

Department of Botany

Publication Details (2015-2020)

Papers published in International and National Journals

S.No	Author(s)	Title of the Paper	Name of the Journal	Year of Publication	Vol. No./ Issue No.	Page No.	ISSN or ISBN
1	Nishana A S and M K Nisha	Statistical Optimization for Lipase Production by <i>Penicillium digitatum</i> obtained from Dairy effluent	Journal of Advanced Scientific Research	2021	12(2)	300-305	0976-9595
2	J. Manjunathan, Sowmiya Hari, Suresh Dhanraj, Amutha Swaminathan, R. Karthiyayini, B. Sampath kumar, D.Saravanan	Standardization of Various Growth Parameters and Antimicrobial Evaluation of Edible Mushroom, <i>Lentinus Tuberregium</i> (Fr.) Fr.	Design Engineering	2021	9	8635-8646	0011-9342
3	J.Manjunathan, Sowmiya Hari, B. Sampath Kumar,D.Saravanan, V. Ashoke Kumar,Amutha Swaminathan, R. Karthiyayini	In- Silico Screening of Novel Compounds from Mushroom <i>Lentinus Tuberregium</i> against Breast Cancer	Design Engineering	2021	9	8620-8634	0011-9342
4	Gayathri, V. and Dharshini, K.	Efficacy of <i>Azospirillum</i> , Phosphobacteria and Spent Mushroom Compost on the growth parameters of <i>Solanum lycopersicum</i> L.	Research Highlights JADU	2021	31 (4)	227-234	2231-2374
5	Manjula Devi, S. and Gayathri, V	A short Review on Organic Biofertilizers for a Sustainable Agriculture.	Research Highlights JADU	2020	30 (2)	106-112	2231-2374

6	M. Silpa and A.Vijayalakshmi	Effect of Cocoa Shell Biocompost to improve the growth parameter of cowpea (<i>Vigna unguiculata</i> (L) walp).	International Journal of current advanced research	2020	9	21114-21118	2319-6475
7	S.Hema and Vijayalakshmi. A	Effect of Bio –Composting process on Coffee Husk and its physico-chemical changes	Journal of Information and Computational Science.	2020	10	109-117	1548-7741
8	Silpa M and Vijayalakshmi. A	The Application of Biocomposted Agro-Industrial Wastes as Soil Supplement to Enhance the Biochemical Characters of <i>Vigna unguiculata</i> (L.) Walp	Proteus journal	2020	11(11)	1-13	0889-6348
9	Pinky Raihing & Vijayalakshmi. A	Effect of Vegetables and Fruit Waste Biocompost on the Protein and Carbohydrates Content of Black Gram (<i>Vigna mungo</i> L.)	Proteus Journal	2020	11(10)	127-135	0889-6348
10	Pinky Raihing & Vijayalakshmi. A	Biocomposting of fruit wastes into manure and its effects on the growth, chlorophyll content and yield parameters of Black Gram (<i>Vigna mungo</i> L.)	Proteus Journal	2020	11(10)	70-83	0889-6348
11	Rajashri R, Vijayalakshmi A, Silpa M, Raihing P and Gnanamani K	Effect of biocomposted vegetable and groundnut shell waste on the growth impact of Pigeon pea (<i>Cajanus cajan</i> (L.) mill sp.)	Int J Pharm Sci & Res 2021	2020	12(3)	1566-72	0975-8232
12	Shereena E.K, M K Nisha and Gaayathiri Devi E	Chitinase Production by <i>Aspergillus terreus</i> from marine waste and its efficacy in antifungal activity	International Journal of Advanced Research	2020	8 (09)	1399-1404	2320-5407

