## S Ignacimuthu

# List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

 363
 11,382
 54
 89

 papers
 citations
 h-index
 g-index

 375
 13,256
 3.6
 6.69

 ext. papers
 ext. citations
 avg, IF
 L-index

#	Paper	IF	Citations
363	The effects of some essential oils on Alternaria alternata, a post-harvest phyto-pathogenic fungus in wheat by disrupting ergosterol biosynthesis. <i>Phytoparasitica</i> , <b>2022</b> , 50, 513	1.5	O
362	Rapid Isolation of Ricinine, a Pyridone Alkaloid from Ricinus communis (L.) with Antifungal Properties. <i>Journal of Biologically Active Products From Nature</i> , <b>2022</b> , 12, 33-41	0.7	1
361	Mosquito Larvicidal Activity of Compounds from Unripe Fruit Peel of Avocado (Persea americana Mill.) <i>Applied Biochemistry and Biotechnology</i> , <b>2022</b> , 1	3.2	O
360	Ameliorative effect of mangiferin on high fat diet - Diethylnitrosamine induced non-alcoholic steatohepatitis rats. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2022</b> , 41, 102312	4.2	
359	Mosquitocidal efficacy of embelin and its derivatives against Aedes aegypti L. and Culex quinquefasciatus Say. (Diptera: Culicidae) and computational analysis of acetylcholinesterase 1 (AChE1) inhibition <i>Computers in Biology and Medicine</i> , <b>2022</b> , 146, 105535	7	1
358	Finger Millet Genome Analysis and Nutrient Transport. Compendium of Plant Genomes, 2022, 181-199	0.8	1
357	Mining Genes and Markers Across Minor Millets Using Comparative Genomics Approaches <b>2022</b> , 185-20	03	О
356	Improving the Nutrient-Use Efficiency in Millets by Genomics Approaches 2022, 205-220		
355	Bio-efficacy of Soil Actinomycetes and an Isolated Molecule 1,2-Benzenedicarboxylic Acid from Nonomuraea sp. Against Culex quinquefasciatus Say and Aedes aegypti L. Mosquitoes (Diptera: Culicidae). <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 1	3.2	1
354	Antidiabetic with antilipidemic and antioxidant effects of flindersine by enhanced glucose uptake through GLUT4 translocation and PPARtagonism in type 2 diabetic rats. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 114883	5	0
353	Improving abiotic stress tolerance in sorghum: focus on the nutrient transporters and marker-assisted breeding. <i>Planta</i> , <b>2021</b> , 254, 90	4.7	3
352	Effect of monoterpene ester from (Lam.) DC and its acetyl derivative against plant pathogenic fungi and their molecular docking. <i>Natural Product Research</i> , <b>2021</b> , 35, 5744-5751	2.3	1
351	An approach to identify the potential hot spots in SARS-CoV-2 spike RBD to block the interaction with ACE2 receptor. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-16	3.6	8
350	Mining QTL and genes for root traits and biochemical parameters under vegetative drought in South Indian genotypes of finger millet (Eleusine coracana (L.) Gaertn) by association mapping and in silico comparative genomics. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2021</b> , 32, 101935	4.2	6
349	Hepatoprotective effect of selected isoandrographolide derivatives on steatotic HepG2 cells and High Fat Diet fed rats. <i>European Journal of Pharmacology</i> , <b>2021</b> , 899, 174056	5.3	2
348	First record of the Afghan Poplar Hawkmoth Laothoe witti Eitschberger et al., 1998 (Sphingidae: Smerinthinae) from India: a notable range extension for the genus. <i>Journal of Threatened Taxa</i> , <b>2021</b> , 13, 18943-18946	0.6	1
347	Quantitative analysis of medicinal plants used to treat musculoskeletal ailments by non-institutionally trained siddha practitioners of Virudhunagar district, Tamil Nadu, India. <i>Journal of Ayurveda and Integrative Medicine</i> , <b>2021</b> , 12, 58-64	3.3	4

