

## List of Publications

1. **Gopika Baiju B S, Lekshmi S, Swapna T S** (2021) Evaluation of nutritional, phytochemical and anti-diabetic properties of two underutilized leafy vegetables *Basella alba* L. and *Basella rubra* L., International Journal of Botany Studies, Volume 6, Issue 6, 2021, Page No. 433-437, ISSN: 2455-541X
2. **Lakshmi M.V. and Swapna T.S** (2021) Phytochemical and Pharmacological Perspectives of *Memecylon randerianum* S.M. Almeida & M.R. Almeida: A Mini Review, Indian Journal of Natural Sciences Vol.12 / Issue 68 / October / 2021 ISSN: 0976 – 0997
3. **Athira V Anand and T S Swapna** (2021) Antineoplastic efficacy of *Smilax wightii* A.Dc. (Smilacaceae) and its steroidal saponins: *in vitro* to *in silico* approaches (2021) Accepted in Journal of Applied Biological Sciences ( web of science)
4. **Lakshmi M.V. and Swapna T.S** (2021) A computational study on Cosmosiin, an antiviral compound from *Memecylon randerianum* S.M. Almeida & M.R. Almeida, Medicinal Plants Vol. 13 (3), September 2021, 515-523, doi : 10.5958/0975-6892.2021.00059.9 ISSN 0975-4261, <https://www.scopus.com/sources.uri>
5. **Riyas Chakkinga Thodi, Junaida M. Ibrahim, Vivek Arinchedathu Surendran, Achuthsankar S. Nair, and Swapna Thacheril Sukumaran** (2021) Rutaretin10-(600-sinapoylglucoside): promising inhibitor of COVID 19 mpro catalytic dyad from the leaves of *Pittosporum dasycaulon* miq (Pittosporaceae), Journal of Biomolecular Structure and Dynamics, Impact factor-3.39, <https://mjml.clarivate.com/search-results> <https://doi.org/10.1080/07391102.2021.1972841>, Print ISSN: 0739-1102 Online ISSN: 1538-0254
6. **Riyas C T and T S Swapna** (2021) Metabolic profiling through GC-HRMS analysis of ethnomedicinal species *Pittosporum dasycaulon* MIQ. (Pittosporaceae), International Journal of Botany Studies, Volume 6, Issue 4, 2021, Page No. 19-27, ISSN: 2455-541X
7. **Niveditha k and Swapna T S** (2021) Cellulose-Plant Based Biopolymer, in Biomass, Biofuels, Biochemicals Biodegradable Polymers and Composites - Process Engineering to Commercialization, Ed by P Binod, Sindhu R and A Pandey, published by Elsevier Publishers, 53-74, ISBN: 978-0-12-821888-4

8. Lekshmi M V and T S Swapna (2021) *Memecylon randerianum*: A natural source of bioactive phytochemicals, International Journal of Botany Studies, 6(2) 577- 581, ISSN: 2455-541X ( Web of Science listed)
9. Lekshmi S and T S Swapna (2021) *In vitro* Hepatoprotective activity of *Anaphyllum wightii* Schott.–An endemic plant of Southern Western Ghats, International Journal of Botany Studies, 6(2) 529- 532, ISSN: 2455-541X ( Web of Science listed)
10. Lakshmi M. V. and Swapna T. S. (2021) Antimicrobial Compounds From The Leaves of *Memecylon Randerianum*- An Ethnomedicinal Plant of Southern Western Ghats, in Plant Genetic Resource Utilization: An Appraisal, Ed by T S Swapna, S Suhara Beevy, P M Radhamany, Published by Department of Botany, University of Kerala, 103-112, ISBN: 978-81-951912-4-6
11. Anchitha T. Rajan and Swapna T. S (2021) Evaluation of Antibiofilm Potential of Methanolic Extract of *Hyptis suaveolens* (L.) Poit., in Plant Genetic Resource Utilization: An Appraisal, Ed by T S Swapna, S Suhara Beevy, P M Radhamany, Published by Department of Botany, University of Kerala, 149-155, ISBN: 978-81-951912-4-6
12. Lekshmi S. and Swapna T. S. (2021) In Vitro Antidiabetic Potential of *Anaphyllum Wightii* Schott.- An Endemic Plant of Southern Western Ghats , in Plant Genetic Resource Utilization: An Appraisal, Ed by T S Swapna, S Suhara Beevy, P M Radhamany, Published by Department of Botany, University of Kerala, 186-198, ISBN: 978-81-951912-4-6
13. Vivek A. S. and Swapna T. S. (2021) Evaluation of Pharmacokinetics And Drug-Likeness of Taxifolin from *Spatholobus parviflorus*: An In-Silico Approach, in Plant Genetic Resource Utilization: An Appraisal, Ed by T S Swapna, S Suhara Beevy, P M Radhamany, Published by Department of Botany, University of Kerala, 205-215, ISBN: 978-81-951912-4-6
14. Athira V. Anand and Swapna T. S. (2021) Phytochemical Profiling of An Endemic Medicinal Plant *Smilax wightii* A. Dc. (Smilacaceae) Through GC-MS, in Plant Genetic Resource Utilization: An Appraisal, Ed by T S Swapna, S Suhara Beevy, P M Radhamany, Published by Department of Botany, University of Kerala, 236-251, ISBN: 978-81-951912-4-6
15. Devi Chinmayee M. and Swapna T. S (2021) Application of biodiesel plant (*Jatropha curcus* L.) for phytoremediation of heavy metal contaminated soil , in Plant Genetic

Resource Utilization: An Appraisal, Ed by T S Swapna, S Suhara Beevy, P M Radhamany, Published by Department of Botany, University of Kerala, 156-163, ISBN: 978-81-951912-4-6

16. Pradeesh S. and Swapna T. S. (2021) Tissue Culture Studies of A Wild Leafy Vegetable from Southern Western Ghats-Bidens Biternata (Lour.) Merr. & Sheriff in Plant Genetic Resource Utilization: An Appraisal, Ed by T S Swapna, S Suhara Beevy, P M Radhamany, Published by Department of Botany, University of Kerala, 83-92, ISBN: 978-81-951912-4-6
17. Shahinas S., Lakshmi M. V. & Swapna T. S. (2020) Phytochemical and pharmacological evaluation of Merremia tridentata (L.) Hallier F.- An appraisal, Abrahamia- An International Journal of Plant Sciences, Vol. 6 (2) 112-121, ISSN: 2395-4108
18. Athira V Anand and T S Swapna (2020) Antihyperglycemic, Antioxidant and Hepatoprotective Properties of Smilax wightii A.DC. : an Endemic Plant of Western Ghats, International Journal of Pharmaceutical Sciences and Drug Research, 12(6):1-7, [ISSN: 0975-248X, DOI: 10.25004/IJPSDR.2020.120600
19. S. R. Saranya Krishnan, R. Sreelekshmi, E. A. Siril, Swapna T S (2020), Cell and Protoplast Culture for Production of Plant Metabolites in Plant Metabolites: Methods, Applications and Prospects, Springer Publishers Ed by Swapna TS, Shiburaj S and Sabu A, 71-88, ISBN 978-981-15-5135-2 (print)\_978-981-15-5136-9 (online), <https://link.springer.com/book/10.1007/978-981-15-5136-9>.
20. Lekshmi S, Riyas CT and Swapna TS (2020) Ethnomedicine and Role of Plant Metabolites, in Plant Metabolites: Methods, Applications and Prospects, Springer Publishers Ed by Swapna TS, Shiburaj S and Sabu A, 181-216, ISBN 978-981-15-5135-2 (print)\_978-981-15-5136-9 (online), <https://link.springer.com/book/10.1007/978-981-15-5136-9>.
21. Lakshmi M V, SureshKumar M, Swapna TS (2020)Algal Metabolites and Phyco-Medicine, in Plant Metabolites: Methods, Applications and Prospects, Springer Publishers Ed by Swapna TS, Shiburaj S and Sabu A, 291-316, ISBN 978-981-15-5135-2 (print)\_978-981-15-5136-9 (online), <https://link.springer.com/book/10.1007/978-981-15-5136-9>.
22. Athira V Anand, vivek AS and Swapna T S (2020) Bioactive Metabolites in Gymnosperms, in Plant Metabolites: Methods, Applications and Prospects, Springer

Publishers Ed by Swapna TS, Shiburaj S and Sabu A, 317-346, ISBN 978-981-15-5135-2 (print)\_978-981-15-5136-9 (online), <https://link.springer.com/book/10.1007/978-981-15-5136-9>

23. Praseetha S, Swapna T S, Resmi R, Shiburaj R (2020) Plant Metabolites Against Enteropathogens, in Plant Metabolites: Methods, Applications and Prospects, Springer Publishers Ed by Swapna TS, Shiburaj S and Sabu A, 397-520, ISBN 978-981-15-5135-2 (print)\_978-981-15-5136-9 (online), <https://link.springer.com/book/10.1007/978-981-15-5136-9>
24. S Lekshmi & **TS Swapna** (2020) In vitro anticancer potential of *Anaphyllum wightii* Schott. against Dalton's lymphoma ascites cell lines and molecular docking studies of  $\beta$ -sitosterol, Indian Journal of Experimental Biology, 58(8), 522-526, ISSN: 0019-5189 (Print); 0975-1009 (Online)
25. Martha Gómez-Martínez, **T. S. Swapna**, Francisco CastilloReyes, Lluvia de Abril Alexandra Soriano-Melgar, Francisca Ramírez-Godina, Hermila Trinidad García-Osuna, Ileana Vera-Reyes, Adriana Carolina Flores-Gallegos, and Raúl Rodríguez-Herrera (2020) Plant Tissue Culture and its Biotechnological Applications in : Advances in Food Bioproducts and Bioprocessing Technologies, CRC Press,Taylor & Francis group, Edited by Mónica Lizeth Chávez-González, Nagamani Balagurusamy, and Cristóbal N. Aguilar, ISBN 9781138544222 (hardback) | ISBN 9780429331817 (ebook)
26. **Shilpa VS, Lekshmi S and Swapna TS** (2020) In vitro antidiabetic potential of *Euphorbia hirta* Linn.: A nutritionally significant plant Journal of Pharmacognosy and Phytochemistry, 9(1): 01-04 E ISSN- 2278-4136, p ISSN- 2349-8234. UGC List No-45051
27. **Anugraha A S, S Lekshmi & TS Swapna (2020)** Nutritional Analysis of Ten Underutilised Wild Edible Plants of Wayanad, International Journal of Pharmacy and Pharmaceutical Research, International Journal of Pharmacy and Pharmaceutical research, vol 20 (1), 288-301, ISSN 23497203
28. **Riyas C T, Arun R Pillai, Kamarudeenhunju M and T S Swapna** (2019) A review on phytochemical, ethnomedicinal and pharmacological studies of genus *Pittosporum* (Pittosporaceae), in India, Journal of Pharmacognosy and Phytochemistry, 8(2), 155-162. E ISSN- 2278-4136, p ISSN- 2349-8234. UGC List No-45051.