13	Gaayathiri Devi E and M K Nisha	Optimization of Tannase Production using Banana waste as substrate	International Journal of Recent Scientific Research	2020	11 (09)	39729-39731	0976-3031
14	R Karthiyayini and M Harsha Vardini	Pharmacognostic and Preliminary Phytochemical Screening of <i>Bauhinia tomentosa</i> L. Leaves	Acta Scientific Pharmaceutical Sciences	2020	4 (2)	12-14	2581-5423
15	R. Karthiyayini, M. Harsha Vardini and S. Amutha	Pharmacognostic, Physico Chemical and Preliminary Phytochemical Screening of <i>Phyllanthus acidus</i> (L.) Skeels. Leaves	European Journal of Pharmaceutical and Medical Research	2020	7(6)	658-661	2394-3211
16	J. Manjunathan, D. Saravanan, Shymala Gowri, Amutha Swaminathan, R. Karthiyayini and Sowmya Hari	Vitamin B12 Production From Sago Waste – A Short Review	Plant Archives	2020	20 (2)	5591-5595	0972-5210
17	Amutha Swaminathan, Deepika Krishnamoorthi, Lavanya Nallasamy and Karthiyayini Ramasamy	Phytochemical Analysis of <i>Calotropis gigantea</i> (Linn) and It's Biological Activities	World Journal of Pharmaceutical Research	2020	9(6)	1927-1946.	2277–7105
18	Amutha Swaminathan, Deepika Krishnamoorthi, Lavanya Nallasamy and Karthiyayini Ramasamy	Haploid Plant production from a potential medicinal plants <i>Calotropis gigantean</i> (Linn).	World Journal of Pharmaceutical Research	2020	9 (7)	1877-1888	2277–7105
19	Karthiyayini. R, M. Harsha Vardini and S. Amutha	Pharmacognostic, physico chemical and preliminary phytochemical screening of <i>Phyllanthus acidus</i> (l.) Skeels. Leaves.	<i>European Journal of Pharmaceutical And Medical Research,</i>	2020	7	658-661	2394-3211

20	J. Manjunathan , D. Saravanan , Shymala Gowri Amutha Swaminathan , R. Karthiyayini and Sowmya Hari	Vitamin B12 Production From Sago Waste – A Short Review	Plant Archives	2020	20 (2)	5591-5595	0972-5210
21	Gayathri, V. and K. Aiswariya.	Effect of Different Bio-fertilizers on the Chlorophyll, Nitrogen and Vitamin E Content in <i>Arachis hypogaeae</i> L. and <i>Sesamum indicum</i> L.	Agricultural Science Digest	2020	40 (1)	49-52	0976-0547
22	G.Sakthivigneswari, Savitha,P., Selvi, S. and Shrimathi, K.	Screening of Preliminary Phytochemical Analysis and Antibacterial activities of <i>Leucas aspera</i> (wild.) Link	World Journal of Pharmacy and Pharmaceutical Sciences	2020	9 (11)	2028-2035	2278 – 4357
23	Sangeetha, C and Nisha M K	Tannase Production by <i>Aspergillus Flavus</i> on Different Tannin Rich Substrates	Int J Recent Sci Res.	2019	10(3)	31516-31519	
24	Gayathri, V. and Anitha, D.	Effect of organic fertilizers on the biochemical parameters of <i>Abelmoschus esculentus</i> (L.) Moench and <i>Amaranthus tricolor</i> L	International Journal of Current Advanced Research	2019	8 (1)	pp. 16732-16736	2319-6475
25	Gayathri, V. and Malathi, R.	Effect of different Bio-fertilizers on the biochemical parameters of <i>Solanum nigrum</i> L. and <i>Amaranthus viridis</i> L.	International Journal of Recent Scientific Research	2019	10 (1)	pp. 30321-30325	0976-3031
26	Gayathri, V. and Malathi, R.	Study on the effect of different Bio-fertilizers on the growth of <i>Amaranthus viridis</i> L	International Journal of Current Advanced research	2019	8 (1)	pp. 16741-16745	2319-6475