### (2020-2021)

346	Friedelin exhibits antidiabetic effect in diabetic rats via modulation of glucose metabolism in liver and muscle. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 268, 113659	5	10
345	Genomic-Assisted Breeding in Finger Millet (Eleusine Coracana (L.) Gaertn.) for Abiotic Stress Tolerance <b>2021</b> , 291-317		2
344	Bluemomycin, a new naphthoquinone derivative from Streptomyces sp. with antimicrobial and cytotoxic properties. <i>Biotechnology Letters</i> , <b>2021</b> , 43, 1005-1018	3	4
343	Production of silver nanoparticles from Atalantia monophylla (L) plant resin and their enhanced antibacterial efficacy. <i>International Nano Letters</i> , <b>2021</b> , 11, 85-91	5.7	1
342	Karyomorphological effects of two new oil formulations on (HBner) (Lepidoptera: Noctuidae). <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 1514-1518	4	1
341	Larvicidal and ovicidal activities of phenyl acetic acid isolated from Streptomyces collinus against Culex quinquefasciatus Say and Aedes aegypti L. (Diptera: Culicidae). <i>Experimental Parasitology</i> , <b>2021</b> , 226-227, 108120	2.1	3
340	Synthesis and characterization of magnetite carbon nanocomposite from agro waste as chromium adsorbent for effluent treatment. <i>Environmental Research</i> , <b>2021</b> , 202, 111669	7.9	3
339	Potential of CRISPR/Cas system in the diagnosis of COVID-19 infection. <i>Expert Review of Molecular Diagnostics</i> , <b>2021</b> , 21, 1179-1189	3.8	1
338	Management of phosphorus nutrient amid climate change for sustainable agriculture. <i>Journal of Environmental Quality</i> , <b>2021</b> , 50, 1303-1324	3.4	5
337	Expression of PHT1 family transporter genes contributes for low phosphate stress tolerance in foxtail millet (Setaria italica) genotypes. <i>Planta</i> , <b>2020</b> , 252, 98	4.7	8
336	Phenotypic responses of foxtail millet (Setaria italica) genotypes to phosphate supply under greenhouse and natural field conditions. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233896	3.7	7
335	Structure, Function, Regulation and Phylogenetic Relationship of ZIP Family Transporters of Plants. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 662	6.2	50
334	Genome engineering in insects: focus on the CRISPR/Cas9 system <b>2020</b> , 219-249		5
333	Microsatellite Marker: Importance and Implications of Cross-genome Analysis for Finger Millet (Eleusine coracana (L.) Gaertn). <i>Current Biotechnology</i> , <b>2020</b> , 9, 160-170	0.6	4
332	Biopolymer from edible marine invertebrates: A potential functional food. <i>Journal of King Saud University - Science</i> , <b>2020</b> , 32, 1772-1777	3.6	9
331	Synthesis of a 1,2,3-bistriazole derivative of embelin and evaluation of its effect on high-fat diet fed-streptozotocin-induced type 2 diabetes in rats and molecular docking studies. <i>Bioorganic Chemistry</i> , <b>2020</b> , 96, 103579	5.1	6
330	The down regulation of PTP1B expression and attenuation of disturbed glucose and lipid metabolism using (L) fruit methanol extract in high fat diet and streptozotocin induced diabetic rats. <i>Saudi Journal of Biological Sciences</i> , <b>2020</b> , 27, 433-440	4	4
329	Hybridization and hybrid detection through molecular markers in finger millet [Eleusine coracana (L.) Gaertn.]. <i>Journal of Crop Improvement</i> , <b>2020</b> , 34, 335-355	1.4	11

328	Marine invertebrates[proteins: A recent update on functional property. <i>Journal of King Saud University - Science</i> , <b>2020</b> , 32, 1496-1502	3.6	8
327	Biopolymeric nanocomposite scaffolds for bone tissue engineering applications IA review. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 55, 101452	4.5	52
326	Veterinary antibiotics in animal manure and manure laden soil: Scenario and challenges in Asian countries. <i>Journal of King Saud University - Science</i> , <b>2020</b> , 32, 1300-1305	3.6	39
325	Computational analysis of single nucleotide polymorphisms (SNPs) in PPAR gamma associated with obesity, diabetes and cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-15	3.6	6
324	Raltegravir, Indinavir, Tipranavir, Dolutegravir, and Etravirine against main protease and RNA-dependent RNA polymerase of SARS-CoV-2: A molecular docking and drug repurposing approach. <i>Journal of Infection and Public Health</i> , <b>2020</b> , 13, 1856-1861	7.4	17
323	A novel class of 1,4-disubstituted 1,2,3-triazoles: Regioselective synthesis, antimicrobial activity and molecular docking studies. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 9047-9057	5.9	1
322	Antihyperlipidemic effect of iridoid glycoside deacetylasperulosidic acid isolated from the seeds of Spermacoce hispida L A traditional antiobesity herb. <i>Journal of Ethnopharmacology</i> , <b>2019</b> , 245, 11217	° <b>0</b> <sup>5</sup>	3
321	Degradation of AZO dye using plants based silver nanoparticles through ultraviolet radiation. Journal of King Saud University - Science, 2019, 31, 1363-1365	3.6	8
320	The Role of PHT1 Family Transporters in the Acquisition and Redistribution of Phosphorus in Plants. <i>Critical Reviews in Plant Sciences</i> , <b>2019</b> , 38, 171-198	5.6	26
319	Phosphate supply influenced the growth, yield and expression of PHT1 family phosphate transporters in seven millets. <i>Planta</i> , <b>2019</b> , 250, 1433-1448	4.7	18
318	Effect of tiliamosine, a bis, benzylisoquinoline alkaloid isolated from Tiliacora acuminata (Lam.) Hook. f. & Thom on the immature stages of filarial mosquito Culex quinquefasciatus say (Diptera: Culicidae). <i>Experimental Parasitology</i> , <b>2019</b> , 204, 107719	2.1	O
317	Bioactivity of Couroupita guianensis Aubl. against filarial and dengue vectors and non-target fish. <i>South African Journal of Botany</i> , <b>2019</b> , 125, 46-53	2.9	6
316	Mosquitocidal Activity of the Pale Brittle Stem Mushroom, Psathyrella candolleana (Agaricomycetes), against Three Vector Mosquitoes. <i>International Journal of Medicinal Mushrooms</i> , <b>2019</b> , 21, 725-734	1.3	О
315	Traditionally practiced medicinal plant extracts inhibit the ergosterol biosynthesis of clinically isolated dermatophytic pathogens. <i>Journal De Mycologie Medicale</i> , <b>2018</b> , 28, 143-149	3	8
314	Mosquito (Diptera: Culicidae) Larvicidal and Ovicidal Properties of Extracts fromStreptomyces vinaceusdrappus(S12-4) Isolated from Soils1. <i>Journal of Entomological Science</i> , <b>2018</b> , 53, 17-26	0.4	4
313	Toxicity and antifeedant activity of Caesalpinia bonduc (L.) Roxb. (Caesalpiniaceae) extracts and fractions against the cotton bollworm Helicoverpa armigera Hub. (Lepidoptera: Noctuidae). <i>Physiological and Molecular Plant Pathology</i> , <b>2018</b> , 101, 69-74	2.6	10
312	Larvicidal and repellent activity of the essential oil from Atalantia monophylla on three mosquito vectors of public health importance, with limited impact on non-target zebra fish. <i>Physiological and Molecular Plant Pathology</i> , <b>2018</b> , 101, 197-201	2.6	17
311	Utilization of molecular markers for improving the phosphorus efficiency in crop plants. <i>Plant Breeding</i> , <b>2018</b> , 137, 10-26	2.4	38

