L.) Gaertn.) using shoot apex explants. <i>Plant Cell Reports</i> , 2011 , 30, 1759-70	5.1	69
331	Antioxidant activity of costunolide and eremanthin isolated from Costus speciosus (Koen ex. Retz) Sm. <i>Chemico-Biological Interactions</i> , 2010 , 188, 467-72	5	69
330	Ethnobotanical study of medicinal plants used by Paliyar tribals in Theni district of Tamil Nadu, India. <i>Phytotherapy</i> , 2008 , 79, 562-8	3.2	69
329	Insulin sensitization via partial agonism of PPAR α and glucose uptake through translocation and activation of GLUT4 in PI3K/p-Akt signaling pathway by embelin in type 2 diabetic rats. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 2243-55	4	68

328	Insert, remove or replace: A highly advanced genome editing system using CRISPR/Cas9. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 2333-44	4.9	66
327	Effect of plant secondary metabolites on legume pod borer, <i>Helicoverpa armigera</i> . <i>Journal of Pest Science</i> , 2013 , 86, 399-408	5.5	64
326	<i>Agrobacterium tumefaciens</i> -mediated genetic transformation of mungbean (<i>Vigna radiata</i> L. Wilczek) - a recalcitrant grain legume. <i>Plant Science</i> , 2001 , 161, 239-247	5.3	64
325	Comparative studies of tripolyphosphate and glutaraldehyde cross-linked chitosan-botanical pesticide nanoparticles and their agricultural applications. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1813-1819	7.9	63
324	Consensus of local knowledge on medicinal plants among traditional healers in Mayiladumparai block of Theni District, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , 2011 , 134, 354-62	5	62
323	Comparative studies of chitosan and its nanoparticles for the adsorption efficiency of various dyes. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1449-1458	7.9	60
322	Extracellular biosynthesis of silver nanoparticle using <i>Streptomyces</i> sp. 09 PBT 005 and its antibacterial and cytotoxic properties. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 169-180	3.3	60
321	Development of transgenic finger millet (<i>Eleusine coracana</i> (L.) Gaertn.) resistant to leaf blast disease. <i>Journal of Biosciences</i> , 2012 , 37, 135-47	2.3	59
320	A novel herbal formulation against dengue vector mosquitoes <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . <i>Parasitology Research</i> , 2012 , 110, 1801-13	2.4	59
319	Genetic engineering of crop plants for fungal resistance: role of antifungal genes. <i>Biotechnology Letters</i> , 2012 , 34, 995-1002	3	59
318	<i>Solanum torvum</i> Swartz. fruit containing phenolic compounds shows antidiabetic and antioxidant effects in streptozotocin induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2725-33	4.7	59
317	Isolation, screening and partial purification of antimicrobial antibiotics from soil <i>Streptomyces</i> sp. SCA 7. <i>Kaohsiung Journal of Medical Sciences</i> , 2014 , 30, 435-46	2.4	58
316	Antifeedant, larvicidal and pupicidal activities of <i>Atalantia monophylla</i> (L) Correa against <i>Helicoverpa armigera</i> Hubner (Lepidoptera: Noctuidae). <i>Chemosphere</i> , 2009 , 75, 355-9	8.4	58
315	Protective effects of friedelin isolated from <i>Azima tetraacantha</i> Lam. against ethanol-induced gastric ulcer in rats and possible underlying mechanisms. <i>European Journal of Pharmacology</i> , 2015 , 750, 167-75	5.3	57
314	Cu(OTf) ₂ catalyzed three component reaction: efficient synthesis of spiro[indoline-3,4'-pyrano[3,2-b]pyran derivatives and their anticancer potency towards A549 human lung cancer cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 2708-13	2.9	57
313	Jasmonic Acid-Mediated-Induced Resistance in Groundnut (<i>Arachis hypogaea</i> L.) Against <i>Helicoverpa armigera</i> (Hubner) (Lepidoptera: Noctuidae). <i>Journal of Plant Growth Regulation</i> , 2011 , 30, 512-523	4.7	57
312	Beneficial Antioxidative and Antiperoxidative Effect of Cinnamaldehyde Protect Streptozotocin-Induced Pancreatic β Cells Damage in Wistar Rats. <i>Biomolecules and Therapeutics</i> , 2014 , 22, 47-54	4.2	54