27	Gayathri, V. and Anitha, D	Preliminary phytochemical screening of two vegetable crops <i>Abelmoschus esculentus</i> (L.) Moench and <i>Amaranthus tricolor</i> L. treated with organic fertilizers.	International Journal of Science and Nature	2019	10 (1)	pp. 48-53	2229-6441.
28	Aiswariya, K. and V. Gayathri	Effect of different bio-fertilizers on the growth and yield of sesame, <i>Sesamum indicum</i> L	International Journal of Recent Scientific Research	2019	10 (4)	pp. 32004-32008.	0976-3031
29	Gayathri, V. and K. Aiswariya.	April 2019 Influence of various bio-fertilizers on the growth and yield of ground nut <i>Arachis hypogaeae</i> L.	International Journal of Current Advanced Research	2019	8 (4)	pp. 18241-18245	2319-6475
30	Gayathri, V. and M. Sowntharya	Effect of different organic fertilizers on the growth and yield of lady's finger, <i>Abelmoschus esculentus</i> (L.) Moench.	International Journal of Current Advanced Research	2019	8 (6)	19053-19058	2319-6475
31	Gayathri, V. and M. Sowntharya	Influence of various organic fertilizers on the growth and yield of chilli, <i>Capsicum annum</i> L.	International Journal of Research and Analytical Reviews	2019	6 (2)	118-133	2348-1269
32	A. Vijayalakshmi and Karthiyayini R	Effect of vermicompost on biochemical content of two Indian green leafy vegetables.	International Journal of Pharmaceutical Sciences and Research	2018	9	4446-4450	0975-8232
33	G. Sakthivigneswari and Vijayalakshmi	Effect of biocomposted corncob and coirpith on protein and carbohydrate content of soybean <i>Glycine max</i> L (Merril) var Co.7 soy.3	International Journal of Recent Scientific Research.	2018	9	28829-28832	0976-3031
34	Karthiya V and Vijayalakshmi A	Pharmacognostic and preliminary phytochemical analysis of <i>Millintonia hortensis</i> L. and <i>Tecoma stans</i> L.	International Journal of Recent Scientific Research	2018	9(11)	29563-29566	0976-3031

35	K. Gnanamani Vijayalakshmi, A and G. Sakthivigneswari	Vermicomposted coir pith as a soil supplement to enhance yield parameters of cluster bean (<i>Cyanopsis tetragonoloba</i> L)	Asian journal of multidimensional research	2018	7(5)	346-350	2278-4853
36	G Shajitha and M K Nisha	Tannase production from agro-wastes as substrate by <i>Trichoderma viride</i>	International Journal of Current Research in Life Sciences	2018	7 (5)	1994-1997	
37	A. Vijayalakshmi and R. Karthiyayini	Effect of Vermicompost on Biochemical content of two Indian Green Leafy Vegetables	International Journal of Pharmaceutical Sciences and Research	2018	9(10)	1000-1004	0975-8232
38	Gayathri V and Anitha D	Effect of different organic fertilizers on the growth parameters of <i>Abelmoschus esculentus</i> (L.) Moench.	International Journal of Recent Scientific Research	2018	9(7)	28219-28223	0976-3031
39	Gayathri, V. and Malathi, R.	Effect of different Bio-fertilizers on the growth of <i>Solanum lycopersicum</i> L.	International Journal of Current Advanced research	2018	7 (8)	14599-14603	2319-6475
40	Gayathri, V. , D. Anitha	Effect of different organic fertilizers on the growth of <i>Amaranthus tricolor</i> (L.)	International Journal of Pharmacognosy and Phytochemical Research	2018	10 (12)	363-366	0975-4873
41	G. Sakthivigneswari and Vijayalakshmi, A	Effect of Biocomposted Corncob and Coirpith On Protein and Carbohydrate Content of Soybean <i>Glycine Max</i> L.(Merill) Var. Co. 7 Soy 3	International Journal of Recent Scientific Research	2018	9(9)	28829-28832	0976-3031
42	Sakthivigneswari, G. and Vijayalakshmi A.	Recycling of agro-industrial wastes utilized for the enhancement of growth and yield of <i>Solanum surratense</i> Burm.f.	World Journal of Pharmacy and Pharmaceutical Sciences,	2017	6	672-685	2278 – 4357