310	Roles of microRNA in prostate cancer cell metabolism. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2018</b> , 102, 109-116	5.6	8
309	Finger Millet [ (L.) Gaertn.] Improvement: Current Status and Future Interventions of Whole Genome Sequence. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1054	6.2	43
308	Effect of compound Musizin isolated from Rhamnus wightii Wight and Arn on the immature stages of filarial vector mosquito Culex quinquefasciatus Say (Diptera: Culicidae) and its non-target studies. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2018</b> , 16, 37-42	4.2	4
307	Toxic effects of Solanum xanthocarpum Sch &Wendle against Helicoverpa armigera (Hub.), Culex quinquefasciatus (Say.) and Eisenia fetida (Savigny, 1826). <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 2774-2782	5.1	8
306	Curative effect of arjunolic acid from Terminalia arjuna in non-alcoholic fatty liver disease models. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 107, 979-988	7.5	13
305	A study on food-medicine continuum among the non-institutionally trained siddha practitioners of Tiruvallur district, Tamil Nadu, India. <i>Journal of Ethnobiology and Ethnomedicine</i> , <b>2018</b> , 14, 45	3.9	9
304	Bio-prospecting of soil Streptomyces and its bioassay-guided isolation of microbial derived auxin with antifungal properties. <i>Journal De Mycologie Medicale</i> , <b>2018</b> , 28, 462-468	3	3
303	Biocontrol and non-target effect of fractions and compound isolated from Streptomyces rimosus on the immature stages of filarial vector Culex quinquefasciatus Say (Diptera: Culicidae) and the compound interaction with Acetylcholinesterase (AChE1). <i>Ecotoxicology and Environmental Safety</i> ,	7	13
302	Effect of compound isolated from Lawsonia inermis (L.) (Myrtales: Lythraceae) on the immature stages of filarial vector Culex quinquefasciatus Say (Diptera: Culicidae) and its docking analysis with Acetylcholinesterase (AChE1). <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2018</b> , 15, 210-218	4.2	5
301	Larvicidal, Ovicidal, and Histopathological Effects of the Sulphur Polypore Mushroom, Laetiporus sulphureus (Agaricomycetes), Collected from Tamil Nadu, India against Mosquitoes. <i>International Journal of Medicinal Mushrooms</i> , <b>2018</b> , 20, 1197-1207	1.3	Ο
300	Chitosan: A Versatile Biomaterial for the 21st Century <b>2018</b> , 53-110		О
299	Anticancer effects of one-pot synthesized biogenic gold nanoparticles (Mc-AuNps) against laryngeal carcinoma. <i>Journal of Drug Delivery Science and Technology</i> , <b>2018</b> , 44, 118-128	4.5	20
298	Effect of l-glutamine and casein hydrolysate in the development of somatic embryos from cotyledonary leaf explants in okra (Abelmoschus esculentus L. monech). <i>South African Journal of Botany</i> , <b>2018</b> , 114, 223-231	2.9	12
297	Hepatoprotective effect of bisbenzylisoquinoline alkaloid tiliamosine from Tiliacora racemosa in high-fat diet/diethylnitrosamine-induced non-alcoholic steatohepatitis. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 108, 963-973	7.5	10
296	Microsatellite markers of finger millet (Eleusine coracana (L.) Gaertn) and foxtail millet (Setaria italica (L.) Beauv) provide resources for cross-genome transferability and genetic diversity analyses in other millets. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2018</b> , 16, 493-501	4.2	13
295	Hepatoprotective effect of lawsone on rifampicin-isoniazid induced hepatotoxicity in in vitro and in vivo models. <i>Environmental Toxicology and Pharmacology</i> , <b>2018</b> , 61, 87-94	5.8	10
294	Antimicrobial activity of some actinomycetes from Western Ghats of Tamil Nadu, IndiaPeer review under responsibility of Alexandria University Faculty of Medicine.View all notesAvailable online 4 April 2016View all notes. <i>Alexandria Journal of Medicine</i> , <b>2017</b> , 53, 101-110	0.7	24
293	Epoxy clerodane diterpene inhibits MCF-7 human breast cancer cell growth by regulating the expression of the functional apoptotic genes Cdkn2A, Rb1, mdm2 and p53. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 87, 388-396	7.5	12