29. **Rincymol B. S. , Athira V. Anand, Paul Raj L. S.and Swapna T. S.** (2019) Nutritional and antioxidant potential of *Cnidoscolus aconitifolius* (Mill.) I. M. Johnst., *Abrahamia*, Vol. 5 (2) 54-59 2019 ISSN: 2395-4108
30. **Athira V. Anand and T. S. Swapna** (2019) *In silico* Investigation of ADMET Properties and Target Prediction of a Bioactive molecule Identified from *Smilax wightii* A.DC. presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p-482
31. **Gopika BS and Swapna TS** (2019) A comparative study of nutritional components of *Basella alba* (L.) and *Basella rubra* (L.) leaves with *Amaranthus spp.* presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p-381
32. **Lakshmi. M. V and Swapna. T. S (2019)** Detection of Antimicrobial compounds from Methanolic Leaf extract of *Memecylon randerianum* through GC-MS analysis, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p-198
33. **Lekshmi.S and Swapna. T. S (2019)** Alpha-amylase and alpha-glucosidase inhibitory potential of *Anaphyllum wightii* Schott. – an ethnomedicinal plant, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p-502
34. **Meera shaji and Swapna T. S (2019)** Nutritional profiling of *Hibiscus hispidissimus* Griff. – an ethno medicinal plant, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6,p-573
35. **Praseetha, Shiburaj S. and Swapna T.S. (2019)** Antimicrobial and Anti-Biofilm Activities of Methanolic Extracts Derived from Selected Medicinal Plants, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic

Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p-231

36. **Anchitha.T.Rajan and Swapna.T.S** (2019) Evaluation of antibacterial potential of methanolic extract of *Hyptis suaveolens*(L.) Poit., presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p-350
37. **Geetha Mini D and T.S. Swapna** (2019) Unraveling the Antimicrobial potential of Methanolic extract of *Sargassum swartzii* C.Agardh, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6,p-380
38. **Vivek A S, Swapna T S** (2019) LC-MS Profiling of Taxifolin in *Spatholobus parviflorus* (Roxb. Ex Dc.) Kuntze. presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p-567
39. **Riyas C T and Swapna T S** (2019) In vitro Antioxidant activity of *Pittosporum dasycaulon* Miq., presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, P-528
40. **Pradeesh S, Praveena P and Swapna T S** (2019) In vitro Conservation of a Wild Leafy Vegetable from Western Ghats – *Bidens biternata* (Lour.) Merr. & Sheriff. presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Proceedings published by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019 ISBN 978-81-940888-0-6, p70
41. **Pradeesh S. and Swapna T S** (2018) Isolation and Characterisation of quercetin from *Bidens biternata* (Lour.) Merr. and Sheriff – an ethno medicinal plant of Kerala, **Science Chronicle**, Vol 8 (No 1&2), ISSN: 2319-6955.

42. **T S Swapna and G S Nikhila (2018)** *In vitro* root induction - an improved system for production and elicitation of colchicine from *Gloriosa superba* L. **Indian Journal of Experimental Biology**, Vol-56 pp519-525 (Impact factor-1.475) ISSN: 0975-1009 (Online) ISSN: 0019-5189 (Print)
43. **Pradeesh S and Swapna T. S (2018)** Antioxidant activity in leaves of *Sesbania grandiflora* (L.) Pers., **Asian Journal of Pharmaceutical and Clinical Research**, Vol.1(1), 116-119, Online-2455-3891, Print- 0974-2441
44. **Athira V Anand and T. S. Swapna (2018)** Phytochemical Profiling and the Antibacterial Potential of *Smilax wightii* A.DC. Against Selected 1032 Human Pathogenic Bacteria, **Trends in Biosciences** 11(7), Print : ISSN 0974-8431, 1032-1037, NAAS rating-2.7, UGC list number-35051
45. **M. Devi Chinmayee, G. Sangeetha, G.S. Nikhila, I. Mini, and T.S. Swapna (2018)** Protein Profiling Alteration in Response to Heavy Metal Accumulation in *Alternanthera sessilis* 1038 R Br. With Special Reference to Metallothionein , **Trends in Biosciences** 11(7), Print : ISSN 0974-8431, 1038-1047
46. **Sangeetha G. and Swapna T. S, (2018)** Anticancerous Potential of In vivo and In vitro Developed Roots of *Pseudarthria viscida* (L.) 1320 Wight & Arn. **Trends in Biosciences** 11(7), Print : ISSN 0974-8431, 1320-1327
47. **Mary Sheeba A, Mahesh B, Remakanthan A, Swapna T S and Mini I (2018)** Partial Genomic Sequencing of Phytochelatin Involved in Heavy Metal Tolerance of *Amaranthus Spinosa* L., **Trends in Biosciences** 11(7), Print : ISSN 0974-8431, 1373-1377
48. **Pradeesh S and Swapna T. S (2018)** Anticancer potential of *Bidens biternata* (Lour.) Merr. & Sheriff – An Ethno Medicinal Plant of 1394 Wayanadu District of Kerala, **Trends in Biosciences** 11(7), Print : ISSN 0974-8431, 1394-1397
49. **Lekshmi. S and T.S. Swapna (2018)** Preliminary Analysis of Nutritional factors in the Rhizome of *Anaphyllum wightii* Schott., **Trends in Biosciences** 11(7), Print : ISSN 0974-8431, 1511-1514.
50. **Kumar S.S., Swapna T.S., Sabu A. (2018)** Coffee Husk: A Potential Agro-Industrial Residue for Bioprocess. In: **Waste to Wealth. Energy, Environment, and Sustainability**. Singhania R., Agarwal R., Kumar R., Sukumaran R. (eds) **Springer**,

Singapore, 97-109, Print ISBN978-981-10-7430-1, Online ISBN978-981-10-7431-8, DOI10.1007/978-981-10-7431-8\_6

51. **A S Ninawe and T S Swapna** (2017) Orchid diversity of northeast india-Traditional knowledge and strategic plan for conservation, **J.Orchid Soc. India.**, 31,41-56. ISSN 0971-5371.
52. **Pradeesh S & T S Swapna** (2017) Enzymatic and non-enzymatic antioxidants in tribal leafy vegetable *Bidens biternata* (Lour.) Merr. & Sheriff, **Journal of Medicinal and Aromatic Plant Sciences** 39(2-4), 2017; 93-100, ISSN: 0253-7125
53. **Nikhila G. S., Sangeetha G., Devi Chinmayee M., Preetha T. S. & Swapna T. S** (2017) *In vitro* multiple shooting, root tuberization and evaluation of anti-inflammatory properties of *Gloriosa superba* L. **Abrahamia**, Vol. 3 49-57 ISSN: 2395-4108
54. **T.S. Swapna, A.S. Ninawe, and Sabu Abdulhameed** (2017) **Probiotics, In: Bioresources and Bioprocess in Biotechnology Volume 2: Exploring Potential Biomolecules**, Edited by Shiburaj Sugathan, N.S. Pradeep and Sabu Abdulhameed, **Springer Publishers**, Singapore, 383- 406, ISBN 978-981-10-4282-9 ISBN 978-981-10-4284-3 (eBook) DOI 10.1007/978-981-10-4284-3.
55. **Nimisha Vijayan, T.S. Swapna, G. Seghal Kiran, and Sabu Abdulhameed** (2017) **Medicinal Plants of India: Implications in Modern Medicine, In: Bioresources and Bioprocess in Biotechnology Volume 1: Status and Strategies for Exploration**, Edited by Sabu Abdulhameed, N.S. Pradeep and Shiburaj Sugathan, **Springer Publishers**, Singapore, Vol.1, 421-443, ISBN 978-981-10-3571-5 ISBN 978-981-10-3573-9 (eBook) DOI 10.1007/978-981-10-3573-9
56. **Nikhila G. S., Sangeetha G., Devi Chinmayee M., Preetha T. S. & Swapna T. S** (2017) *In vitro* tuberization and quantitative evaluation of phytochemicals of medicinally potent *Gloriosa superba* L., **Mainstreaming Biodiversity for Sustainable Development**, Edited by Dinesan Cheruvat, Preetha Nilayangode, Oommen V Oommen, Publishes by Kerala State Biodiversity Board, Thiruvananthapuram, 458-462, ISBN No 978-81-934231-1-0
57. **Sangeetha, G., Nikhila, G S., Mini I. and Swapna, T.S,** (2017) *In vitro* root induction for conservation of *Pseudarthria viscida* (L.) Wight & Arn. And evaluation of its antioxidant potential, In **Mainstreaming Biodiversity for Sustainable Development**, Edited by Dinesan Cheruvat, Preetha Nilayangode, Oommen V Oommen, Publishes by



Kerala State Biodiversity Board, Thiruvananthapuram, 463-475, ISBN No 978-81-934231-1-0.

58. **Pradeesh S and Swapna T S** (2017) In Vitro Anti-inflammatory Activity of *Bidens biternata* (Lour.) Merr. & Sheriff – a Wild Medicinal Plant of Waynadu District of Kerala, **Journal of Medicinal and Aromatic Plant Sciences**, vol 39 (No.1) 18-23. ( UGC list No 24570)
59. **G. S. Nikhila, G. Sangeetha, M. Devi Chinmayee, T. S. Preetha and T. S. Swapna** (2017) Cell Suspension Culture - An improved system for production of colchicine from *Gloriosa superba* L., **International Journal of Advanced Research**, 5(1), 1184-1190
60. **G. S. Nikhila, G. Sangeetha, M. Devi Chinmayee, T. S. Preetha and T. S. Swapna** (2017) Isolation of colchicine from callus and in vitro regenerated root tubers of *Gloriosa superba* L., **Plant Cell Biotechnology and Molecular Biotechnology** 18(5&6) 241-247, ISSN 0972-2025.
61. **N. Vijayan, T.S. Swapna, M. Haridas, A. Sabu** (2017) Therapeutic Enzymes: L-Glutaminase; In: **Current Developments in Biotechnology and Bioengineering: Production, Isolation and Purification of Industrial Products**, Edited by Ashok Pandey, Sangeeta Negi, Carlos Ricardo Soccol, **Elsevier publications**, Netherlands, 233-248, ISBN: 978-0-444-63662-1
62. **T S Swapna** (2017) Abiotic Stress in the Production of Food Grains and Methods to Alleviate the Impact of Stress; In: **Current Developments in Biotechnology and Bioengineering: Crop Modification, Nutrition, and Food Production**, Edited by Suresh Kumar Dubey, Ashok Pandey, Rajender Singh Sangwan, Elsevier publications, Netherlands, 215-240 ISBN: 978-0-444-63661-4, <http://dx.doi.org/10.1016/B978-0-444-63661-4.00010-4>
63. **Nikhila G S , Sangeetha G , Preetha T S and Swapna T S** (2016) GC-MS analysis of phytochemical compounds present in the rhizome of *Gloriosa superba* L., **Journal of Pharmacognosy and Phytochemistry**; 5(5): 17-20, E-ISSN: 2278-4136 P-ISSN: 2349-8234. Impact factor: GIF: 0.255, ICV 5.52. (UGC list No 45051)
64. **Sangeetha, G., Nikhila, G S., and Swapna, T.S,** (2016) Antimicrobial screening of *Pseudarthria viscida* (L.) Wight & Arn.- a medicinally potent plant against common

- pathogenic microorganisms, **Journal of International Research in Medical and Pharmaceutical Sciences** 10(1): 53-59, ISSN: 2395-4477 (P), ISSN: 2395-4485 (O),
65. **Sangeetha, G., Nikhila, G S., Mini I. and Swapna, T.S,** (2016) Elicitation and Isolation of Gallic Acid from Cell Suspension Culture of *Pseudarthria viscida* (L.) WIGHT & ARN. **International Journal of Advanced Research** (2016), Volume 4, Issue 7, 1433-1442. ISSN 2320-5407, Impact Factor 5.336, Index Copernicus value (ICV 63.21) Journal DOI: 10.21474/IJAR01.
66. **Sangeetha, G., Nikhila, G S., and Swapna, T.S,** (2016) *In vitro* cytotoxic activity of root methanol extract of *Pseudarthria viscida* (L.) Wight and Arn. against Hela, Hep g2 and L929 celllines, **European Journal of Pharmaceutical and Medical Research**, 3(7), 498-501. ISSN 2394-3211, Impact Factor 3.628, Index Copernicus value (ICV 7.06).
67. **Sangeetha, G., Nikhila, G S., and Swapna, T.S,** (2016) An efficient plant regeneration and *in vitro* secondary metabolite production in *Pseudarthria viscida* (L.) Wight & Arn., **International Journal of Current Research**, Vol. 8, Issue, 06, pp.33217-33224, June, 2016 ISSN: 0975-833X Impact Factor 6.22
68. **Nikhila G S, Sangeetha G , Devi Chinmayee M and Swapna T S** (2016) An investigation on phytochemical screening and hepatoprotective activity in an important medicinal herb *Gloriosa superba* L., **International Journal of Applied and Pure Science and Agriculture**, Volume 02, Issue 05, 133-137, e-ISSN: 2394-5532, p-ISSN: 2394-823X, Impact Factor 3.762.
69. Sangeetha G, Nikhila G S, Devi Chinmayee M and Swapna T S, (2015) Exploration of In Vitro Hepatoprotective Activity of Root Methanol Extract of *Pseudarthria viscida* (L.) Wight and Arn., **International Journal of Agriculture, Environment and Biotechnology**, Special issue, 8: 1031-1036, PRINT ISSN. : 0974-1712 ONLINE ISSN.: 2230-732X 2532
70. Nikhila G S, Sangeetha G, Archana Ga Nair, Devi Chinmayee M and Swapna TS, (2015) A Comparative Study on Free Radical Scavenging Activity of Methanolic Tuber and Seed Extracts of a Medicinally Potent Plant- *Gloriosa Superba* L., **International Journal of Agriculture, Environment and Biotechnology**, Special issue, 8: 1025-1030, PRINT ISSN. : 1025-1030, PRINT ISSN. : 0974-1712 ONLINE ISSN.: 2230-732X 2532