43	Gayathri Vaidyanathan and Dr. Annamalai Vijayalakshmi	Effect of vermicompost on Growth and yield of Tomato	European Journal of Pharmaceutical and Medical Research	2017	4(9)	653-656	2394-3211
44	A. Vijayalakshmi and Gayathri V	Effect of vermicompost on biochemical parameters of chili plant, <i>Capsicum annum</i> L.	International Journal of Recent Scientific Research	2017	8	22643-22645	0976-3031
45	V. Gayathri and Vijayalakshmi	Effect of vermicompost on growth and yield of tomato	European Journal of Pharmaceutical and Medical Research	2017	4(9)	653-656	2394-3211
46	A. Vijayalakshmi and Gayathri.V	Effect of vermicompost on the growth and yield of chili	International Journal of Recent Scientific Research	2017	8	19540-19542	0976-3031
47	A. Vijayalakshmi and Karthiyayini R	Vermicompost as soil supplement to improve germination and growth of <i>Trigonella Foenum-graecum</i> Linn	International Journal of Current Advanced Research	2017	6	5032-5034	2319-6475
48	R. Karthiyayini and Vijayalakshmi, A	Effect of vermicompost on germination and growth of black night shade (<i>Solanum nigrum</i> Linn.)plant	International of Journal of Recent Scientific Research	2017	8	19025-19028	0976-3031
49	G. Sakthivigneswari and Vijayalakshmi A	Biocomposting technology and microbial population of agroindustrial waste using <i>Pleurotus sajor-caju</i> and earthworm (<i>Eudrilus eugeniae</i>).	International Journal of Pharma and Bio Sciences	2017	8(2)	679-685	0975-6299
50	A.Vijayalakshmi, G. Sakthivigneswari And Suganya J	Enzymatic and non-enzymatic Antioxidant Activity of Leaf extracts of <i>Aegle marmelos</i> L. and <i>Centella asiatica</i> L	International Journal of Pharmaceutical Research	2017	9(3)	38-41	0975-2366

51	R. Karthiyayini	Studies on Pre- germination Seed Treatment of a Traditional Medicinal Plant - <i>Madhuca longifolia</i> L.	International Journal of Advanced Research	2017	5(3)	2316-2319.	2320-5407
52	R. Karthiyayini	Effect of Seed Size on Seed Germination of <i>Aegle marmelos</i> , (L.) Corr., Tamilnadu India	International Journal of Advanced Research	2017	5(3)	2320-2323.	2320-5407
53	R. Karthiyayini	Effect of Pretreatments on Seed Germination and Seedling Growth of Size Graded <i>Aegle marmelos</i> (L.) Corr. Seeds	International Journal of Current Research	2017	9(3)	48545-48547.	0975-833X
54	R. Karthiyayini	Dormancy breaking treatments on size graded seeds of <i>Strychnos nux-vomica</i> Linn.	International Journal of Current Research	2017	9(3)	48548-48550	0975-833X
55	R. Karthiyayini and A. Vijayalakshmi	Vermicompost as soil supplement to improve germination and growth of <i>Trigonella foenum- graecum</i> Linn.	International Journal of Current Advanced Research	2017	6 (8)	5032-5034.	2319-6475
56	R. Karthiyayini and A. Vijayalakshmi	Effect of vermicompost on germination and growth of black nightshade (<i>Solanum nigrum</i> Linn.) Plant.	International Journal of Recent Scientific Research	2017	8(8)	19025-19028	0976-3031
57	R. Karthiyayini, M, Ramaprabha and Manjusha P. S	Assessment of air pollution tolerance index of plant species growing near metal casting foundries around Peelamedu, Coimbatore.	International Journal of Advanced Research	2017	5(3)	723-728.	2320-5407

58	Karthiyayini R and Dhanya P	Pharmacognostic and preliminary phytochemical studies on the leaf extracts of <i>cadaba fruticose</i> (L.) druce.	International Journal of Recent Scientific Research	2017	8(9)	20104-20106	0976-3031
59	Gayathri, V. and Silpa, M	Biochemical Analysis of two medicinal plants - <i>Annona squamosa</i> (L.) and <i>Garcinia gummi-gutta</i> (L.) Roxb.	International Journal of Development Research	2017	7(12)	pp. 14646-14648	2230-9926
60	Silpa, M. and Gayathri, V	Preliminary phytochemical screening of two medicinal plants – <i>Annona squamosa</i> (L.) and <i>Garcinia gummi-gutta</i> (L.) Roxb.	International Journal of Pharmacy and Pharmaceutical Research	2017	10(1)	pp. 159-165	2349-7203
61	Gayathri Vaidyanathan and Dr. Annamalai Vijayalakshmi	Effect of vermicompost on Growth and yield of Tomato	European Journal of Pharmaceutical and Medical Research	2017	4(9)	pp. 653-656	2394-3211
62	Vijayalakshmi, A. and Gayathri, V.	Effect of vermicompost on the growth and yield of Chilli.	International Journal of Recent Scientific Research	2017	8(8)	pp. 19540-19542	0976-3031
63	Gayathri V and Vijayalakshmi A	Effect of Vermicompost on biochemical constituents of tomato plant	International Journal of Current Advanced Research	2017	6(9)	pp. 5963-5965	2319-6475
64	Vijayalakshmi A and Gayathri V	Effect of Vermicompost on Biochemical parameters of Chilli plant, <i>Capsicum annum</i> L	International Journal of Recent Scientific Research	2017	8(12)	pp. 22643-22645	0976-3031.
65	C. Sajitha, Vijayalakshmi, A and Sakthivigneswari, G	Effect of pressmud farmyard manure gypsum and zinc sulphate for enhanced	Research highlights	2016	24	191-197	2231-2374