311	Antimicrobial activity of sesquiterpene lactones isolated from traditional medicinal plant, <i>Costus speciosus</i> (Koen ex.Retz.) Sm. <i>BMC Complementary and Alternative Medicine</i> , 2012 , 12, 13	4.7	54

310	Documentation and quantitative analysis of the local knowledge on medicinal plants among traditional Siddha healers in Virudhunagar district of Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , 2011 , 137, 523-33	5	54
309	Hypoglycemic and β-cells regenerative effects of Aegle marmelos (L.) Corr. bark extract in streptozotocin-induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2012 , 50, 1667-74	4.7	52
308	Biopolymeric nanocomposite scaffolds for bone tissue engineering applications [A review]. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 55, 101452	4.5	52
307	Delivery of chitosan/dsRNA nanoparticles for silencing of wing development vestigial (vg) gene in Aedes aegypti mosquitoes. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 89-95	7.9	51
306	Syzygium cumini (L.) Skeels., a novel therapeutic agent for diabetes: folk medicinal and pharmacological evidences. <i>Complementary Therapies in Medicine</i> , 2013 , 21, 232-43	3.5	51
305	Structure, Function, Regulation and Phylogenetic Relationship of ZIP Family Transporters of Plants. <i>Frontiers in Plant Science</i> , 2020 , 11, 662	6.2	50
304	A novel compound from Casearia esculenta (Roxb.) root and its effect on carbohydrate metabolism in streptozotocin-diabetic rats. <i>European Journal of Pharmacology</i> , 2008 , 590, 437-43	5.3	49
303	Antimicrobial activity of Streptomyces spp. ERI-26 recovered from Western Ghats of Tamil Nadu. <i>Journal De Mycologie Medicale</i> , 2008 , 18, 147-153	3	49
302	Agrobacterium-mediated transformation of chickpea with alpha-amylase inhibitor gene for insect resistance. <i>Journal of Biosciences</i> , 2006 , 31, 339-45	2.3	49
301	Antifeedant, larvicidal and growth inhibitory effects of ononitol monohydrate isolated from Cassia tora L. against Helicoverpa armigera (Hub.) and Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). <i>Chemosphere</i> , 2012 , 88, 384-8	8.4	48
300	A novel steroid from Elephantopus scaber L. an ethnomedicinal plant with antidiabetic activity. <i>Phytomedicine</i> , 2009 , 16, 252-7	6.5	48
299	Antihyperglycemic activity and antidiabetic effect of methyl caffeate isolated from Solanum torvum Swartz. fruit in streptozotocin induced diabetic rats. <i>European Journal of Pharmacology</i> , 2011 , 670, 623-31	5.3	47
298	Genetic engineering of millets: current status and future prospects. <i>Biotechnology Letters</i> , 2009 , 31, 779-88	3.8	47
297	Potential hepatoprotective activity of ononitol monohydrate isolated from Cassia tora L. on carbon tetrachloride induced hepatotoxicity in wistar rats. <i>Phytomedicine</i> , 2009 , 16, 891-5	6.5	46
296	Immunomodulatory, analgesic and antipyretic effects of violacein isolated from Chromobacterium violaceum. <i>Phytomedicine</i> , 2010 , 17, 300-4	6.5	46
295	Efficient Regeneration of Curcuma amada Roxb. Plantlets from Rhizome and Leaf Sheath Explants. <i>Plant Cell, Tissue and Organ Culture</i> , 2004 , 78, 159-165	2.7	46
294	Herbivore- and elicitor-induced resistance in groundnut to Asian armyworm, Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). <i>Plant Signaling and Behavior</i> , 2011 , 6, 1769-77	2.5	45
293	Cancer chemopreventive potential of luteolin-7-O-glucoside isolated from Ophiorrhiza mungos Linn. <i>Nutrition and Cancer</i> , 2011 , 63, 130-8	2.8	44

292	Highly efficient shoot regeneration of <i>Bacopa monnieri</i> (L.) using a two-stage culture procedure and assessment of genetic integrity of micropropagated plants by RAPD. <i>Acta Physiologiae Plantarum</i> , 2010 , 32, 443-452	2.6	44