71. Archana G Nair, Pradeesh S, Nikhila G Sheela, Sangeetha G, Devi Chinmayee M Dand Swapna T S, (2015) Stress Induced Elicitation of Flavanoids in the Suspension Culture of *Diplazium esculentum* (Retz.)Sw - A Wild Edible Fern of Western Ghats, **International Journal of Agriculture, Environment and Biotechnology**, Special issue, 8: 1017-1024, PRINT ISSN. : 1055-1060, PRINT ISSN. : 0974-1712 ONLINE ISSN.: 2230-732X ( UGC list Journal No 2532)
72. M. Chinmayee Devi, G. Sangeetha, G.S. Nikhila, G. Nair Archana, I. Mini and T.S. Swapna (2015) Phytoremediation of Cadmium Chromium and Lead from Urban solid waste compost using two species of Alternanthera, **International Journal of Agriculture, Environment and Biotechnology**, Special issue, 8: 1055-1060, PRINT ISSN. : 1055-1060, PRINT ISSN. : 0974-1712 ONLINE ISSN.: 2230-732X (2532)
73. Mahesh B Mary Sheeba A, Chinmayee M, Swapna T S and Mini I, (2015) Evaluation of Biochemical Mode of Defense and Phytoremediation Efficacy of a Submerged Aquatic Macrophyte *Hydrilla verticillata* (L.F.) Royle. Under Cadmium Stress, **International Journal of Agriculture, Environment and Biotechnology**, Special issue, 8: 1103-1109, PRINT ISSN. : 0974-1712 ONLINE ISSN.: 2230-732X (2532)
74. Mary Sheeba A, Mahesh B, Swapna T S and Mini I (2015) Antioxidative Response and Biochemical Changes in the Invasive Weed *Amaranthus spinosus* L. Under Cadmium Stress, **International Journal of Agriculture, Environment and Biotechnology**, Special issue, 8: 1111-1121, PRINT ISSN. : 0974-1712 ONLINE ISSN.: 2230-732X. (2532)
75. Mahesh, B, Mary sheeba A, Devichinmayee M, Swapna T S and Mini I (2015) Evaluation of Antioxidant Defense and Phytoremediation Efficacy of a Submerged Aquatic Macrophyte *Hydrilla verticillata* (L.f.) Royle under Lead Stress, **International Journal of Ecology and Environmental Sciences** 41 (1-2): 67-73, 2015 ISSN: 0377-015X (Print); 2320-5199 (Online). (ugc 2532)
76. Pradeesh S and Swapna T S (2015) *In vitro* Hepatoprotective activity of a wild medicinal plant from Western Ghats - *Bidens Biternata* (lour.) Merr. & Sheriff, **International Journal of Research and Reviews in Pharmacy and Applied sciences** Vol.5 Issue.2 Pg:1246-1250 ISSN 2249-12366

77. **Pradeesh S and Swapna T S (2015)** Hplc and GC-MS analysis of *Bidens biternata* (Lour.) Merr and Sheriff a wild ethno medicinal plant, **Asian Journal of Research in Chemistry and Pharmaceutical Sciences**. 3(3), 2015, 103 - 108. ISSN: 2349 –7106
78. **Mary Sheeba A, Mahesh B, T S Swapna and I Mini (2015)** Morphological Response of *Amaranthus viridis* L. under Heavy Metal Stress **Phytomorphology** 65(1&2), 56-64 ISSN **0319449**
79. **Archana G Nair, Nikhila G. S., Sangeetha G. and Swapna T. S., (2015)** Free radical scavenging activity of methanolic extract of *Diplazium esculentum*- A wild fern of Western Ghats, **International Journal of Current Research**- Vol. 7, Issue, 06, pp.17209-17213. ( Impact Factor- 6.22) ISSN **0975-833X**
80. **Archana G Nair, Nikhila G. S., Sangeetha G. and Swapna T. S., (2015)** *In vitro* hepatoprotective and anti-inflammatory activities of *Diplazium esculentum* (retz) sw. –a wild fern from Western Ghats, **International Journal of Institutional Pharmacy and Life Sciences** 5(2): March-April, 341-348, (ISSN): 2249-6807, ( Impact Factor- 3.5)
81. **Nikhila G .S, Sangeetha G and T.S Swapna (2015)** Anti inflammatory properties of root tubers of *Gloriosa superba* and its conservation through micropropagation, **Journal of Medicinal Plants Research**, Vol 9(1), 1-7 ISSN 1996-0875
82. **A Mary Sheeba, B Mahesh, T S Swapna and I Mini (2015)** Evaluation of Heavy metal tolerance in *Amaranthus viridis* L with reference to morphological response, Proceedings of 27<sup>th</sup> Kerala Science Congress, Alappuzha 27-29 January, p 952
83. **Devi chinmayee M, Anu M S, Mahesh B, Mary Sheeba A, Mini I and Swapna T.S (2015)**, Assessment of phytoremediation potential of biodiesel plant- *Jatropha curcas* L, Proceedings of 27<sup>th</sup> Kerala Science Congress, held at Alappuzha, Jan 27-29.p 929
84. **Sangeetha G, Nikhila G. S, Archana G Nair, And Swapna T. S (2015)** Antimicrobial screening of a medicinally potent plant *Pseudarthria viscida* (L) Wight and Arnon. Against common food borne and human pathogenic microorganisms, Proceedings of 27<sup>th</sup> Kerala Science Congress, held at Alappuzha, Jan 27-29, p1709
85. **Mahesh B, Mary Sheeba A, Devi chinmayee M, Mini I and Swapna T.S (2015)**, Evaluation of antioxidant defense and phytoremediation efficacy of a submerged aquatic macrophyte *Hydrilla verticillata* ( L E.) Royle. under lead stress, Proceedings of 27<sup>th</sup> Kerala Science Congress, held at Alappuzha, Jan 27-29, p942

86. **A Mary Sheeba, B Mahesh, T S Swapna and I Mini (2014)** Studies on allelopathic potential of an Invasive weed *Amaranthus spinosus* L. on *Vigna radiata* (L.) R.Wilczek, **Phytomorphology** 64(1&2), 35-42. ISSN 00319449
87. **Swapna, T.S Archana G. Nair, Mini I and Pradeesh, S. (2014)** Free-radical scavenging activity of leaves of *Bidens biternata* (Lour.) Merr. & Sheriff, **Internatioanl Journal of Pharmaceutical Research and Development**, Vol 6(08);October-2014 (127 - 135) International Standard Serial Number 0974 – 9446
88. **Archana G. Nair, Pradeesh, S., Nikhila, G.S., Sangeetha, G., Mini, I. and Swapna, T.S (2014)** Conservation of vegetable fern (*Diplazium esculentum* ) of Western Ghats through *in vitro* spore culture, **Journal of Aquatic Biology and Fisheries** Vol. 2/2014/ pp. 43 to 50 ( UGC list No 64173) [http://ijapc.com/UGC\\_List\\_of\\_Journals.pdf](http://ijapc.com/UGC_List_of_Journals.pdf)
89. **Devi Chinmayee, M., Mary Sheeba, A., Mini, I. and Swapna, T.S.(2014)** Phytoremediation potential and antioxidant responses in *Alternanthera sessilis* (L).Br. **Journal of Aquatic Biology and Fisheries** Vol. 2/2014/ pp. 114 – 118 ( UGC list No 64173) ISSN- 2321-340x[http://ijapc.com/UGC\\_List\\_of\\_Journals.pdf](http://ijapc.com/UGC_List_of_Journals.pdf)
90. **Mahesh, B., Sreejith, S., Mary Sheeba, A., Swapna, T.S. and Mini, I (2014)** Phytoaccumulation of heavy metals and fluctuation in photosynthetic pigments in selected aquatic macrophytes, **Journal of Aquatic Biology and Fisheries** Vol. 2/2014/ pp. 326 – 329 ( UGC list No 64173) ISSN- 2321-340x[http://ijapc.com/UGC\\_List\\_of\\_Journals.pdf](http://ijapc.com/UGC_List_of_Journals.pdf)
91. **Nikhila, G.S, Sangeetha, G., Archana G. Nair, Pradeesh, S. and Swapna, T.S. (2014)** High frequency embryogenesis and organogenesis in *Gloriosa superba* l. - A plant in need of conservation, **Journal of Aquatic Biology and Fisheries** Vol. 2/2014/ pp. 404 -408 ( UGC list No 64173) ISSN- 2321-340x[http://ijapc.com/UGC\\_List\\_of\\_Journals.pdf](http://ijapc.com/UGC_List_of_Journals.pdf)
92. **Sangeetha, G., Nikhila, G S., Archana, G. Nair, Pradeesh, S. and Swapna, T.S, (2014)** Conservation of an anti inflammatory medicinal plant *Pseudarthria viscida* (L) Wight and Arn. through rapid *in vitro* clonal propagation **Journal of Aquatic Biology and Fisheries** Vol. 2/2014/ pp. 606 - 611 ( UGC list No 64173) ISSN- 2321-340x[http://ijapc.com/UGC\\_List\\_of\\_Journals.pdf](http://ijapc.com/UGC_List_of_Journals.pdf)
93. **Devi Chinmayee M, Anu M. S, Mahesh B, Mary sheeba A, Mini I and Swapna T.S (2014)** A comparative study of heavy metal accumulation and antioxidant responses in *Jatropha curcas* L, **IOSR Journal of Environmental Science, Toxicology and Food**