		crop productivity in cow pea (<i>Vigna unguiculata</i> L.)					
66	G. Sakthivigneswari and Vijayalakshmi A.	Biocompost as soil supplement to improve vegetative Growth and yield of solanum nigrum (L.)	World Journal of Pharmacy and Pharmaceutical Sciences	2016	5	753-762	2278 – 4357
67	G. Sakthivigneswari and Vijayalakshmi A.	Influence of organic manures on leghaemoglobin content in nodules of Glycine max (L.) Merril. and <i>Vigna acontifolia</i> (Jacq.) Marechal	Journal of Applied and Pure Science and Agriculture	2016	2	109-113	2394-5532
68	Anju Singh & A.Vijayalakshmi	Utilization and effect of composted coirpith, composted pressmud, farmyard manure and NPK on leghaemoglobin content in nodules of black Cluster bean (<i>Cyamopsis tetragonoloba</i> (L.) Taub)	International Journal of Applied and Pure Science and Agriculture	2016	02	78-80	2394-5532
69	Anju Singh & A.Vijayalakshmi	Conjugated effect of composted coirpith, composted pressmud, farmyard Manure and npk on soil enzyme activities and nutrient status of Post harvested soil of clusterbean <i>Cyamopsis tetragonoloba</i> L. (taub) var. Pusa navbahar)	International Journal of Development Research	2016	6	6863-6866	2230-9926
70	A.Vijayalakshmi, G. Sakthivigneswari and Suganya J	Pharmacognostic and preliminary phytochemical analysis of <i>Aegle marmelos</i> L. and <i>Centella asiatica</i> L	International Journal of Applied and Pure Sciences and Agriculture	2016	2(3)	55-59	2394-5532
71	G. Sakthivigneswari and Vijayalakshmi A	Effect of different biocomposting techniques on physiological chemical changes in corncob	South Indian Journal of Biological Sciences	2016	2	61-65	2454-4787

72	Nisha M K and Kalaiselvi M	Effect of carbon and nitrogen sources on pectinase by <i>Paecilomyces varioti</i>	Int.J. Curr. Adv. Res.	2016	5(5)	874-877	2319-6475
73	M Ramaprabha and R Karthiyaiini	Enumeration of air pollution tolerance index of plants growing in urban and industrial areas of Ganapathy, Coimbatore, Tamilnadu,	Pollution Research	2016	35(1)	59-65	0257-8050
74	R. Karthiyayini and K. Nithya	In vitro antioxidant activity of different leaf extract of <i>Celosia argentea</i> L.	International Journal of Pharmacognosy and Phytochemical Research	2016	8(10)	1583-1586	0975-4873
75	Gayathri, V. and Pukendran, S	Survey of blue-green algal flora of government arts college, Coimbatore	International Journal of Current Research	2016	8 (4)	29142-29144	0975-833X
76	Gayathri, V., Anandhapriya, V., Keerthiga, R. and Nasrin Fathima, M.	Vegetable compost preparation and growth of plants	International Journal of Current Research	2016	8(4)	29123-29126	0975-833X
77	Gayathri, V. and A. Karthika	Study of biochemical parameters of two medicinal plants – <i>Solanum nigrum</i> L. and <i>Leucas aspera</i> (Willd.) Linn.	International Journal of Current Research	2016	8(8)	36666-36668	0975-833X
78	Gayathri, V. and V. Bindhu	Preliminary phytochemical screening of <i>Chromolaena odorata</i> L. R.M.King & H.Rob. and <i>Adhatoda vasica</i> Nees	International Journal of Current Research	2016	8(9)	39245-39247	0975-833X
79	V. Gayathri and A. Karthika	Preliminary Phytochemical Screening of two medicinal plants – <i>Solanum nigrum</i> Linn. and <i>Leucas aspera</i> (Willd.) Linn	International Journal of Pharmacognosy	2016	3(12)	pp. 517-520	2348-3962