292	Biological effects of active fraction isolated from Hydnocarpus pentandra (Bunch. Ham.) Oken seeds against Helicoverpa armigera (Hub.) (Lepidoptera: Noctuidae). <i>Archives of Phytopathology and Plant Protection</i> , <b>2017</b> , 50, 262-274	1	2
291	Protective effects of Ficus carica leaves on glucose and lipids levels, carbohydrate metabolism enzymes and Eells in type 2 diabetic rats. <i>Pharmaceutical Biology</i> , <b>2017</b> , 55, 1074-1081	3.8	40
290	Myoinositol ameliorates high-fat diet and streptozotocin-induced diabetes in rats through promoting insulin receptor signaling. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 88, 1098-1113	7.5	26
289	Comparative studies of chitosan and its nanoparticles for the adsorption efficiency of various dyes. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1449-1458	7.9	60
288	Comparative studies of tripolyphosphate and glutaraldehyde cross-linked chitosan-botanical pesticide nanoparticles and their agricultural applications. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1813-1819	7.9	63
287	Antihyperlipidemic and hepatoprotective effects of Gardenin A in cellular and high fat diet fed rodent models. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 269, 9-17	5	12
286	Fumigant Effect of Some Essential Oils Against Pulse Beetle, Callosobruchus maculatus (Fab.) (Coleoptera: Bruchidae). <i>African Entomology</i> , <b>2017</b> , 25, 193-199	0.5	3
285	Screening of some medicinal plants for anticariogenic activity: An investigation on bioactive constituents from Jatropha gossypifolia (L.) root. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2017</b> , 10, 161-166	4.2	3
284	Isolation of chemical constituents from Nonomuraea species: In vitro and in silico evaluation of its antibacterial properties. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , <b>2017</b> , 6, 15-23	2.2	3
283	Swertiamarin, a natural steroid, prevent bone erosion by modulating RANKL/RANK/OPG signaling. <i>International Immunopharmacology</i> , <b>2017</b> , 53, 114-124	5.8	15
282	Complete mitochondrial genome sequence of fruit-piercing moth (Linnaeus, 1763) (Lepidoptera: Noctuoidea). <i>Genomics Data</i> , <b>2017</b> , 14, 66-81		4
281	Functional haracterization of the PHT1 family transporters of foxtail millet with development of a novel Agrobacterium-mediated transformation procedure. <i>Scientific Reports</i> , <b>2017</b> , 7, 14064	4.9	32
280	Optimization of biosynthesis parameters, partial purification and characterization of extracellular lipase from soil derived Streptomyces sp. Loyola Lipase-1. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2017</b> , 12, 241-247	4.2	3
279	Biocontrol Properties of Basidiomycetes: An Overview. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2017</b> , 3,	5.6	18
278	Effect of two andrographolide derivatives on cellular and rodent models of non-alcoholic fatty liver disease. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 95, 402-411	7.5	18
277	In vitro and in vivo anticancer activity of 2-acetyl-benzylamine isolated from Adhatoda vasica L. leaves. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 93, 796-806	7.5	11
276	Toxic effect of Atalantia monophylla essential oil on Callosobruchus maculatus and Sitophilus oryzae. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 1619-1629	5.1	25
275	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> , <b>2017</b> , 12, e0183261	3.7	37

274	Checklist of the superfamily Noctuoidea (Insecta, Lepidoptera) from Tamil Nadu, Western Ghats, India. <i>Check List</i> , <b>2017</b> , 13, 1101-1120	1	2
273	Current status of genome editing in vector mosquitoes: A review. <i>BioScience Trends</i> , <b>2017</b> , 10, 424-432	9.9	19
272	Using molecular markers to assess the genetic diversity and population structure of finger millet (Eleusine coracana (L.) Gaertn.) from various geographical regions. <i>Genetic Resources and Crop Evolution</i> , <b>2016</b> , 63, 361-376	2	38
271	Identifying potential PPAR agonist/partial agonist from plant molecules to control type 2 diabetes using in silico and in vivo models. <i>Medicinal Chemistry Research</i> , <b>2016</b> , 25, 1980-1992	2.2	6
270	Insert, remove or replace: A highly advanced genome editing system using CRISPR/Cas9. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 2333-44	4.9	66
269	Antioxidant, antilipidemic and antidiabetic effects of ficusin with their effects on GLUT4 translocation and PPAR expression in type 2 diabetic rats. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 256, 85-93	5	31
268	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> , <b>2016</b> , 5, 120		34
267	Experimental study on gastroprotective efficacy and mechanisms of luteolin-7-O-glucoside isolated from Ophiorrhiza mungos Linn. in different experimental models. <i>Journal of Functional Foods</i> , <b>2016</b> , 25, 302-313	5.1	16
266	Delivery of chitosan/dsRNA nanoparticles for silencing of wing development vestigial (vg) gene in Aedes aegypti mosquitoes. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 86, 89-95	7.9	51
265	Isolation and characterization of 2-hydroxy-9,10-anthraquinone from Streptomyces olivochromogenes (ERINLG-261) with antimicrobial and antiproliferative properties. <i>Revista Brasileira De Farmacognosia</i> , <b>2016</b> , 26, 285-295	2	17
264	In vitro antiproliferative activity of 2,3-dihydroxy-9,10-anthraquinone induced apoptosis against COLO320 cells through cytochrome c release caspase mediated pathway with PI3K/AKT and COX-2 inhibition. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 249, 23-35	5	9
263	Larvicidal and Pupicidal Activities of Alizarin Isolated from Roots of Rubia cordifolia Against Culex quinquefasciatus Say and Aedes aegypti (L.) (Diptera: Culicidae). <i>Neotropical Entomology</i> , <b>2016</b> , 45, 441-	-8 <sup>1.2</sup>	12
262	Natural Insecticides from Actinomycetes and Other Microbes for Vector Mosquito Control <b>2016</b> , 85-99		2
261	Outer membrane protein C (OmpC) of Escherichia coli induces neurodegeneration in mice by acting as an amyloid. <i>Biotechnology Letters</i> , <b>2016</b> , 38, 689-700	3	11
260	Effect of active sub-fraction of Ichnocarpus frutescens (L.) R.Br. in the management of obesity. Journal of Ethnopharmacology, <b>2016</b> , 177, 117-25	5	3
259	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> , <b>2016</b> , 11, e0159264	3.7	34
258	Hepatoprotective Effect of Tricholoma giganteum (Agaricomycetes) in a Nonalcoholic Fatty Liver Disease Rat Model. <i>International Journal of Medicinal Mushrooms</i> , <b>2016</b> , 18, 661-669	1.3	3
257	Antimicrobial and Cytotoxic Properties of Streptomyces Sp. (ERINLG-51) Isolated from Southern Western Ghats. <i>South Indian Journal of Biological Sciences</i> , <b>2016</b> , 1, 7		41