**Technology** e-ISSN: 2319-2402,p- ISSN: 2319-2399.Volume 8, Issue 7 Ver. III (July. 2014), PP 58-67.

94. **Mary Sheeba, A., Mahesh, B., Devi Chinmayee, M., Swapna, T.S. and Mini, I** (2014) The allelopathic potential of the weed *Amaranthus viridis* L. on germination and pigment profile of a pulse crop *Vigna radiata* (L.) R. Wilczek, *Journal of Aquatic Biology and Fisheries* Vol. 2/2014/ pp. 344 - 355 ( UGC list No 64173) ISSN 2321-340X[http://ijapc.com/UGC\\_List\\_of\\_Journals.pdf](http://ijapc.com/UGC_List_of_Journals.pdf)
95. **Sangeetha G, Nikhila G.S, Archana G. Nair, Devi Chinmayee M and T.S. Swapna** (2014) *In vitro* antioxidant activity of methanol extract of *Pseudearthria viscida* (L.) Wight and Arn, **International Journal of Pharmacy Education and Research**, ISSN (Online): 2349-056X , Jul-Sept 2014; 1(3): 1-6.
96. **G .S Nikhila, G. Sangeetha and T.S Swapna** (2014) Antimicrobial screening of a medicinally potent plant - *Gloriosa superba* L., **CIBTech Journal of Microbiology** ISSN: 2319-3867 (Online) Vol. 3 (2) April-June, pp. 48-57
97. **Devi Chinmayee M, Mahesh B, Mini I, Swapna T.S,** (2014) Biochemical mode of resistance to environmentally toxic heavy metal lead in two species of *Alternanthera*, **International Journal of Science and Research** , ISSN 2257-8179: 2319-7064, Volume 3 Issue 6, June 2014, 1546-1549 (Paper ID: 02014502)(Impact factor-1.865)
98. **Pradeesh S, Archana G. Nair, Mini I and Swapna T. S** (2013) *Bidens biternata* (Lour.) Merr. and Sheriff- A wild leafy vegetable with significant antioxidant potential, **Journal of Medicinal and Aromatic Plant Sciences**, 35(3-4)128-135 ISSN 0253-7125 ( UGC list No 24570)
99. **Devi Chinmayee M, Princymol Stephan, Anu.M.S, Mary Sheeba.A, Mini I and Swapna T.S** (2013) Effect of Cadmium Stress on Antioxidant Activity of two species of *Alternanthera*, **Journal of Scientific and Industrial Research** , Vol:72, pp558-562 (Impact factor-0.505) ISSN 0975-1084 online, ISSN 0022-4456 (Print)
100. **Archana G. Nair, S. Pradeesh, G.S. Nikhila, G S Sangeetha, I Mini and T.S. Swapna** (2013), *In vitro* propagation of a rare medicinal fern of Western ghats- *Diplazium esculentum*, **Indian Journal of Experimental Biology**, Vol-51 pp919 (Impact factor-1.195) ISSN: 0975-1009 (Online) ISSN: 0019-5189 (Print) ( UGC list No 20769)

101. Princymol Stephen, **Devi Chinmayee M, Mary Sheeba A, T S Swapna and I Mini (2013)** Antioxidant defense in the aquatic macrophyte *Pistia stratiotes* L. exposed to heavy metals, Proceedings of 25<sup>th</sup> Kerala Science congress, held at Thiruvananthapuram 29-01-2013 to 01-02-2013, p101
102. **Nikhila G .S, G. Sangeetha, Archana G Nair, Devi Chinmayee and T.S Swapna (2013)** Anti inflammatory properties of the root tubers of *Gloriosa superba* and its conservation through micropropagation, **Journal of Phytological Research** 26 (1&2):15-21
103. **Sangeetha G, Nikhila G .S, Archana G Nair, Devi Chinmayee and T.S Swapna (2013)** Evaluation of in vitro anti-inflammatory activity of root methanol extract of *Pseudarthria viscida* (L) Wight and Arn, **Journal of Phytological Research** 26 (1&2):47-51
104. **Mary Sheeba A, T S Swapna and I Mini (2013)** Effect of toxic heavy metals on the germination and seedling performance of *Amaranthus spinosus* L **Journal of Phytological Research** 26 (1&2):77-81
105. **Pradeesh S, Archana G. Nair, Mini I and Swapna T. S (2012)** *Bidens biternata* (Lour.) Merr. and Sheriff- A potential plant to solve nutritional deficiency problems, **Journal of Phytological Research**, 25(2) 295
106. **Swapna T S, Archana G Nair & Pradeesh S, (2012)**, Nutritional and Antioxidant potential of Green Leafy Vegetables –A Review, **Journal of Phytological Research**, 25 (1), 23-30.
107. **Archana G. Nair, G.S. Nikhila, S. Pradeesh and T.S. Swapna (2012)** Nutritional and antinutritional factors in a wild leafy vegetable from western ghats: *Diplazium esculentum* , *Agrobiodiversity: Status, Trends and Prospects*, Edited by : A. Biju Kumar, M.P. Nayar, R.V. Varma and C.K. Peethambaran Pages 11–16 ISBN 978-93-80428-94-9
108. **Nikhila, G S, Bannita Kumari, & Swapna T S, (2012)** Antimicrobial effect of a highly important medicinal plant- *Gymnema sylvestre* R Br, **Biodiversity: Utilization, Threats and Cultural Linkages**, Edited by : A. Biju Kumar, M.P. Nayar, R.V. Varma and C.K. Peethambaran Pages 51-54 ISBN 978-93-80428-94-9
109. **Archana G Nair, Pradeesh S, Devi Chinmayee M, Mini I, Swapna T S (2012)** *Diplazium esculentum*- a wild nutrient rich leafy vegetable from Western Ghats,. in Prospects in **Bioscience: Addressing the issues**, Sabu Abdulhameed & Augustine Anu

(Eds.), Springer publishers. Hard cover ISBN 978-81-322-0809-9 eBook ISBN 978-81-322-0810-5

110. **Pradeesh S, Archana G Nair, Devi Chinmayee M, Sarika C. S, Mini I, Swapna T. S** (2012) Biochemical and Nutritional Evaluation of *Monochoria vaginalis* Presl,- in Prospects in **Bioscience: Addressing the issues**, Sabu Abdulhameed & Augustine Anu (Eds.), Springer publishers. Hard cover ISBN 978-81-322-0809-9 eBook ISBN 978-81-322-0810-5
111. **Pradeesh S, Devi Chinmayee M, Mini I and Swapna T. S** (2012) Phytochemical investigation of *Bidens biternata* [Lour.] Merr. And Sheriff.- A nutrient rich leafy vegetable from Western Ghats, *Applied Biochemistry and Biotechnology*, Volume 167, Issue 6 (2012) , Page 1795, DOI 10.1007/s12010-012-9652-5 (Impact factor-1.893) ( UGC list No 15918)
112. **Devi Chinmayee M, Mahesh B, Pradeesh S , Mini I, Swapna T.S,** (2012) The assessment of phytoremediation potential of an invasive weed *Amaranthus spinosus* L. *Applied Biochemistry and Biotechnology*, 167:1550–1559 DOI 10.1007/s12010-012-9657-0 (Impact factor-1.893) ( UGC list No 15918) ISSN 02732289
113. **Jayachandr an K, Indu C. Nair, T. S. Swapna, and A. Sabu** (2012) Fermentation of Food Processing By-Products, in **Valorization of Food Processing By-Products**, Ed M. Chandrasekaran, CRC Press, New York, p 203-232 ISBN 9781138199422
114. **Remi Simon & Swapna T S** (2011) Effect of plant growth regulators in *in vitro* response of an endangered medicinal plant- *Piper longum*, *Journal of Phytological Research* 24(1):23-29
115. **Swapna, T.S. & Sabu A** (2011) Polyphenols in Plants, **Chemistry and Biotechnology of Poly phenols** Edited by A Sabu, C N Auguilar & S Roussos p-135-151 ( ISSN 978-81-920782-0-5)
116. **Rani M Sebastian, C Augur, M Haridas, T S Swapna & A Sabu** (2011) Polystyrene beads as an inert solid support for the production of tannase with high specific activity under solid state fermentation, **Chemistry and Biotechnology of Poly phenols** Edited by A Sabu, C N Auguilar & S Roussos p-112-123.



117. **T S Swapna and Reni Simon** (2010) Micropropagation of an endangered medicinal plant- *Piper longum* Linn, in Proceedings of 22<sup>nd</sup> Kerala Science Congress, 28-31 Jan 2010, KFRI, Peechi pp 251-252.
118. **T S Swapna and A Sabu**. Salt stress in rice and the biotechnological approaches for inducing tolerance. In **Advances in Plant Biotechnology**. Ed. P.C. Trivedi. Pp 57 – 71, (2005).
119. **Swapna, T. S., Binitha, M and Manju T.S.** In vitro multiplication in *Kaempferia galanga* Linn. **Applied Biochemistry and Biotechnology**. 118(1-3): 233-41 (2004). ( UGC list No 15918)
120. **Swapna, T.S.** Salt stress induced changes on enzyme activities during different developmental stages and of Rice (*Oryza sativa* Linn). **Indian Journal of Biotechnology**. 2 pp 251-258 (2003) ( UGC list No 20724)
121. **Swapna, T.S.** Esterase as molecular marker for salt tolerance in regenerated plants of rice, *Oryza sativa* L. **Indian Journal of Experimental Biology**. 4, 1056-1059 (2002). ( UGC list No 20769)

#### **Papers presented in conferences.**

1. Praseetha, Shiburaj S., Swapna T.S.' Mathew Dan (2021) Essential oil from *Hedychium coronarium* var. *chrysoleucum* modulate Group A Streptococcal biofilms, conference on Advances in Microbial Technologies (AIMT-2021) held on Dec. 01-02, 2021, organized by Amity University, Rajasthan.
2. **Niveditha K, Annie John , Mini S , Swapna TS and Annie Abraham** ( 2021) Stem Cells Seeded Decellularized Tendon Tissue to Mimic the Tendon ECM - A Promising Scaffold to mend injured/damaged tendon presented at The Nobel Laureate Science & Technology Seminar Series **11<sup>th</sup>India-Japan Science and Technology Seminar Commemorating 70<sup>th</sup> Anniversary of India-Japan Diplomatic Relations & 75<sup>th</sup> Anniversary of Indian Independence**” sponsored by Japan Society for the Promotion of Science (JSPS) Japan, Dept.of Science and Technology, Govt. of India, supported by Embassy of India, Tokyo, Japan; Organised Jointly by Indian JSPS Alumni

association and Sree Chitra Tirunal Institute for Medical Sciences and Technology held on 6,7 December 2021.(2<sup>nd</sup> best poster Award)

3. **Riyas C T' Swapna T S** (2021) Targeting COVID-19 main protease using Glyco-flavonoids from *Pittosporum dasycaulon* Miq aqueous extract of leaves (Pittosporaceae) presented at International Webinar on 'Phytochemistry- Impacts and Applications, jointly Organized by Kerala Academy of Sciences and JNTBGRI September 27 th and 28 th, 2021. ( Best paper award)
4. **Lakeshmi M V and T S Swapna** (2021) Bioactive molecule for the Anti-Diabetic Efficacy of *Memecylon randerianum*- an ethnomedicinal plant of Western Ghats, presented at International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH 2021), jointly organized by Malaviya National Institute of Technology, Jaipur and the Biotech Research Society, India at Jaipur, india during april 04-08, 2021.
5. **Niveditha K, Swapna T S, Annie John, Annie Abraham** (2021) Fabrication of mesenchymal stem cells seeded decellularized tendon scaffolds- A natural biomimetic substitute to repair injured tendon presented at International Seminar on recent Biochemical Approaches in Therapeutics ( RBAT VII) 2021 9-11 feb 2021 organized by Department of Biochemistry, University of Kerala
6. **Ajinsha J S and Swapna T S (2021)** Documentation of wild edible fruit plants of peringammala grama panchayathu, presented at International conference on New Horizons in Plant Science organized by Department of Botany, University of Kerala, 4-9 February 2021,50-51, ISBN 978-81-949888-3-7
7. **Amaldev S K, Riyas C T and Swapna T S** (2021) phytochemical screening and anti-oxidant activity of *rhinacanthus nasutus* (l.) kurz presented at International conference on New Horizons in Plant Science organized by Department of Botany, University of Kerala, 4-9 February 2021, 94-94, ISBN 978-81-949888-3-7
8. **Athira V. Anand and T. S. Swapna** (2021) Quorum sensing inhibition of *Smilax wightii* A.DC. (Smilacaceae) Against *Pseudomonas aeruginosa* presented at International conference on New Horizons in Plant Science organized by Department of Botany, University of Kerala, 4-9 February 2021, 126-127, ISBN 978-81-949888-3-7