291	Factors affecting in vitro flowering and fruiting of green pea (<i>Pisum sativum</i> L.). <i>Euphytica</i> , 2000 , 115, 65-74	2.1	44
290	Finger Millet [(L.) Gaertn.] Improvement: Current Status and Future Interventions of Whole Genome Sequence. <i>Frontiers in Plant Science</i> , 2018 , 9, 1054	6.2	43
289	In vitro antimicrobial activity of <i>Streptomyces</i> spp. ERI-3 isolated from Western Ghats rock soil (India). <i>Journal De Mycologie Medicale</i> , 2009 , 19, 22-28	3	43
288	Antiinflammatory activity of <i>Solanum trilobatum</i> . <i>Phytotherapy</i> , 2006 , 77, 611-2	3.2	43
287	In vitro antioxidant, antidiabetic and antilipidemic activities of <i>Symplocos cochinchinensis</i> (Lour.) S. Moore bark. <i>Food and Chemical Toxicology</i> , 2012 , 50, 1547-53	4.7	42
286	Chemopreventive potential of Epoxy clerodane diterpene from <i>Tinospora cordifolia</i> against diethylnitrosamine-induced hepatocellular carcinoma. <i>Investigational New Drugs</i> , 2009 , 27, 347-55	4.3	42
285	Preliminary screening of ethnomedicinal plants from India. <i>Journal of Ethnopharmacology</i> , 1999 , 66, 235-40	3.4	41
284	Antimicrobial and Cytotoxic Properties of <i>Streptomyces</i> Sp. (ERINLG-51) Isolated from Southern Western Ghats. <i>South Indian Journal of Biological Sciences</i> , 2016 , 1, 7		41
283	Protective effects of <i>Ficus carica</i> leaves on glucose and lipids levels, carbohydrate metabolism enzymes and cells in type 2 diabetic rats. <i>Pharmaceutical Biology</i> , 2017 , 55, 1074-1081	3.8	40
282	Antimicrobial activity of Ulopterol isolated from <i>Toddalia asiatica</i> (L.) Lam.: a traditional medicinal plant. <i>Journal of Ethnopharmacology</i> , 2012 , 140, 161-5	5	40
281	Genetic engineering and regeneration of <i>Phaseolus</i> and <i>Vigna</i> . State of the art and new attempts. <i>Journal of Plant Physiology</i> , 1997 , 150, 625-644	3.6	40
280	In vitro anticancer activity of methyl caffeate isolated from <i>Solanum torvum</i> Swartz. fruit. <i>Chemico-Biological Interactions</i> , 2015 , 242, 81-90	5	39
279	Larvicidal activity of pectolinarigenin from <i>Clerodendrum phlomidis</i> L. against <i>Culex quinquefasciatus</i> Say and <i>Aedes aegypti</i> L. (Diptera: Culicidae). <i>Parasitology Research</i> , 2012 , 111, 1059-65	2.4	39
278	Antidiabetic effect of <i>Symplocos cochinchinensis</i> (Lour.) S. Moore. in type 2 diabetic rats. <i>Journal of Ethnopharmacology</i> , 2011 , 134, 298-304	5	39
277	Veterinary antibiotics in animal manure and manure laden soil: Scenario and challenges in Asian countries. <i>Journal of King Saud University - Science</i> , 2020 , 32, 1300-1305	3.6	39
276	Using molecular markers to assess the genetic diversity and population structure of finger millet (<i>Eleusine coracana</i> (L.) Gaertn.) from various geographical regions. <i>Genetic Resources and Crop Evolution</i> , 2016 , 63, 361-376	2	38
275	Utilization of molecular markers for improving the phosphorus efficiency in crop plants. <i>Plant Breeding</i> , 2018 , 137, 10-26	2.4	38

274	Antimicrobial and Antimycobacterial Activities of Methyl Caffeate Isolated from Solanum torvum Swartz. Fruit. <i>Indian Journal of Microbiology</i> , 2012 , 52, 676-81	3.7	38
273	Antioxidant, free radical scavenging and liver protective effects of friedelin isolated from Azima tetraantha Lam. leaves. <i>Food Chemistry</i> , 2013 , 139, 860-5	8.5	38
272	Antimycobacterial activity of two natural alkaloids, vasicine acetate and 2-acetyl benzylamine, isolated from Indian shrub Adhatoda vasica Ness. leaves. <i>Journal of Biosciences</i> , 2010 , 35, 565-70	2.3	38
271	A flavonoid isolated from Streptomyces sp. (ERINLG-4) induces apoptosis in human lung cancer A549 cells through p53 and cytochrome c release caspase dependant pathway. <i>Chemico-Biological Interactions</i> , 2014 , 224, 24-35	5	37
270	Defensive Responses in Groundnut Against Chewing and Sap-Sucking Insects. <i>Journal of Plant Growth Regulation</i> , 2013 , 32, 259-272	4.7	37