256	The conservation of phosphate-binding residues among PHT1 transporters suggests that distinct transport affinities are unlikely to result from differences in the phosphate-binding site. <i>Biochemical Society Transactions</i> , <b>2016</b> , 44, 1541-1548	5.1	15
255	Analysis of molecular variance and population structure in southern Indian finger millet genotypes using three different molecular markers. <i>Journal of Crop Science and Biotechnology</i> , <b>2016</b> , 19, 275-283	1.2	12
254	Quantification of ethnodietetic knowledge among noninstitutionally trained Siddha practitioners of Virudhunagar District, Tamil Nadu, India. <i>Journal of Ethnic Foods</i> , <b>2016</b> , 3, 263-269	2.5	3
253	The Contributions of South Asian Jesuits to Environmental Work. Journal of Jesuit Studies, 2016, 3, 619-	644	3
252	New antimicrobial anthraquinone 6,6-bis (1,5,7-trihydroxy-3-hydroxymethylanthraquinone) isolated from sp. isolate ERI-26. <i>Saudi Journal of Biological Sciences</i> , <b>2016</b> , 23, 731-735	4	8
251	Quantitative ethnomedicinal survey of medicinal plants given for cardiometabolic diseases by the non-institutionally trained siddha practitioners of Tiruvallur district, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 186, 329-342	5	12
250	In silico molecular docking of niloticin with acetylcholinesterase 1 (AChE1) of Aedes aegypti L. (Diptera: Culicidae): a promising molecular target. <i>Medicinal Chemistry Research</i> , <b>2016</b> , 25, 1411-1419	2.2	10
249	Hypoglycemic activity of 6-bromoembelin and vilangin in high-fat diet fed-streptozotocin-induced type 2 diabetic rats and molecular docking studies. <i>Life Sciences</i> , <b>2016</b> , 153, 100-17	6.8	24
248	Bioefficacy of ecbolin A and ecbolin B isolated from (Forsk.) Alston on dengue vector L. (Diptera: Culicidae). <i>Parasite Epidemiology and Control</i> , <b>2016</b> , 1, 78-84	2.6	6
247	Bioefficacy of Blumea mollis (D. Don) Merr. and Hygrophila schulii (BuchHam.) (Syn. H. auriculata) against Helicoverpa armigera (HBner). <i>Archives of Phytopathology and Plant Protection</i> , <b>2015</b> , 48, 400-41	7	1
246	Antifeedant, larvicidal and growth inhibitory activities of fractions from Clerodendrum phlomidis Linn. F. against bhendi fruit borer Earias vittella Fab. <i>Archives of Phytopathology and Plant Protection</i> , <b>2015</b> , 48, 495-503	1	2
245	AcidBase effects, light emission, DNA-binding and photocleavage studies of oligo-homonuclear ruthenium(II) complexes and their computational study. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 432, 158-168	2.7	5
244	A novel biopesticide PONNEEM to control human vector mosquitoes Anopheles stephensi L. and Culex quinquefasciatus Say. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 13153-66	5.1	11
243	Toxic Effects of Couroupita guianensis Against Spodoptera litura (Fabricius) (Lepidoptera: Noctuidae). <i>Neotropical Entomology</i> , <b>2015</b> , 44, 84-91	1.2	14
242	In vitro anticancer activity of methyl caffeate isolated from Solanum torvum Swartz. fruit. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 242, 81-90	5	39
241	MicroRNA in prostate cancer. Clinica Chimica Acta, <b>2015</b> , 451, 154-60	6.2	22
240	Isolation and characterization of Anthraquinone from Streptomyces sp. ERINLG-26 with anticancer activity Against adenocarcinoma cell line COLO320. <i>Applied Biochemistry and Microbiology</i> , <b>2015</b> , 51, 522-529	1.1	3
239	Nymphayol increases glucose-stimulated insulin secretion by RIN-5F cells and GLUT4-mediated insulin sensitization in type 2 diabetic rat liver. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 226, 72-81	5	21