9. **Riyas C T, Swapna T S** (2021) Antivenom activity of an ethnomedicinal plant *Pittosporum dasycaulon* Miq (Pittosporaceae), against Viper venom. Presented at International conference on Biotechnology for Sustainable Agriculture Environment and Health, organized by Malaviya National Institute of Technology (MNIT), Jaipur and The Biotech Research Society of India, 4-8 April 2021.
10. **Lekshmi S. and Swapna T. S** (2021) *In vitro* antioxidant and anti-cancer potential of *Anaphyllum wightii* schott presented at International conference on New Horizons in Plant Science organized by Department of Botany, University of Kerala, 4-9 February 2021, 106-107, ISBN 978-81-949888-3-7
11. **Praseetha , Shiburaj S. , Swapna T.S. , Mathew Dan.** (2021) Essential oil from underexplored *Hedychium coronarium* var. *chrysophyllum* Inhibits Biofilm and Biofilm associated Virulence factors of *Streptococcus pyogenes* presented at International conference on New Horizons in Plant Science organized by Department of Botany, University of Kerala, 4-9 February 2021, 110-111, ISBN 978-81-949888-3-7
12. **Lakshmi M V and T S Swapna (2021)** Metabolite profiling of *Memecylon randerianum*, a brief update, presented at International conference on New Horizons in Plant Science organized by Department of Botany, University of Kerala, 4-9 February 2021, 104-105, ISBN 978-81-949888-3-7
13. **Shilji M A, Athira V Anand and Swapna T S (2021)** Phyto – Pharmacological Evaluation of *Turnera subulata* Sm. presented at International conference on New Horizons in Plant Science organized by Department of Botany, University of Kerala, 4-9 February 2021, 116-117, ISBN 978-81-949888-3-7
14. **Devi Chinmayee, M. and Swapna, T.S** (2020) Dual application of *Jatropha curcus* as an efficient heavy metal phytoremediator and biodiesel producer presented in National Level Conference on “Empowerment of Rural Communities through innovations in Science and Technology” 21st and 22nd February, 2020, organized by Indian Science Congress Association , Coimbatore chapter, ISBN No: 978-93-884-1380-0
15. **Riyas CT and Swapna TS** ( 2019) Evaluation of in vitro anticancer potential on HEP-G2 cell line of *Pittosporum dasycaulon* (Pittosporaceae), presented at XL11 ALL India Botanical Conference of the Indian Botanical Society and national symposium on

‘Innovations and Inventions in Plant Science Research’ held at the Department of Botany, University of Calicut, Kerala. **6-8 November 2019**

16. **Lekshmi.M V and Swapna. T. S (2019).** Bioactive Compounds with Antioxidant Potential from the Leaves of *Memecylon randerianum* S.M. Almeida & M.R. Almeida” in the National Seminar on Forestry, Plant Genetics and Improvement Organized by Kerala Forest Research Institute & Gregor Mendel Foundation, Calicut University on 3rd and 4th December, 2019 Sponsored by KSCSTE.
17. **Niveditha K, Josna Joseph, TS Swapna, Annie John and Annie Abraham (2019)** Novel biomimetic scaffolds for tendon tissue regeneration” in an International conference on biomaterial-based therapeutic engineering and regenerative medicine held at IIT Kanpur, India, on 28 Nov - 01 Dec 2019.
18. **Athira V. Anand and T. S. Swapna (2019)** presented a paper on Smilagenin – a Potent Anticancer Molecule from *Smilax wightii* A.DC., in the International conference in ‘New Horizons in Biotechnology’ , Organized by The Biotech Research Society of India and CSIR- National institute for Interdisciplinary Science and Technology, on November 20-24
19. **Lekshmi.M V and Swapna. T. S (2019).** “In vitro Anti-Diabetic Efficacy and Phytochemicals of Methanolic Leaf Extract of *Memecylon randerianum* S.M Almeida & M.R Almeida”, in the International Conference on ‘New Horizons in Biotechnology’ jointly organized by CSIR-National Institute for Interdisciplinary Science and Technology, and the Biotech Research Society, India at Thiruvananthapuram during 20th November to 24th November 2019.
20. **Lekshmi.S and Swapna. T. S (2019).** *In vitro* anticancer potential of *Anaphyllum wightii* Schott. against DLA cell line and molecular docking of Betasitosterol- a potential anticancer agent, presented at International Conference on New Horizons in Biotechnology, Organized by CSIR- NIIST, Thiruvananthapuram , November 20-24, 2019.
21. **Athira V. Anand, Meera Shaji and T. S. Swapna (2019)***In silico* studies on Gossypitrin: a Potent Bioactive Molecule from *Hibiscus hispidissimus* Griff. Presented at International Seminar on Life Sciences for sustainable Development: Issues and Challenges, organized by Department of Botany, University College, Thiruvananthapuram, on 3-5 October 2019

22. **Lekshmi.S and Swapna.T.S** (2019) *In vitro* antioxidant and hepatoprotective activities of *Anaphyllum wightii* Schott. Presented at International Seminar on Life Sciences for sustainable Development: Issues and Challenges, organized by Department of Botany, university College, Thiruvananthapuram, on 3-5 October 2019
23. **Lakshmi. M. V and Swapna. T. S** (2019) Phytochemical Screening and *In vitro* Anti-cancer effect of *Memecylon randerianum* against Dalton's Lymphoma Ascites Cell lines, Presented at International Seminar on Life Sciences for sustainable Development: Issues and Challenges, organized by Department of Botany, University College, Thiruvananthapuram, on 3-5 October 2019
24. **Geetha Mini D and Swapna TS** (2019) Insight into the Antidiabetic potential of selected red and brown algae along the Kerala coast Presented at International Seminar on Life Sciences for sustainable Development: Issues and Challenges, organized by Department of Botany, University College, Thiruvananthapuram, on 3-5 October 2019
25. **Riyaz C T and Swapna T S** (2019) *In vitro* anticancer potential of *Pittosporum dasycaulon* Miq. (Pittosporaceae). Presented at International Seminar on Life Sciences for sustainable Development: Issues and Challenges, organized by Department of Botany, University College, Thiruvananthapuram, on 3-5 October 2019
26. **Anchitha T Rajan and Swapna T S** (2019) ANTIBIOFILM ACTIVITY OF *HYPTIS CAPITATA* Jacq Presented at International Seminar on Life Sciences for sustainable Development: Issues and Challenges, organized by Department of Botany, University College, Thiruvananthapuram, on 3-5 October 2019
27. **Vivek A S and Swapna T S** (2019) Larvicidal potency of *Spatholobus parviflorus* (Dc.) Kuntze against *Aedes albopictus* Presented at International Seminar on Life Sciences for sustainable Development: Issues and Challenges, organized by Department of Botany, University College, Thiruvananthapuram, on 3-5 october 2019
28. **Athira V. Anand and T. S. Swapna** (2019) *In silico* Investigation of ADMET Properties and Target Prediction of a Bioactive molecule Identified from *Smilax wightii* A.DC. presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019

29. **Gopika BS and Swapna TS** (2019) A comparative study of nutritional components of *Basella alba* (L.) and *Basella rubra* (L.) leaves with *Amaranthus spp.* presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
30. **Lakshmi. M. V and Swapna. T. S** (2019) Detection of Antimicrobial compounds from Methanolic Leaf extract of *Memecylon randerianum* through GC-MS analysis, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
31. **Lekshmi.S and Swapna. T. S** (2019) Alpha-amylase and alpha-glucosidase inhibitory potential of *Anaphyllum wightii* Schott. – an ethnomedicinal plant, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
32. **Meera shaji and Swapna T. S** (2019) Nutritional profiling of *Hibiscus hispidissimus* Griff. – an ethno medicinal plant, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
33. **Praseetha, Shiburaj S. and Swapna T.S.** (2019) Antimicrobial and Anti-Biofilm Activities of Methanolic Extracts Derived from Selected Medicinal Plants, presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
34. **Anchitha.T.Rajan and Swapna.T.S** (2019) Evaluation of antibacterial potential of methanolic extract of *Hyptis suaveolens*(L.) Poit., presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
35. **Geetha Mini D and T.S. Swapna** (2019) Unraveling the Antimicrobial potential of Methanolic extract of *Sargassum swartzii* C.Agardh, presented at *Provectus Plantae-2019*,

International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019

36. **Vivek A S, Swapna T S (2019)** LC-MS Profiling of Taxifolin in *Spatholobus parviflorus* (Roxb. Ex Dc.) Kuntze. presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
37. **Riyas C T and Swapna T S (2019)** In vitro Antioxidant activity of *Pittosporum dasycaulon* Miq., presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
38. **Pradeesh S, Praveena P and Swapna T S (2019)** In vitro Conservation of a Wild Leafy Vegetable from Western Ghats – *Bidens biternata* (Lour.) Merr. & Sheriff. presented at *Provectus Plantae-2019*, International Seminar on Exploring the scope for Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram May 22-24, 2019
39. **Vivek A. S. and Swapna T. S. (2019)** GC-MS analysis of the volatile components in *Spatholobus parviflorus* (DC.) Kuntze. - a medicinally less evaluated species, presented in National Seminar on Advances and applications in Plant Sciences, Organized by Department of Botany, University of Kerala, Thiruvananthapuram Feb 6-8, 2019
40. **Riyas C. T. and Swapna T. S (2019)** Qualitative and quantitative determination of secondary metabolites from the less studied, endemic species *Pittosporum dasycaulon* Miq. from Wayanadu, presented in National Seminar on Advances and applications in Plant Sciences, Organized by Department of Botany, University of Kerala, Thiruvananthapuram Feb 6-8, 2019
41. **Lekshmi. S and Swapna. T. S (2019)** Nutritional Profiling and Evaluation of *In Vitro* Anti-diabetic Potential of *Anaphyllum wightii* Schott.-An Ethnomedicinal Plant, presented in National Seminar on Advances and applications in Plant Sciences, Organized by Department of Botany, University of Kerala, Thiruvananthapuram Feb 6-8, 2019
42. **Lakshmi. M. V and Swapna. T. S (2019)** Phytochemical Screening and Evaluation of Antibacterial Potential of Leaves of *Memecylon randerianum* S.M. Almeida & M.R. Almeida., presented in National Seminar on Advances and applications in Plant Sciences,

Organized by Department of Botany, University of Kerala, Thiruvananthapuram Feb 6-8, 2019

43. **Athira V Anand and T S Swapna** (2019) Phytochemical Profiling and Analysis of Antioxidant Potential of Various Plant Parts of *Smilax wightii* A.DC., presented in National Seminar on Advances and applications in Plant Sciences, Organized by Department of Botany, University of Kerala, Thiruvananthapuram Feb 6-8, 2019
44. **Athira V Anand and T S Swapna** (2019) Metabolic Profiling of an Endemic Medicinal Plant *Smilax wightii* A.DC. through GC-MS presented at CRDB-2019, International Conference on Research and Development in Biosciences, Organized by Department of Biotechnology and Microbiology, Kannur University, Kannur, Kerala, 17-19 January 2019.
45. **Lekshmi. S and T. S. Swapna** (2019) Comparative Evaluation of *In Vitro* Antioxidant Potential of Rhizome and Leaf Extracts of *Anaphyllum wightii* Schott, presented at CRDB-2019, International Conference on Research and Development in Biosciences, Organized by Department of Biotechnology and Microbiology, Kannur University, Kannur, Kerala, 17-19 January 2019.
46. **Aswathy A. V., Riyas C. T., and Swapna T. S.** (2019) Evaluation of phytoconstituents and anti-microbial potential of *Vanda thwaitzii* -an endangered species from Western Ghats, presented at CRDB-2019, International Conference on Research and Development in Biosciences, Organized by Department of Biotechnology and Microbiology, Kannur University, Kannur, Kerala, 17-19 January 2019.
47. **Vivek A. S. and Swapna T. S** (2019) Preliminary phytochemical screening and *in-vitro* assay for anti-cancer potential of *Spatholobus parviflorus* (Roxb. Ex Dc.) Kuntze, -a medicinally less evaluated species, presented at CRDB-2019, International Conference on Research and Development in Biosciences, Organized by Department of Biotechnology and Microbiology, Kannur University, Kannur, Kerala, 17-19 January 2019.
48. **Anusha. S. Britto and Swapna T. S** (2019) *Curcuma aeruginosa* – A pharmacologically potent underutilized plant from Zingiberaceae, presented at CRDB-2019, International Conference on Research and Development in Biosciences, Organized by Department of Biotechnology and Microbiology, Kannur University, Kannur, Kerala, 17-19 January 2019.



