

**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with 'A<sup>+</sup>' Grade by NAAC. Recognised by UGC under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**DEPARTMENT OF BIOCHEMISTRY, BIOTECHNOLOGY AND BIOINFORMATICS**

**List of Proceedings published by Faculty 2015-2022**

S.No.	Name of the staff /Title of the paper	Name of the Book/ Name of the conference	Name of the Publisher	National / International	ISBN/ISSN No.	Year of Publication
1.	R Radha, <b>S. Kalaiselvi</b> , P. Lincy and K. Vallikkannu /Development of value added Ready -to- Eat (RTE) millet flakes	International conference on Whole Grain Technology	AMET University, Chennai	International	978-93-85434-73	2019
2.	R Radha, <b>S. Kalaiselvi</b> , P. Lincy and K. Vallikkannu /Effect of value-added millet flakes on weight management of selected obese women	International conference on Whole Grain Technology	AMET University, Chennai	International	978-93-85434-73	2019
3.	<b>Gayathri Devi, S.</b> and <b>Vasundhara. C.C.S./</b> Dose determination of ethanolic extracts of leaves of <i>Boerhaviadiffusa</i> in experimental rats.	4th International Conference on Interdisciplinary Research Innovations in Science and Humanities, IC-IRISH 2018.	Nehru Arts and Science College, Coimbatore	International	978-93-5321-885-0	2018
4.	Sujatha, A. and <b>Subash, A.</b> / Isolation and Screening of Extracellular Protease Produced by <i>Bacillus subtilis</i> from Termite Soil	Proceedings at the National Conference on 'Recent Trends in Life Science: Research, Practices and Application for Sustainable Development"	Bharathiyar University, Coimbatore	National	ISBN – 978-93-84234-04-1	2017
5.	<b>Padma, P.R.</b> , Chitra, E., <b>Sumathi, S.</b> , Aiswarya, T., and <b>Poornima, A.</b> / Cytotoxicity of isolated and purified bromelain from <i>Ananas comosus</i>	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology,	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017

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6.	<b>Padma, P.R., Kavitha, D</b> and Sudha, G. / Mechanistic approaches for the antimicrobial action of Phytochemicals	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
7.	<b>Sumathi, S., Poornima, A.,</b> and Ragavan, B. / Detoxification of lead toxicity using in vitro antioxidant properties of <i>Cynodon dactylon</i> in lead induced goat liver homogenate	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
8.	<b>Bhuvanewari, V., Anitha Subash, Shobana, A., Rajeswari, M</b> and Gowthami, M/ Biodegradation of Bisphenol A by Bacillus sp. PK4	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
9.	<b>Suganthi, B.</b> and Ramya, K / Behaviour of <i>Penicillium chrysogenum</i> as Biocontrol Agent against Aflatoxigenic <i>Aspergillus parasiticus</i>	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
10.	<b>Annapurani, S.</b> Srilatha M and Santhi, R. / Identification, Characterization, and Immunomodulatory Role of Leaf Protein Fraction of <i>Tabernaemontana divaricata</i>	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017

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11.	<b>Gayathri Devi, S./</b> Therapeutic Approaches of Nanotechnology in Herbal ugs for the Management of Diabetes Mellitus	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
12.	<b>Kalaiselvi Senthil</b> and Sangeetha U / Influence of geographical location of plant growth on its metabolite accumulation: A comparative quantification of secondary metabolites in <i>in vitro</i> and <i>in vivo</i> root samples of Withania	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
13.	<b>Sivagami Srinivasan</b> and Raja Hepzi, F / A comparative study of Enzymic Antioxidants in the selected Beetroot Varieties	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
14.	<b>Anitha Subash, Shobana, A. Sujatha A., &amp; Sherin, A. /</b> Identification of Protease - producing Bacteria from Organic Waste Soil	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
15.	<b>Annapurani, S., Suganthi, B.</b> Velvizhi S and Sowmiya V	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017

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16.	<b>Padma, P.R., Sumathi, S.,</b> Banupriya, S.J.S., and Kavithaa.K. / Characterization and antibacterial activity of biosynthesized <i>Embllica officinalis</i> iron oxide nanoparticles	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Laser Park Publishing House	International	ISBN – 978-93-84234-04-1	2017
17.	<b>Padma, P.R., Sumathi, S.</b> and Sonia Raj, K. / In silico docking studies of thymoquinone with cancer and apoptotic targets proteins, inhibits proliferation and induces apoptosis in breast cancer cells	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Laser Park Publishing House	International	ISBN – 978-93-84234-04-1	2017
18.	<b>Padma, P.R., Nirmaladevi, R</b> and Iswariya, G.T. / Analysis of <i>Citrus limetta</i> and <i>Citrus sinensis</i> peel for their phytoconstituents	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
19.	<b>Pushpa, A.,</b> Pappa Ammal, and Lourdu Silvi Sinduja, R. / Evaluation of thrombolytic potential of <i>Basella alba</i> L. and <i>Talinum portulacifolium</i>	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
20.	<b>Bhuvanewari, V</b> and Kavitha, R. / Investigation of the Polyethylene Degrading Potential of the Isolated Bacterial Strain in Polyethylene Contaminated Soil by Bioaugmentation Strategy	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017