238	Bioassay guided fractionation and identification of active anti-inflammatory constituent from Delonix elata flowers using RAW 264.7 cells. <i>Pharmaceutical Biology</i> , <b>2015</b> , 53, 174-84	3.8	3
237	Induced resistance to Helicoverpa armigera through exogenous application of jasmonic acid and salicylic acid in groundnut, Arachis hypogaea. <i>Pest Management Science</i> , <b>2015</b> , 71, 72-82	4.6	23
236	Extracellular biosynthesis of silver nanoparticle using Streptomyces sp. 09 PBT 005 and its antibacterial and cytotoxic properties. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 169-180	3.3	60
235	Antimicrobial, antioxidant, cytotoxic and molecular docking properties of N-benzyl-2,2,2-trifluoroacetamide. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 207-216	3.3	13
234	Feeding Deterrent and Genotoxicity Analysis of a novel Phytopesticide by using Comet Assay against Helicoverpa armigera (HBner) (Lepidoptera: Noctuidae). <i>Brazilian Archives of Biology and Technology</i> , <b>2015</b> , 58, 487-493	1.8	10
233	Evaluation of fractions and 5,7-dihydroxy-4',6-dimethoxy-flavone fromClerodendrum phlomidis Linn. F. against Helicoverpa armigera Hub <i>Brazilian Archives of Biology and Technology</i> , <b>2015</b> , 58, 216-23	2 <del>1</del> .8	4
232	Bioefficacy of pectolinaringenin from Clerodendrum phlomidis Linn. F. against Anopheles stephensi and bhendi fruit borer, Earias vittella fab <i>Brazilian Archives of Biology and Technology</i> , <b>2015</b> , 58, 358-36	6 <sup>1.8</sup>	4
231	Bioefficacy of flindersine against Helicoverpa armigera HBner, Spodoptera litura Fabricius, Anopheles stephensis Liston. and Culex quinquefasciatus Say <i>Brazilian Archives of Biology and Technology</i> , <b>2015</b> , 58, 595-604	1.8	7
230	Antimicrobial, antioxidant, and cytotoxic properties of vasicine acetate synthesized from vasicine isolated from Adhatoda vasica L. <i>BioMed Research International</i> , <b>2015</b> , 2015, 727304	3	21
229	Larvicidal, ovicidal and repellent activities of marine sponge Cliona celata (Grant) extracts against Anopheles stephensi Liston (Diptera: Culicidae). <i>Asian Pacific Journal of Tropical Medicine</i> , <b>2015</b> , 8, 29-34	4 <sup>2.1</sup>	10
228	Effect of confertifolin from Polygonum hydropiper L. against dengue vector mosquitoes Aedes aegypti L. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 8280-7	5.1	11
227	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> , <b>2015</b> , 6, 64-9	6.1	37
226	Protective effects of friedelin isolated from Azima tetracantha Lam. against ethanol-induced gastric ulcer in rats and possible underlying mechanisms. <i>European Journal of Pharmacology</i> , <b>2015</b> , 750, 167-75	5.3	57
225	Finger millet [Eleusine coracana (L.) Gaertn]. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1223, 135-42	1.4	
224	Swertiamarin ameliorates inflammation and osteoclastogenesis intermediates in IL-1 Induced rat fibroblast-like synoviocytes. <i>Inflammation Research</i> , <b>2014</b> , 63, 451-62	7.2	31
223	An easy protocol for the domino synthesis of diversely functionalized spirocarbocycles and their biological evaluation. <i>Journal of Chemical Sciences</i> , <b>2014</b> , 126, 177-185	1.8	4
222	Antimicrobial and cytotoxicity properties of 2,3-dihydroxy-9,10-anthraquinone isolated from Streptomyces galbus (ERINLG-127). <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 3513-28	3.2	26
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220	Polyphenols-rich Cyamopsis tetragonoloba (L.) Taub. beans show hypoglycemic and Etells protective effects in type 2 diabetic rats. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 66, 358-65	4.7	18
219	Synergistic effects of essential oil-based cream formulations against Culex quinquefasciatus Say and Aedes aegypti L. (Diptera: Culicidae). <i>Journal of Asia-Pacific Entomology</i> , <b>2014</b> , 17, 327-331	1.4	15
218	In vivo and in vitro immunomodulatory potential of swertiamarin isolated from Enicostema axillare (Lam.) A. Raynal that acts as an anti-inflammatory agent. <i>Inflammation</i> , <b>2014</b> , 37, 1374-88	5.1	17
217	Documentation and quantitative analysis of local ethnozoological knowledge among traditional healers of Theni district, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , <b>2014</b> , 154, 116-30	5	19
216	Gastroprotective effect of epoxy clerodane diterpene isolated from Tinospora cordifolia Miers (Guduchi) on indomethacin-induced gastric ulcer in rats. <i>Phytomedicine</i> , <b>2014</b> , 21, 966-9	6.5	26
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214	Bioefficacy of the triterpenoid friedelin against Helicoverpa armigera (Hub.) and Spodoptera litura (Fab.) (Lepidoptera: Noctuidae). <i>Pest Management Science</i> , <b>2014</b> , 70, 1877-1883	4.6	20
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211	Isolation, screening and partial purification of antimicrobial antibiotics from soil Streptomyces sp. SCA 7. <i>Kaohsiung Journal of Medical Sciences</i> , <b>2014</b> , 30, 435-46	2.4	58
210	Antioxidant and free radical scavenging effects of Emyrin isolated from S. cochinchinensis Moore. leaves. <i>Industrial Crops and Products</i> , <b>2014</b> , 61, 510-516	5.9	21
209	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> , <b>2014</b> , 224, 24-35	5	37
208	Lipolytic and antiadipogenic effects of (3,3-dimethylallyl) halfordinol on 3T3-L1 adipocytes and high fat and fructose diet induced obese C57/BL6J mice. <i>European Journal of Pharmacology</i> , <b>2014</b> , 740, 714-	2 <sup>5.3</sup>	17
207	Larvicidal and pupicidal activities of ecbolin A and ecbolin B isolated from Ecbolium viride (Forssk.) Alston against Culex quinquefasciatus Say (Diptera: Culicidae). <i>Parasitology Research</i> , <b>2014</b> , 113, 3477-8	4 <sup>2.4</sup>	16
206	Effect of Polygonum hydropiper L. against dengue vector mosquito Aedes albopictus L. <i>Parasitology Research</i> , <b>2014</b> , 113, 3143-50	2.4	14
205	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> , <b>2014</b> , 139, 67-76	3.2	32
204	Effect of pectolinaringenin, a flavonoid from Clerodendrum phlomidis, on total protein, glutathione S-transferase and esterase activities of Earias vittella and Helicoverpa armigera. <i>Phytoparasitica</i> , <b>2014</b> , 42, 323-331	1.5	14
203	Consensus analysis of sastric formulations used by non-institutionally trained siddha medical practitioners of Virudhunagar and Tirunelveli districts of Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , <b>2014</b> , 153, 290-6	5	5