269	Ovicidal and Oviposition Deterrent Activities of Medicinal Plant Extracts Against Aedes aegypti L. and Culex quinquefasciatus Say Mosquitoes (Diptera: Culicidae). <i>Osong Public Health and Research Perspectives</i> , 2015 , 6, 64-9	6.1	37
268	Micropropagation of Swertia chirata Buch.-Hams. ex Wall.: a critically endangered medicinal herb. <i>Acta Physiologiae Plantarum</i> , 2009 , 31, 487-494	2.6	37
267	Partial regeneration of beta-cells in the islets of Langerhans by Nymphayol a sterol isolated from Nymphaea stellata (Willd.) flowers. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 2864-70	3.4	37
266	Identification of putative QTLs for seedling stage phosphorus starvation response in finger millet (Eleusine coracana L. Gaertn.) by association mapping and cross species synteny analysis. <i>PLoS ONE</i> , 2017 , 12, e0183261	3.7	37
265	Assessment of genetic diversity, population structure and relationships in Indian and non-Indian genotypes of finger millet (Eleusine coracana (L.) Gaertn) using genomic SSR markers. <i>SpringerPlus</i> , 2016 , 5, 120		34
264	In vitro antimicrobial, antioxidant and cytotoxic properties of Streptomyces lavendulae strain SCA5. <i>BMC Microbiology</i> , 2014 , 14, 291	4.5	34
263	Tracing QTLs for Leaf Blast Resistance and Agronomic Performance of Finger Millet (Eleusine coracana (L.) Gaertn.) Genotypes through Association Mapping and in silico Comparative Genomics Analyses. <i>PLoS ONE</i> , 2016 , 11, e0159264	3.7	34
262	Gastroprotective effect of nymphayol isolated from Nymphaea stellata (Willd.) flowers: contribution of antioxidant, anti-inflammatory and anti-apoptotic activities. <i>Chemico-Biological Interactions</i> , 2014 , 224, 157-63	5	33
261	In vitro antioxidant and antiproliferative potential of medicinal plants used in traditional Indian medicine to treat cancer. <i>Redox Report</i> , 2012 , 17, 145-56	5.9	33
260	Indirubin potentiates ciprofloxacin activity in the NorA efflux pump of Staphylococcus aureus. <i>Scandinavian Journal of Infectious Diseases</i> , 2010 , 42, 500-5		33
259	Efficient somatic embryogenesis and plant regeneration from shoot apex explants of different Indian genotypes of finger millet (Eleusine coracana (L.) Gaertn.). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2008 , 44, 427-435	2.3	33
258	Functional characterization of the PHT1 family transporters of foxtail millet with development of a novel Agrobacterium-mediated transformation procedure. <i>Scientific Reports</i> , 2017 , 7, 14064	4.9	32
257	Effect of niloticin, a protolimonoid isolated from Limonia acidissima L. (Rutaceae) on the immature stages of dengue vector Aedes aegypti L. (Diptera: Culicidae). <i>Acta Tropica</i> , 2014 , 139, 67-76	3.2	32

256	Antioxidant, antilipidemic and antidiabetic effects of ficusin with their effects on GLUT4 translocation and PPAR α expression in type 2 diabetic rats. <i>Chemico-Biological Interactions</i> , 2016 , 256, 85-93	5	31
255	Swertiamarin ameliorates inflammation and osteoclastogenesis intermediates in IL-1 β induced rat fibroblast-like synoviocytes. <i>Inflammation Research</i> , 2014 , 63, 451-62	7.2	31
254	Antifungal activity of traditional medicinal plants from Tamil Nadu, India. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2011 , 1, S204-S215	1.4	31
253	Effects of cytokinins, carbohydrates and amino acids on induction and maturation of somatic embryos in kodo millet (<i>Paspalum scrobiculatum</i> Linn.). <i>Plant Cell, Tissue and Organ Culture</i> , 2010 , 102, 153-162	2.7	31
252	Quantitative ethnobotany of traditional Siddha medical practitioners from Radhapuram taluk of Tirunelveli District, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , 2012 , 143, 540-7	5	30
251	Applications of biotechnology and biochemical engineering for the improvement of Jatropha and Biodiesel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 5176-5185	16.2	30