80	R. Karthiyayini	Allelopathic potential of <i>Leuca saspera</i> (Willd.)Link. On germination and seedling growth of <i>Cajanus scajan</i> (L.) Millsp	International Journal of Current Research	2015	7(1)	11395-11397	0975-833X
81	R. Karthiyayini	Pharmacognostic and preliminary phytochemical studies on the Leaf extracts of <i>Digera muricata</i> (L.) Mart	International Journal of Current Research	2015	7(3)	13678-13680	0975-833X
82	R. Karthiyayini and M. Ramaprabha	Preliminary phytochemical and Pharmacognostic investigation of <i>Solanum nigrum</i> L. Leaf extracts.	International Journal of Developmental Research	2015	5 (10)	5633-5635	2230-9926
83	R. Karthiyayini and K. Nithya	Pharmacognostic and preliminary phytochemical studies of <i>Celosia argentea</i> L. Leaf	International Journal of Pharmacognosy and Phytochemical Research	2015	7(2)	237-239	0975-4873
84	Raaman Nanjian, Sriram Chandrasekaran, Divakar Samidurai, Amutha swaminathan, Leeba Balan and Punitha Natarajan	Micropropagation, qualitative phytochemical analysis and antioxidant potential of <i>Indigofera aspalathoides</i> Vahl. ex. DC.	<i>International Journal of phytomedicine and related industries,</i>	2015	7	95-102	0975-4261
85	V. Gayathri and D. Kiruba	Fluorescence analysis of two medicinal plants – <i>Psidium guajava</i> and <i>Citrus aurantium</i>	International Journal of Pharmaceutical Sciences and Research	2015	6(3)	1279-1282	0975-8232
86	Gayathri, V. and Anusuya, S	Preliminary growth studies in rice seedlings	International Journal of Current Research	2015	7(4)	14949-14952	0975-833X
87	Gayathri, V. and Anusuya, S	Assessment of biochemical parameters in paddy seedlings	International Journal of Current Research	2015	7(6)	pp. 17260-17263	0975-833X

88	V. Gayathri, Nesiriya, M., Karthika, A. and Jisha Sebastian	Study on the growth of vegetable crops using Panchagavya	International journal of Current Research	2015	7(10)	21093-21096	0975-833X
89	Nisha, M.K. and Padmaja, C.K.	Optimization of pectinase activity by <i>Paecilomyces variotii</i>	International Journal of Current Research	2014	6(10)	pp.9061—9064,	
90	Karthiyayini R., Asha Thomas and Ponnammal N. R.	Effect of microbial biofertilizers on growth and biomass accumulation in Polypotted <i>Limonia acidissima</i> L. Seedlings.	International Journal of Current Research.	2013	5 (03)	413-414	0975-833X
91	Nisha M. K.	Efficacy of purified pectinase obtained from <i>Paecilomyces variotii</i> in extraction and clarification of juice from grapes and pomegranate fruits	<i>Int J Pharma and Bio Sciences</i>	2016	7(4)	479 – 484	0975-6299
92	Nisha M. K.	Process Optimization for Bioscouring of Cotton Fabrics with Pectinase obtained from <i>Paecilomyces variotii</i>	Int.J.Curr.Microbiol.App. Sci (2016) IF: 2.937	2016	5(6)	292-299	
93	Gayathri, V. and V. Bindhu	Analysis of biochemical parameters of <i>Chromolaena odorata</i> L. R.M.King & H.Rob. and <i>Adhatoda vasica</i> Nees	International Journal of Pharmacy and Pharmaceutical Research	2016	6(4)	541-547	2349 7203