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201	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> , <b>2014</b> , 83, 190-207	6.8	28
200	Expression of GroES TB antigen in tobacco and potato. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2014</b> , 119, 157-169	2.7	
199	Efficient plant regeneration from shoot apex explants of maize (Zea mays) and analysis of genetic fidelity of regenerated plants by ISSR markers. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2014</b> , 119, 183-196	2.7	15
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185	In vitro antioxidant and antihyperlipidemic activities of Toddalia asiatica (L) Lam. leaves in Triton WR-1339 and high fat diet induced hyperlipidemic rats. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 60, 135-40	4.7	21

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127	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> , <b>2012</b> , 88, 384-8	8.4	48
126	Differential defensive response of groundnut germplasms to Helicoverpa armigera (Hubner) (Lepidoptera: Noctuidae). <i>Journal of Plant Interactions</i> , <b>2012</b> , 7, 45-55	3.8	22
125	Bioefficacy of Ceasalpinea bonduc (L.) Roxb. against Spodoptera litura Fab. (Lepidoptera: Noctuidae). <i>Archives of Phytopathology and Plant Protection</i> , <b>2012</b> , 45, 1127-1137	1	16
124	Esitosterol prevents lipid peroxidation and improves antioxidant status and histoarchitecture in rats with 1,2-dimethylhydrazine-induced colon cancer. <i>Journal of Medicinal Food</i> , <b>2012</b> , 15, 335-43	2.8	80
123	Identification of a novel Calotropis procera protein that can suppress tumor growth in breast cancer through the suppression of NF- <b>B</b> pathway. <i>PLoS ONE</i> , <b>2012</b> , 7, e48514	3.7	24
122	RNA interference as a plausible anticancer therapeutic tool. <i>Asian Pacific Journal of Cancer Prevention</i> , <b>2012</b> , 13, 2445-52	1.7	20
121	In vitro and in vivo antioxidant activity of Symplocos cochinchinensis S. Moore leaves containing phenolic compounds. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 1604-9	4.7	20
120	Solanum torvum Swartz. fruit containing phenolic compounds shows antidiabetic and antioxidant effects in streptozotocin induced diabetic rats. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 2725-33	4.7	59
119	Antidiabetic effect of Symplocos cochinchinensis (Lour.) S. Moore. in type 2 diabetic rats. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 134, 298-304	5	39
118	Consensus of local knowledge on medicinal plants among traditional healers in Mayiladumparai block of Theni District, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 134, 354-62	5	62
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116	Lysosomal membrane stabilization and anti-inflammatory activity of Clerodendrum phlomidis L.f., a traditional medicinal plant. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 135, 779-85	5	16
115	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> , <b>2011</b> , 137, 523-33	5	54
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113	Antifungal activity of traditional medicinal plants from Tamil Nadu, India. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2011</b> , 1, S204-S215	1.4	31

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111	Applications of biotechnology and biochemical engineering for the improvement of Jatropha and Biodiesel: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2011</b> , 15, 5176-5185	16.2	30
110	Bioefficacy of Aristolochia tagala Cham. against Spodoptera litura Fab. (Lepidoptera: Noctuidae). <i>Saudi Journal of Biological Sciences</i> , <b>2011</b> , 18, 23-7	4	19
109	Antifeedant and larvicidal activities of Rhein isolated from the flowers of Cassia fistula L. <i>Saudi Journal of Biological Sciences</i> , <b>2011</b> , 18, 129-33	4	20
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106	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> , <b>2011</b> , 670, 623-31	5.3	47
105	Agrobacterium mediated transformation of indica rice (Oryza sativa L.) for insect resistance. <i>Euphytica</i> , <b>2011</b> , 179, 277-286	2.1	4
104	Therapeutic effect of Saraca asoca (Roxb.) Wilde on lysosomal enzymes and collagen metabolism in adjuvant induced arthritis. <i>Inflammopharmacology</i> , <b>2011</b> , 19, 317-25	5.1	11
103	Agrobacterium-mediated transformation of finger millet (Eleusine coracana (L.) Gaertn.) using shoot apex explants. <i>Plant Cell Reports</i> , <b>2011</b> , 30, 1759-70	5.1	69
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101	Normalizing effects of Costus speciosus rhizome crude extracts and its fractions on diabetic complications in STZ-induced diabetic rats. <i>Medicinal Chemistry Research</i> , <b>2011</b> , 20, 1111-1118	2.2	6
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98	A rapid system for micropropagation of Swertia chirata Buch-Ham. ex Wall.: an endangered medicinal herb via direct somatic embryogenesis. <i>Acta Physiologiae Plantarum</i> , <b>2011</b> , 33, 1123-1133	2.6	13
97	A rapid in vitro propagation of red sanders (Pterocarpus santalinus L.) using shoot tip explants. <i>Acta Physiologiae Plantarum</i> , <b>2011</b> , 33, 2501-2510	2.6	12
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95	Antifeedant and larvicidal activities of Acalypha fruticosa Forssk. (Euphorbiaceae) against Plutella xylostella L. (Lepidoptera: Yponomeutidae) larvae. <i>Journal of King Saud University - Science</i> , <b>2011</b> , 23, 11-16	3.6	16