49. **Vivek A S and Swapna T S** (2018) *Spatholobus parviflorus* (Roxb. Ex DC.) Kuntze. - a plant with potent larvicidal action against *Aedes albopictus*. Presented at Seminar on Recent approaches in Biochemical Research (RABR) 2018, 28<sup>th</sup> September, Organized by Department of Biochemistry, University of Kerala and Society of Biological Chemists, (I), Kerala Chapter at Department of Biochemistry, University of Kerala, kariavattom, Thiruvananthapuram, Kerala.
50. **Anusha S Britto and T S Swapna** (2018) Phytochemical screening and evaluation of antioxidant potential of *Curcuma aeruginosa* Roxb. Presented at Seminar on Recent approaches in Biochemical Research (RABR) 2018, 28<sup>th</sup> September, Organized by Department of Biochemistry, University of Kerala and Society of Biological Chemists, (I), Kerala Chapter at Department of Biochemistry, University of Kerala, kariavattom, Thiruvananthapuram, Kerala.
51. **Athira V Anand and T. S. Swapna** (2018) Phytochemical Profiling and the Antibacterial Potential of *Smilax wightii* A.DC. Against Selected 1032 Human Pathogenic Bacteria, Presented at National Seminar on insights into the Interdisciplinary Perspectives of Chemical and Biosciences, 26-28 February 2018, Organized Departments of Chemistry, Botany and Biotechnology, Govt. Arts College, Thiruvananthapuram,44
52. **M. Devi Chinmayee, G. Sangeetha, G.S. Nikhila, I. Mini, and T.S. Swapna** (2018) Protein Profiling Alteration in Response to Heavy Metal Accumulation in *Alternanthera sessilis* 1038 R Br. With Special Reference to Metallothionein , Presented at National Seminar on insights into the Interdisciplinary Perspectives of Chemical and Biosciences, 26-28 February 2018, Organized Departments of Chemistry, Botany and Biotechnology, Govt. Arts College, Thiruvananthapuram, 49
53. **Sangeetha G. and Swapna T. S.** (2018) Anticancerous Potential of In vivo and In vitro Developed Roots of *Pseudarthritis viscida* (L.) 1320 Wight & Arn. Presented at National Seminar on insights into the Interdisciplinary Perspectives of Chemical and Biosciences, 26-28 February 2018, Organized Departments of Chemistry, Botany and Biotechnology, Govt. Arts College, Thiruvananthapuram,120
54. **Mary Sheeba A, Mahesh B, Remakanthan A, Swapna T S and Mini I** (2018) Partial Genomic Sequencing of Phytochelatins Involved in Heavy Metal Tolerance of *Amaranthus Spinous* L., Presented at National Seminar on insights into the Interdisciplinary

- Perspectives of Chemical and Biosciences, 26-28 February 2018, Organized Departments of Chemistry, Botany and Biotechnology, Govt. Arts College, Thiruvananthapuram , 45
55. **Pradeesh S and Swapna T. S** (2018) Anticancer potential of *Bidens biternata* (Lour.) Merr. & Sheriff – An Ethno Medicinal Plant of 1394 Wayanadu District of Kerala, Presented at National Seminar on insights into the Interdisciplinary Perspectives of Chemical and Biosciences, 26-28 February 2018, Organized Departments of Chemistry, Botany and Biotechnology, Govt. Arts College, Thiruvananthapuram, 113
  56. **Lekshmi. S and T.S. Swapna** (2018) Preliminary Analysis of Nutritional factors in the Rhizome of *Anaphyllum wightii* Schott. Presented at National Seminar on insights into the Interdisciplinary Perspectives of Chemical and Biosciences, 26-28 February 2018, Organized Departments of Chemistry, Botany and Biotechnology, Govt. Arts College, Thiruvananthapuram ,98
  57. **Athira V Anand, Aswathi AV and T S Swapna** (2018) In silico investigation of a Bioactive molecule from the leaf of an endangered epiphyte-*Vanda thwaitesii* Hook f. presented at “The Bioinformatica indica” 2018, organized by Department of Computational Biology and Bioinformatics, University of Kerala, 8-10 January 2018, Page 43
  58. **Nikhila G. S., Preetha T. S. and Swapna T. S.** (2017) Cytotoxic investigation of isolated colchicine from root suspension cultures of *Gloriosa superba* L. presented at National Seminar on Modern Trends in Conservation, Utilisation and Improvement of Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Nov 23-24 2017 ( Page 26)
  59. **Sangeetha G., Nikhila G. S. and Swapna T. S.** (2017) Comparative hepatoprotective analysis of *in vitro* regenerated roots and isolated gallic acid from the suspension callus of *Pseudarthria viscida* (L.) Wight & Arn, presented at National Seminar on Modern Trends in Conservation, Utilisation and Improvement of Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Nov 23-24 2017 (p55)
  60. **Aswathi A. V. and Swapna T. S** (2017) Identification of bioactive compounds from *Vanda thwaitesii* Hook. f.- an endangered plant of western ghats, presented at National Seminar on Modern Trends in Conservation, Utilisation and Improvement of Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Nov 23-24 2017 (p61)

61. **Athira V. Anand and Swapna T. S** (2017) Anticancerous property of an underutilized endemic medicinal plant- *Smilax wightii* A. DC. presented at National Seminar on Modern Trends in Conservation, Utilisation and Improvement of Plant Genetic Resources, Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Nov 23-24 2017 (p63)
62. **T S Swapna & Nikhila G S** (2017) *In vitro* root induction - an improved system for production and elicitation of colchicine from *Gloriosa superba* L. presented at International Conference on Emerging Trends in Biotechnology for Waste Conversion (ETBWC-2017) CSIR-NEERI, Nagpur, India, October 8-10, 2017
63. **Sangeetha G and Swapna T S** (2016) Anticancer properties of *in vitro* regenerated roots of *Pseuderthria viscida* (L.) Wight & Arn presented at International Seminar on New Frontiers in Cytogenetics Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Dec 15-17 2016
64. **Nikhila G S and Swapna T S** (2016) Investigation on hepatoprotective action of colchicine from *Gloriosa superba* produced *in vitro*. presented at International Seminar on New Frontiers in Cytogenetics Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Dec 15-17 2016
65. **Devi chinmayee M and Swapna T S** (2016) Protein profiling and sequence analysis of metallothionein gene in two species of *Alternanthera* in response to heavy metal stress, presented at International Seminar on New Frontiers in Cytogenetics Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Dec 15-17 2016.
66. **Mary Sheeba, A., Mahesh, B., Sumitha, V., Devi Chinmayee, M., Swapna, T.S and Mini, I** (2016) Heavy metal induced morphological response in two species of *Amaranthus*, presented at International Seminar on New Frontiers in Cytogenetics Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Dec 15-17 2016
67. **Sumitha, V., Mary sheeba, A., Athulya Robert, Swapna, T.S and Mini, I** (2016) Pharmacognostic Evaluation of a tribal medicinal herb *Hyptis capitata* Jacq. (Lamiaceae), presented at International Seminar on New Frontiers in Cytogenetics Organized by Department of Botany, University of Kerala, Thiruvananthapuram, Dec 15-17 2016
68. **Sangeetha G, Nikhila G. S, Devi Chinmayee M And Swapna T. S** (2015) An efficient plant regeneration and *in vitro* secondary metabolite production in *Pseuderthria viscida*

- (L.) Wight & Arn. Presented at International conference on New Horizons in Biotechnology organized by CSIR-NIIST, Thiruvananthapuram, Nov22-25.
69. **Devi chinmayee M, Sangeetha G, Nikhila G S, Mahesh B, Mini I and Swapna T.S** (2015) Identification of differentially expressed proteins in response to heavy metal accumulation in *Alternanthera sessilis* RBr. Presented at International conference on New Horizons in Biotechnology organized by CSIR-NIIST, Thiruvananthapuram, Nov22-25.
  70. **Nikhila G S, Sangeetha G, Archana G Nair, Devi Chinmayee M and Swapna TS** (2015) *In vitro* cytotoxic effects of *Gloriosa superba* L tuber against human cancer cell lines, Presented at International conference on New Horizons in Biotechnology organized by CSIR-NIIST, Thiruvananthapuram, Nov22-25.
  71. **Mary Sheeba A, Mahesh B, Devi Chinmayee M, Swapna T.S and Mini I** (2015) Comparative evaluation of Hexavalent Chromium uptake and tolerance in two weed species of *Amaranthus*, Presented at International conference on New Horizons in Biotechnology organized by CSIR-NIIST, Thiruvananthapuram, Nov22-25.
  72. **Sangeetha G, Nikhila G. S, Devi Chinmayee M And Swapna T. S** (2015) Anti inflammatory and antioxidant potential of root methanol extract of *Pseudearthria viscida* (L) Wight and Arn Presented at National Seminar on Insight into recent trends in Biological Sciences and Technology , at University College, Thiruvananthapuram, Sept 29-30
  73. **Nikhila G S, Sangeetha G, Archana G Nair, Devi Chinmayee M and Swapna TS** (2015) Hepatoprotective activity of the root tubers of *Gloriosa superba* and its conservation through microtopagation, Presented at National Seminar on Insight into recent trends in Biological Sciences and Technology , at University College, Thiruvananthapuram, Sept 29-30
  74. **Aranya M S and Swapna T S** (2015) *In vitro* propagation of *Vitex negundo*- a plant with antioxidant potential, Presented at National Seminar on Insight into recent trends in Biological Sciences and Technology , at University College, Thiruvananthapuram, Sept 29-30
  75. **Mary Sheeba A, Mahesh B, Devi Chinmayee M, Mini I and Swapna T.S** (2015) Phytoaccumulation of heavy metals and antioxidative defense in the weed *Amaranthus viridis* L, Presented at National Seminar on Insight into recent trends in Biological Sciences and Technology , at University College, Thiruvananthapuram, Sept 29-30

76. **Mahesh B, Mary Sheeba A, Devi Chinmayee M, Mini I and Swapna T.S** (2015) Submerged aquatic weed *Hydrilla verticillata* (Lf.) Royle. as a phytoaccumulator of hexavalent chromium, Presented at National Seminar on Insight into recent trends in Biological Sciences and Technology, at University College, Thiruvananthapuram, Sept 29-30
77. **Devi chinmayee M, Mahesh B, Nikhila G S, Nikhila G S, Sangeetha G, Mini I and Swapna T.S** (2015) Phytoremediation of three lead contaminated sites of Kerala: an attempt using two species of *Alternanthera* Presented at National Seminar on Insight into recent trends in Biological Sciences and Technology, at University College, Thiruvananthapuram, Sept 29-30
78. **Lakshmi C S and Swapna T S** (2015) In Vitro antioxidant activity of methanol extract of *Curculigo orchioides* Gaertn, Presented at National Seminar on Insight into recent trends in Biological Sciences and Technology, at University College, Thiruvananthapuram, Sept 29-30
79. **Archana. G. Nair, Nikhila.G.S, Sangeetha G, Devi Chinmayee M, mini I and Swapna.T.S**(2015), In Vitro propagation and hepatoprotective activity in *Diplazium esculentum* (Retz.) Sw.-A wild edible fern of Western Ghats, Presented at Second National Biodiversity Congress, Organized by Kerala State Biodiversity Board, Feb 23-27
80. **Sangeetha G, Nikhila G. S, Devi Chinmayee M And Swapna T. S** (2015) High Frequency plant regeneration system in *Pseudarthria viscida* (L) Wight and Arn.-A hepatoprotective plant, Presented at Second National Biodiversity Congress, Organized by Kerala State Biodiversity Board, Feb 23-27
81. **Parvathy L, Sangeetha G, Nikhila G. S, And Swapna T. S** (2015) In vitro conservation and nutritional analysis of a medicinally important plant *Talinum portulacifolium* (Forssk) Asch Ex. Schweinf, Presented at Second National Biodiversity Congress, Organized by Kerala State Biodiversity Board, Feb 23-27
82. **Nikhila G S, Sangeetha G, Archana G Nair, Devi Chinmayee M and Swapna TS** (2015) Antiinflammatory properties of the root tubers of *Gloriosa superba* and its conservation through micropropagation, Presented at Second National Biodiversity Congress, Organized by Kerala State Biodiversity Board, Feb 23-27