250	Medicinal plants of Tamil Nadu (Southern India) are a rich source of antiviral activities. <i>Pharmaceutical Biology</i> , 2009 , 47, 422-429	3.8	30
249	Bioefficacy of <i>Couroupita guianensis</i> (Aubl) against <i>Helicoverpa armigera</i> (Hub.) (Lepidoptera: Noctuidae) larvae. <i>Spanish Journal of Agricultural Research</i> , 2010 , 8, 135	1.1	30
248	Hypoglycemic and antihyperglycemic effect of <i>Begonia malabarica</i> Lam. in normal and streptozotocin induced diabetic rats. <i>Journal of Ethnopharmacology</i> , 2009 , 124, 111-5	5	29
247	Synthesis of new class of spirocarbocycle derivatives by multicomponent domino reaction and their evaluation for antimicrobial, anticancer activity and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2014 , 83, 190-207	6.8	28
246	RNA interference--a silent but an efficient therapeutic tool. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 169, 1774-89	3.2	28
245	Antidiabetic and Hypolipidemic effect of methanol extract of <i>Lippia nodiflora</i> L. in streptozotocin induced diabetic rats. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2011 , 1, S30-S36	1.4	28
244	Bioefficacy of essential oil from <i>Polygonum hydropiper</i> L. against mosquitoes, <i>Anopheles stephensi</i> and <i>Culex quinquefasciatus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2013 , 97, 26-31	7	27
243	Antibacterial activity of some actinomycetes from Tamil Nadu, India. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012 , 2, 936-43	1.4	27
242	Isolation and Characterization of Putative Probiotic Bacterial Strain, <i>Bacillus amyloliquefaciens</i> , from North East Himalayan Soil Based on In Vitro and In Vivo Functional Properties. <i>Probiotics and Antimicrobial Proteins</i> , 2011 , 3, 175-85	5.5	27
241	EFFECT OF NITROGEN AND CARBON SOURCES ON THE INORGANIC PHOSPHATE SOLUBILIZATION BY DIFFERENT ASPERGILLUS NIGER STRAINS. <i>Chemical Engineering Communications</i> , 2004 , 191, 1043-1052	2.2	27
240	Myoinositol ameliorates high-fat diet and streptozotocin-induced diabetes in rats through promoting insulin receptor signaling. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 88, 1098-1113	7.5	26
239	The Role of PHT1 Family Transporters in the Acquisition and Redistribution of Phosphorus in Plants. <i>Critical Reviews in Plant Sciences</i> , 2019 , 38, 171-198	5.6	26

238	Antimicrobial and cytotoxicity properties of 2,3-dihydroxy-9,10-anthraquinone isolated from <i>Streptomyces galbus</i> (ERINLG-127). <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 3513-28	3.2	26
237	Gastroprotective effect of epoxy clerodane diterpene isolated from <i>Tinospora cordifolia</i> Miers (Guduchi) on indomethacin-induced gastric ulcer in rats. <i>Phytomedicine</i> , 2014 , 21, 966-9	6.5	26
236	Molecular docking of β -sitosterol with some targets related to diabetes. <i>European Journal of Medicinal Chemistry</i> , 2012 , 47, 38-43	6.8	26
235	Anticancer activity of Rhein isolated from <i>Cassia fistula</i> L. flower. <i>Asian Pacific Journal of Tropical Disease</i> , 2012 , 2, S517-S523		26
234	Toxic effect of <i>Atalantia monophylla</i> essential oil on <i>Callosobruchus maculatus</i> and <i>Sitophilus oryzae</i> . <i>Environmental Science and Pollution Research</i> , 2017 , 24, 1619-1629	5.1	25
233	Antimicrobial properties of actinomycetes from the soil of Himalaya. <i>Journal De Mycologie Medicale</i> , 2010 , 20, 15-20	3	25
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- 4 Natural Enemy (Arthropoda-Insecta) Biodiversity in Vegetable Crops in Northeastern Tamil Nadu, India. *International Letters of Natural Sciences*,53, 28-33
- 3 Quantitative ethnobotany of Paliyar tribe in Sathuragiri hills, Virudhunagar district, Tamil Nadu, India. *Advances in Traditional Medicine*,1 1.4
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- 1 Improving the Nutrient-Use Efficiency in Millets by Genomics Approaches **2022**, 205-220