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92	Herbivore induced plant volatiles: their role in plant defense for pest management. <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 1973-8	2.5	93
91	Role of salicylic acid in induction of plant defense system in chickpea (Cicer arietinum L.). <i>Plant Signaling and Behavior</i> , <b>2011</b> , 6, 1787-92	2.5	106
90	3'-Benzoyl-1'-methyl-4'-phenyl-spiro[acenaphthyl-ene-1(2H),2'-pyrrolidin]-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, o3002		2
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83	Immunomodulatory, analgesic and antipyretic effects of violacein isolated from Chromobacterium violaceum. <i>Phytomedicine</i> , <b>2010</b> , 17, 300-4	6.5	46
82	Chemopreventive potential of beta-Sitosterol in experimental colon cancer modelan in vitro and In vivo study. <i>BMC Complementary and Alternative Medicine</i> , <b>2010</b> , 10, 24	4.7	128
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80	Antioxidant activity of costunolide and eremanthin isolated from Costus speciosus (Koen ex. Retz) Sm. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 188, 467-72	5	69
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78	Antifungal and antifeedant activities of extracellular product of Streptomyces spp. ERI-04 isolated from Western Ghats of Tamil Nadu. <i>Journal De Mycologie Medicale</i> , <b>2010</b> , 20, 290-297	3	11
77	Antifungal activity of triterpenoid isolated from Azima tetracantha leaves. <i>Folia Histochemica Et Cytobiologica</i> , <b>2010</b> , 48, 311-3	1.4	8

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69	Genetic engineering of millets: current status and future prospects. <i>Biotechnology Letters</i> , <b>2009</b> , 31, 7	79 <del>₃</del> 88	47
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57	Insulin secretagogue effect of Ichnocarpus frutescence leaf extract in experimental diabetes: a dose-dependent study. <i>Chemico-Biological Interactions</i> , <b>2008</b> , 172, 159-71	5	11
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55	Ethnobotanical survey of folk plants for the treatment of snakebites in Southern part of Tamilnadu, India. <i>Journal of Ethnopharmacology</i> , <b>2008</b> , 115, 302-12	5	135
54	Influence of Costus speciosus (Koen.) Sm. Rhizome Extracts on Biochemical Parameters in Streptozotocin Induced Diabetic Rats. <i>Journal of Health Science</i> , <b>2008</b> , 54, 675-681		25
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51	Antimicrobial activity of Streptomyces spp. ERI-26 recovered from Western Ghats of Tamil Nadu. <i>Journal De Mycologie Medicale</i> , <b>2008</b> , 18, 147-153	3	49
50	Pharmacological Actions of Cassia auriculata L. and Cissus quadrangularis Wall.: A Short Review. <i>Journal of Pharmacology and Toxicology</i> , <b>2008</b> , 3, 213-221	0.4	7
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48	Regeneration of transgenic plants from two indica rice (Oryza sativa L.) cultivars using shoot apex explants. <i>Plant Cell Reports</i> , <b>2007</b> , 26, 1745-53	5.1	23
47	Antibacterial and antifungal activity of Cassia fistula L.: an ethnomedicinal plant. <i>Journal of Ethnopharmacology</i> , <b>2007</b> , 112, 590-4	5	91
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42	Anti-tumor promoting potential of luteolin against 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. <i>Chemico-Biological Interactions</i> , <b>2006</b> , 164, 1-14	5	95
41	Antimicrobial activity of some ethnomedicinal plants used by Paliyar tribe from Tamil Nadu, India. <i>BMC Complementary and Alternative Medicine</i> , <b>2006</b> , 6, 35	4.7	219

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35	Traditional knowledge of Kani tribals in Kouthalai of Tirunelveli hills, Tamil Nadu, India. <i>Journal of Ethnopharmacology</i> , <b>2005</b> , 102, 246-55	5	170
34	EFFECT OF NITROGEN AND CARBON SOURCES ON THE INORGANIC PHOSPHATE SOLUBILIZATION BY DIFFERENT ASPERGILLUS NIGER STRAINS. <i>Chemical Engineering Communications</i> , <b>2004</b> , 191, 1043-1	1052	27
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32	Antibacterial Screening of Tragia involucrata L. (Euphorbiaceae) 🖟 Tribal Used Medicinal Plant <b>2004</b> , 112-122		
31	High frequency in vitro propagation of Kidney Tea Plant. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2003</b> , 72, 83-86	2.7	7
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16	Effect of solvent residues of Vitex negundo Linn. and Cassia fistula Linn. on pulse beetle, Callosobruchus maculatus Fab. and its larval parasitoid, Dinarmus vagabundus (Timberlake). <i>Indian Journal of Experimental Biology</i> , <b>2000</b> , 38, 290-2		9
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5	Induced chromosomal abnormality and pollen sterility in wild and cultivated urd and mung beans <i>Cytologia</i> , <b>1989</b> , 54, 159-167	0.9	8

4	Nuclear DNA and RNA amounts in the wild and cultivated urd and mung beans and their M1 plants  Cytologia, <b>1988</b> , 53, 535-541	0.9	3
3	Vigna radiata var.Sublobata (Fabaceae): Economically useful wild relative of urd and mung beans. <i>Economic Botany</i> , <b>1987</b> , 41, 418-422	1.7	21
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