83. **Lakshmi C S, Rekha A R and Swapna T S (2015)** In vitro culture and phytochemical evaluation of *Curculigo orchioides* Gaertn., Presented at Second National Biodiversity Congress, Organized by Kerala State Biodiversity Board, Feb 23-27
84. **Devi chinmayee M, Mahesh B, Mary Sheeba A, Sangeetha.g, Mini I and Swapna T.S** (2015), Phytoaccumulation of heavy metals by two species of *Alternanthera*, Presented at Second National Biodiversity Congress, Organized by Kerala State Biodiversity Board, Feb 23-27.
85. **Mary Sheeba A, Deepa J S, Mahesh B, Smitha Devi P S, Swapna T S and Mini I** (2015) Antimicrobial and hepatoprotective activity of a medicinal weed *Sebastiania chamaelea* ( L ) Muell.Arg, Presented at Second National Biodiversity Congress, Organized by Kerala State Biodiversity Board, Feb 23-27
86. **Devi chinmayee M, Anu M S, Mahesh B, Mary Sheeba A, Mini I and Swapna T.S** (2015), Assessment of phytoremediation potential of biodiesel plant- *Jatropha curcas* L, Presented at 27<sup>th</sup> Kerala Science Congress, held at Alappuzha, Jan 27-29.
87. **Mary Sheeba A, Mahesh B, Mini I and Swapna T.S** (2015), Evaluation of heavy metal tolerance in *Amaranthus viridis* L with reference to morphological responses, Presented at 27<sup>th</sup> Kerala Science Congress, held at Alappuzha, Jan 27-29
88. **Mahesh B, Mary Sheeba A, Devi chinmayee M, Mini I and Swapna T.S** (2015), Evaluation of antioxidant defense and phytoremediation efficacy of a submerged aquatic macrophyte *Hydrilla verticillata* ( L E.) Royle. under lead stress, Presented at 27<sup>th</sup> Kerala Science Congress, held at Alappuzha, Jan 27-29.
89. **Sangeetha G, Nikhila G. S, Archana G Nair, And Swapna T. S (2015)** Antimicrobial screening of a medicinally potent plant *Pseudarthritis viscida* (L) Wight and Arnon. Against common food borne and human pathogenic microorganisms, Presented at 27<sup>th</sup> Kerala Science Congress, held at Alappuzha, Jan 27-29.
90. **Sangeetha G, Nikhila G. S, Devi C M And Swapna T. S (2015)** Exploration Of *In Vitro* Hepatoprotective and antioxidant Activities Of Root Methanol Extract Of *Pseudarthritis Viscida* (L.) Wight And Arn Presented at National Seminar on Flowering plant reproduction and Diversity, Organized by Department of Botany, Fathima Matha College, Kollam, Jan 9-10

91. **Parvathy L, Sangeetha G, Nikhila G. S, And Swapna T. S (2015)** Nutritional and antinutritional properties of a potential medicinal plant- *Talinum portulacifolium* (Forssk) Asch ex. Schweinf, Presented at National Seminar on Flowering plant reproduction and Diversity, Organized by Department of Botany, Fathima Matha College, Kollam, Jan 9-10
92. **Devi chinmayee M, Sangeetha.g, nikhila. G.S, Archana G Nair, Mini I and Swapna T.S (2014)** Phytoremediation of cadmium, chromium and lead from urban solid waste compost using two species of *Alternanthera*, Presented in **4th International Seminar on Sustainable Utilization of Tropical plant Biomass-Ayur Informatics**, Organized by Department of Computational Biology and Bioinformatics, University of Kerala, Dec 12 & 13, 2014
93. **Nikhila G S, Sangeetha G, Archana G Nair, Devi Chinmayee M and Swapna TS (2014)** A comparative study on free radical scavenging activity of methanolic tuber and seed extracts of a medicinally potent plant- *Gloriosa superba* L Presented in **4th International Seminar on Sustainable Utilization of Tropical plant Biomass-Ayur Informatics**, Organized by Department of Computational Biology and Bioinformatics, University of Kerala, Dec 12 & 13, 2014
94. **Sangeetha G, Nikhila G. S, Archana G Nair, Devi Chimayee M And Swapna T. S (2014)** Exploration Of *In Vitro* Hepatoprotective Activity Of Root Methanol Extract Of *Pseudarthria Viscida* (L.) Wight And Arn Presented in **4th International Seminar on Sustainable Utilization of Tropical plant Biomass-Ayur Informatics**, Organized by Department of Computational Biology and Bioinformatics, University of Kerala, Dec 12 & 13, 2014
95. **Archana. G. Nair, Nikhila.G.S, Sangeetha G, Devi Chinmayee M and Swapna.T.S(2014)** Stress Induced Elicitation Of Flavanoids In The Suspension Culture Of *Diplazium Esculentum* (Retz.) Sw - A Wild Edible Fern Of Western Ghats Presented in **4th International Seminar on Sustainable Utilization of Tropical plant Biomass-Ayur Informatics**, Organized by Department of Computational Biology and Bioinformatics, University of Kerala, Dec 12 & 13, 2014
96. **Mary Sheeba A, Mahesh B, Swapna T S and Mini I (2014)** Antioxidative response and Biochemical changes in the invasive weed *Amaranthus spinosus* L under cadmium stress, Presented in **4th International Seminar on Sustainable Utilization of Tropical plant**

**Biomass-Ayur Informatics**, Organized by Department of Computational Biology and Bioinformatics, University of Kerala, Dec 12 & 13, 2014

97. **Mahesh B, Mary Sheeba A, Devi Chinmayee M, Swapna T S and Mini I** (2014) Evaluation of biochemical mode of defense and phytoremediation efficacy of a submerged aquatic macrophyte *Hydrilla verticillata* ( L F) Royle. Under cadmium stress presented in **4th International Seminar on Sustainable Utilization of Tropical plant Biomass-Ayur Informatics**, Organized by Department of Computational Biology and Bioinformatics, University of Kerala, Dec 12 & 13, 2014
98. **Devi chinmayee M, Mahesh B, Mary Sheeba A, Sangeetha.G, Mini I and Swapna T.S** (2014) Comparative study on antioxidant activities of two species of *Alternanthera* in response to Hexavalent chromium stress, presented in **National Symposium on underutilized and wild edible plants of India- Future crops** organized by Department of Botany, University of Kerala, Dec 10 & 11 2014
99. **Sangeetha G, Nikhila G. S, Devi Chimayee M And Swapna T. S**(2014) *In vitro* antioxidant and anti inflammatory evaluation of root methanol extract of *Pseudarthria viscida* (L) Wight and Arn presented in **National Symposium on underutilized and wild edible plants of India- Future crops** organized by Department of Botany, University of Kerala, Dec 10 & 11 2014
100. **Archana. G. Nair, Nikhila.G.S, Sangeetha G, Devi Chinmayee M and Swapna.T.S**(2014) *In vitro* development of sporophyte and gametophyte in *Diplazium esculentum* ( Retz.) Sw.- A wild edible fern of western Ghats presented in **National Symposium on underutilized and wild edible plants of India- Future crops** organized by Department of Botany, University of Kerala, Dec 10 & 11 2014
101. **Mahesh B, Mary Sheeba A, Devi Chinmayee M, Swapna T S and Mini I** (2014) Phytoaccumulation of heavy metals and fluctuation in photosynthetic pigments in *Hydrilla verticillata* presented in **National Symposium on underutilized and wild edible plants of India- Future crops** organized by Department of Botany, University of Kerala, Dec 10 & 11 2014
102. **Nikhila G S, Sangeetha G, Devi Chinmayee M and Swapna TS** (2014) Evaluation of the anti inflammatory activity of a medicinally potent plant- *Gloriosa superba* L presented



in **National Symposium on underutilized and wild edible plants of India- Future crops** organized by Department of Botany, University of Kerala, Dec 10 & 11 2014.

103. **Mary Sheeba A, Mahesh B, Swapna T S and Mini I** (2014) Antioxidative defense and biochemical changes in the invasive weed *Amaranthus spinosus* L under lead stress presented in **National Symposium on underutilized and wild edible plants of India- Future crops** organized by Department of Botany, University of Kerala, Dec 10 & 11 2014.
104. **Nikhila.G.S, Sangeetha.G, Archana.G.Nair, Devi Chinmayee.M, Pradeesh.S and Swapna.T.S** (2014)Antibacterial screening of a medicinally potent plant *Gloriosa superba* L. Presented in 26<sup>th</sup> **Kerala Science Congress 2014**, held at Wayanad, January, 28-31.
105. **Sangeetha.G, Nikhila.G.S, Archana.G.Nair, Devi Chinmayee.M, Pradeesh.S and Swapna.T.S** (2014)In vitro antioxidant evaluation of root methanol extract of *Pseudarthria viscid* (L.) Wight & Arn, Presented in 26<sup>th</sup> **Kerala Science Congress 2014**, held at Wayanad, January, 28-31.
106. **Devi Chinmayee.M, Nikhila.G.S, Sangeetha.G, Mary Sheeba.A, Mini I and Swapna.T.S** (2014) Biochemcial mode of resistance to environmental toxic heavy metal lead in two species of *Alternanthera*, Presented in 26<sup>th</sup> **Kerala Science Congress 2014**, held at Wayanad, January, 28-31.
107. **Nikhila.G.S, Sangeetha.G, Archana.G.Nair, Devi Chinmayee.M, Pradeesh.S and Swapna.T.S** (2014)Investigation of hepatoprotective activity of *Gloriosa superba* L. and its conservation through micropropagation, Presented in National symposium on **‘Emerging trends in Biotechnology 2014, organized by** Department of Biotechnology, Cochin University of Science and Technology. January, 22-24.
108. **Sangeetha.G, Nikhila.G.S, Archana.G.Nair, Devi Chinmayee.M, and Swapna.T.S** (2014) Antioxidant evaluation of different plant parts and callus of *Pseudarthria viscid* (I) Wight and Arn, Presented in National symposium on **‘Emerging trends in Biotechnology 2014, organized by** Department of Biotechnology, Cochin University of Science and Technology. January, 22-24.
109. **Sangeetha G, Nikhila G S, Archana G Nair , Pradeesh S, Swapna T S** (2013)An efficient plant regeneration system in *Pseudarthria Viscida* (L.) Wight and Arn.-a rare

ethanomedicinal undershrub, Presented at National Symposium on Gene, Environment and Health, Organized by Department of Botany, University of Kerala on October 22-24.

110. **Archana G Nair, Pradeesh S, Nikhila G S, Sangeetha G, Mini I and Swapna T. S,**(2013) Anticancer property of Flavanoid glycoside from *Diplazium esculentum* (retyz); a potential anti cancer drug, Presented at National Symposium on Gene, Environment and Health, Organized by Department of Botany, University of Kerala on October 22-24.
111. **Nikhila.G.S, Sangeetha.G, Archana.G.Nair, Pradeesh.S and Swapna.T.S (2013)** Investigation of anti-inflammatory activity of *Gloriosa superba* l. and its conservation through micropropagation, Presented at National Symposium on Gene, Environment and Health, Organized by Department of Botany, University of Kerala on October 22-24.
112. **Devi Chinmayee M, Mary Sheeba A, Mini I and Swapna T.S** (2013) Phytoaccumulation of heavy metals and antioxidant responses in *Alternanthera tenella* colla, Presented at National Symposium on Gene, Environment and Health, Organized by Department of Botany , University of Kerala on October 22-24.
113. **Mary Sheeba A, Mahesh M, Devi Chinmayee M, Swapna T.S and Mini I** (2013) Assessment of Hexavalent chromium tolerance and Antioxidant defense in *Amaranthus viridis* L Presented at National Symposium on Gene, Environment and Health, Organized by Department of Botany , University of Kerala on October 22-25.
114. **Mahesh M, Krishna A, Mary Sheeba A, Swapna T.S and Mini I** (2013) Phytoremediation of toxic heavy metals by free floating aquatic macrophytes *Lemna minor* L and *Spirodela polyrhiza* (L) Schleid, Presented at National Symposium on Gene, Environment and Health, Organized by Department of Botany , University of Kerala on October 22-25.
115. **Nikhila.G.S, Sangeetha.G, Archana.G.Nair, Pradeesh.S and Swapna.T.S** (2013) High frequency embryogenesis and organogenesis in *Gloriosa superba* l. - a plant in need of conservation, Presented in **International conference on Ecosystem conservation, Climate change and sustainable development**, Organized by department of Aquatic Biology and Fisheries, University of Kerala, October 3-5
116. **Sangeetha G, Nikhila G S, Archana G Nair , Pradeesh S, Swapna T S(2013)** Conservation of an anti inflammatory medicinal plant-*Pseudarthria viscida* (l.)wight and arn. through rapid *in vitro* clonal propagation, Presented in **International conference on**

**Ecosystem conservation, Climate change and sustainable development**, Organized by department of Aquatic Biology and Fisheries, University of Kerala, October 3-5

117. **Archana G Nair, Pradeesh S, Nikhila G S, Sangeetha G, Mini I & Swapna T. S** (2013) Conservation of vegetable fern (*Diplazium esculentum* Retz) of western ghats through *in vitro* spore culture, Presented in **International conference on Ecosystem conservation, Climate change and sustainable development**, Organized by department of Aquatic Biology and Fisheries, University of Kerala, October 3-5
118. **Devi Chinmayee M, Nikhila G.S, Sangeetha G, Archana G Nair, Mary Sheeba A, Mini I and Swapna T.S**, (2013) Phytoremediation potential and antioxidant responses in *alternanthera sessilis* (L) R.Br. Presented in **International conference on Ecosystem conservation, Climate change and sustainable development**, Organized by department of Aquatic Biology and Fisheries, University of Kerala, October 3-5
119. **Devi Chinmayee M, Princymol Stephan, Anu.M.S, Mary Sheeba.A, Mini I and Swapna T.S** (2012) Effect of Cadmium Stress on Antioxidant Activity of two species of *Alternanthera*, Presented in **International Conference on Industrial Biotechnology**, Organized by Department of Biotechnology, Punjabi University, Patiala, Nov21-23.
120. **Archana G Nair, Pradeesh S, Nikhila G S, Sangeetha G, Mini I and Swapna T. S**(2012) *In vitro* propagation of a rare medicinal fern of Western Ghats –*Diplazium esculentum* (Reytz.), Presented in **International Conference on Industrial Biotechnology**, Organized by Department of Biotechnology, Punjabi University, Patiala, Nov21-23.
121. **Archana G Nair, Pradeesh S, Devi Chinmayee, Nikhila.G.S, Sangeetha.G, Mini I & Swapna T S** (2012) Nutritional evaluation of *Diplazium esculentum* (retz) a wild fern from western ghats, Presented in **International Seminar on World Bioheritage Concerns over Climate Change**, with a Special Reference to Ethnic Vegetables, Organized by Department of Botany, Sree Narayana College, Chempazhanthy, 7- 8 September 2012
122. **Devi Chinmayee M, Princymol Stephan, Anu.M.S, Mary Sheeba.A, Mini I and Swapna T.S** (2012) Effect of enhanced hexavalent chromium in soil on biochemical attributes of *Alternanthera tenella*, colla, Presented in **International Seminar on World Bioheritage Concerns over Climate Change**, with a Special Reference to Ethnic

Vegetables, Organized by Department of Botany, Sree Narayana College, Chempazhanchy,  
7- 8 September 2012

123. **Pradeesh S, Archana G. Nair, Sangeetha G, Nikhila G. S, Mini I and Swapna T. S** (2012) Antioxidant factors in *Bidens biternata* (Lour.) Merr. and Sheriff. - A wild leafy vegetable of Western Ghats, Presented in **International Seminar on World Bioheritage Concerns over Climate Change**, with a Special Reference to Ethnic Vegetables, Organized by Department of Botany, Sree Narayana College, Chempazhanchy, 7- 8 September 2012
124. **Nikhila.G.S, Devi Chinmayee.M, Archana.G.Nair, Sangeetha.G, Pradeesh.S and Swapna.T.S** (2012) Somatic embryogenesis in *Gymnema sylvestre* r.br.- vulnerable medicinal plant, Presented in **International Seminar on World Bioheritage Concerns over Climate Change**, with a Special Reference to Ethnic Vegetables, Organized by Department of Botany, Sree Narayana College, Chempazhanchy, 7- 8 September 2012
125. **Sangeetha G, Archana G Nair, Devi Chinmayee, Nikhila G S, Pradeesh S, Swapna T S** (2012) *In vitro* studies of *Pseudarthria viscida* (L) Wight and Arn. - a vulnerable medicinal plant, Presented in **International Seminar on World Bioheritage Concerns over Climate Change**, with a Special Reference to Ethnic Vegetables, Organized by Department of Botany, Sree Narayana College, Chempazhanchy, 7- 8 September 2012.
126. **Lekshmy priya D, Sangeetha G, Swapna T S and Preetha T S** (2012) *In vitro* multiplication and antimicrobial activity studies in a red listed plant *Baliospermum montanum* (Willd.) Muell. Arg, Presented in **International Seminar on World Bioheritage Concerns over Climate Change**, with a Special Reference to Ethnic Vegetables, Organized by Department of Botany, Sree Narayana College, Chempazhanchy, 7- 8 September 2012
127. **Archana G Nair, Pradeesh S, Devi Chinmayee M, Mini I & Swapna T S** (2012) *Diplazium esculentum*- a wild nutrient rich leafy vegetable from Western Ghats, Presented in **International Conference on Advances in Biological Sciences**, Department of Biotechnology and Microbiology, Inter University Centre for Biosciences, Kannur Univesity, 15-17 March 2012
128. **Pradeesh S, Archana G Nair, Devi Chinmayee M, Sarika C. S, Mini I and Swapna T. S**, Biochemical and Nutritional Evaluation of *Monochoria vaginalis* Presl. Presented in

**International Conference on Advances in Biological Sciences**, Department of Biotechnology and Microbiology, Inter University Centre for Biosciences, Kannur University, 15-17 March 2012

- 129. Princy Mol Stephen, Devi Chinmayee M, Mary Sheeba A, Swapna T S & Mini I** (2012) Antioxidative response of *Pistia stratiotes* under heavy metal stress Presented in **Kerala Science Congress**, Thirvananthapuram Jan 2012.
- 130. Pradeesh S, Devi Chinmayee M, Mini I and Swapna T. S** Phytochemical investigation of *Bidens biternata* [Lour.] Merr. And Sheriff.- A nutrient rich leafy vegetable from Western Ghats , Presented in **International Conference on “New Horizons in Biotechnology-2011”** organized by National Institute on Interdisciplinary science and Technology-CSIR, Nov. 2011
- 131. Devi Chinmayee M, Mahesh B, Pradeesh S , Mini I, Swapna T.S,** The assessment of phytoremediation potential of an invasive weed *Amaranthus spinosus* L. Presented in **International Conference on “New Horizons in Biotechnology-2011”** organized by National Institute on Interdisciplinary science and Technology-CSIR, Nov. 2011
- 132. Pradeesh S, Devi Chinmayee M, Mini I and Swapna T. S,** Nutritional evaluation of *Bidens bittermata* [Lour.] Merr. And Sheriff- An ethnomedicinal plant, Presented in **International Symposium on Genomics of crops, Medicinal plants and Microbes** organized by Department of Botany , University of Kerala on May 2011
- 133. Suchitra S, Remya Raj, Archana G Nair, Pradeesh S and Swapna T S,** *In vitro* somatic embryogenesis in *Sesbania grandiflora* PERS- A highly important medicinal tree- Presented in **International Symposium on Genomics of crops, Medicinal plants and Microbes organized by Department of Botany** , University of Kerala on May 2011
- 134. Archana G Nair, Devi Chinmayee, Pradeesh S, Swapna T S,** Nutritional and antinutritional factors in a wild leafy fern from western ghats- *Diplazium esculentum*, Presented in **First Indian Biodiversity Congress**, National Seminar, 2010 organized by CISSA & Kerala Biodiveristy Board, December 2010
- 135. Nikhila, G S, Bannita Kumari, & Swapna T S,** Antimicrobial effect of a highly important medicinal plant- *Gymnema sylvestre* R Br, Presented in **First Indian Biodiversity Congress**, National Seminar, 2010 organized by CISSA & Kerala Biodiveristy Board, December 2010

136. **Nikhila, G S, Bannita Kumari, & Swapna T S**, Micropropagation of a highly important medicinal plant- *Gymnema sylvestre*, paper presented in Golden Jubilee **National Symposium on Plant Diversity Utilization and management**, organized by Department of Botany, University of Kerala, Thiruvananthapuram, May, 2010
137. **Reni Simon & Swapna T S**, Micropropagation of an endangered medicinal plant- *Piper longum*, Paper presented in 22 nd **Kerala Science Congress**, held at KFRI, Peechi, Jan 2010
138. **Swapna, T.S.** Effect of carbon sources and growth regulators in androgenic callus formation and green plant regeneration in rice. Paper presented in “**Biohorizon**” the 6<sup>th</sup> **National Symposium on Biochemical Engineering and Biotechnology**, held at Indian Institute of Technology, New Delhi. March 12-13, 2003.
139. **Swapna, T.S.** Effect of carbon sources and cold shock of inflorescence in anther culture of rice. Paper presented in “**Biohorizon**” the 6<sup>th</sup> **National Symposium on Biochemical Engineering and Biotechnology**, held at Indian Institute of Technology, New Delhi. March 12-13, 2003.
140. **Swapna, T.S** and Manju, T.S. *Rapid in vitro multiplication of Hemidesmus indicus – a valuable medicinal plant.* Presented in the **International conference on “Emerging frontiers at the interface of chemistry and biology”** Trivandrum, April 28 – 30. 2003.
141. **Swapna, T.S** and Binitha, M. *In vitro induction of somatic embryogenesis and multiple shoots in Kaempferia galanga.* Presented in the **International conference on “Emerging frontiers at the interface of chemistry and biology”** Trivandrum, April 28 – 30. 2003.
142. **Swapna, T.S,** *Isozyme marker for salt tolerance in rice.* Presented in **International Conference on New Horizons in Biotechnology**, organised by Regional Research Laboratory, Trivandrum, India on April 2001.
143. **Swapna, T.S,** *Effect of maltose, sucrose and growth regulators in androgenic callus formation and green plant regeneration in rice,* Presented in **International Conference on New Horizons in Biotechnology**, organised by Regional Research Laboratory, Trivandrum, India on April 2001.
144. **Swapna, T.S,** *Effect of salt stress on enzyme activity in callus and different developmental stages of rice,* Presented in **International Conference on New Horizons in**

**Biotechnology**, organised by Regional Research Laboratory, Trivandrum, India on April 2001.

145. **Swapna T. S and Nambisan P** (2000), Variations in esterase and Isocitricdehydrogenase in differential developmental stages of Rice and under stress, Presented at **National Symposium on Medical, Plant and Industrial Biotechnology**, organized by Department of Biotechnology, Cochin University of Science and Technology, 1-2 December 2000
146. **Swapna, T.S** and Nambisan, P. Variations in esterase banding pattern in rice at different developmental stages and under stress. Presented in **National Symposium in Recent trends in Biotechnology** held at Karnataka Agricultural University on January 1997.