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21.	<b>Usha, K</b> and Gomathi, R. / In vitro antioxidant activity of <i>Medicago sativa</i>	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
22.	<b>Padma, P.R.</b> , Azhagumeena, C., Preethi, R., and Archana, A.K. / Anticancer Activity of Eugenol and Eugenol Rich Plant Extracts ( <i>Piper betle</i> and <i>Syzygium Aromaticum</i> ) on Oral Carcinoma Cell	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
23.	<b>Gayathri Devi, S.</b> and Vasundhara, C.C.S. / Investigation of Hypoglycemic and Antioxidant Properties of Ethanolic Extract of the Leaves of <i>Boerhaviadiffusa</i> in Streptozotocin-Induced Rats	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
24.	<b>Jeyanthi G.P.</b> and Renuka, R. / <i>In vitro</i> α-amylase Inhibitory Kinetics and Antioxidant Potentials of <i>Trigonella foenum-graecum</i>	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Laser Park Publishing House	International	ISBN – 978-93-84234-04-1	2017
25.	<b>Padma, P.R. and Sumathi, S.</b> Dharani. B. and Sivaprabha. J. / Anticancer activities of Methanolic leaf extract of <i>Prosopis cineraria</i> in Breast Cancer cell lines	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Laser Park Publishing House	International	ISBN – 978-93-84234-04-1	2017

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26.	<b>Annapurani, S</b> Srilatha, M., and Santhi, R. / Role of Phytoproteins in in vitro antioxidant and in vivo antitumor activity of <i>Tabernamontana divaricata</i> against Dalton's Lymphoma Ascites (DLA) cells bearing mice	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
27.	<b>Pushpa A</b> and Shalini H. Kumar / Toxicity Studies of <i>Punica granatum</i> – From Cell Line to Animal Model	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
28.	<b>Gayathri Devi. S</b> and Mary Shoba Das, C / Protective Effect of Ethanolic Extract of Fruits of <i>Terminalia bellirica</i> on Experimentally Induced Obesity in Wistar Rats	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
29.	<b>Padma, P.R., Nirmaladevi, R.,</b> Kavitha, M., and Iswariya, G.T., / <i>In vitro</i> antioxidant activity and phytochemical analysis of <i>Citrus limetta</i> and <i>Citrus sinensis</i>	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
30.	<b>Padma, P.R.</b> and Sivapriyadharshini, S. / Protein interactions may influence the effectiveness of phytochemicals as anticancer agents	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017

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31.	<b>Padma, P.R.</b> and Radha, P. / Differential Cytotoxic Effect of <i>Majorana hortensis</i> leaf extract on chick embryo cells and Hep2 cell lines	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
32.	<b>Jeyanthi, G. P.</b> and Gayathri, P. / Mechanism of in vitro inhibition of alpha amylase and alpha glucosidase activities by ethanolic extract of <i>Polyalthia longifolia</i> bark	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
33.	<b>Santhi, N., Rajeswari, M</b> and Sridevi, N.S., / Phytochemical analysis of freshwater algae <i>Chlorella pyrenoidosa</i> , <i>Chlorella vulgaris</i> and <i>Spirulina platensis</i> and its antibiofilm activity	International Conference on "Herbal and Natural Components as the Future of Pharmacology" and 7th Annual Meet of the National Society of Ethnopharmacology, Department of Biochemistry, Biotechnology and Bioinformatics	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-1	2017
34.	<b>Sujatha, A., Subash, A., Shobana, A.</b> and Sherin, A./ Identification of Protease - producing Bacteria from Organic Waste Soil,	International Conference on 'Herbal and Natural Components as the Future of Pharmacology and 7th Annual Meet of the National Society of Ethnopharmacology'	Department of Biochemistry, Biotechnology and Bioinformatics	International	ISBN – 978-93-84234-04-2	2017
35.	<b>Usha, K., Bharathi.K</b> and Gomathi.R / In Silico study on the interaction of bioactive compounds from <i>Medicago sativa</i> leaves with myocardial infarction targets	Proceedings of ICMR Sponsored National Conference on Challenging Issues and Technological Approaches in Medicine, CITAM	Department of Science and Humanities, Faculty of Engineering, Avinashilingam Institute for Home Science and Higher Education	National	ISBN – 81-8446-7559	2016

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36.	<b>Gayathri Devi, S</b> and Mary Shoba Das, C/Antihyperlipidemic Effect of Fruits of <i>Terminalia bellirica</i> in Streptozotocin-Induced Diabetic Rats	Proceedings of ICMR Sponsored National Conference on Challenging Issues and Technological Approaches in Medicine, CITAM	Department of Science and Humanities, Faculty of Engineering, Avinashilingam Institute for Home Science and Higher Education	National	ISBN – 81-8446-7559, pp132-136.	2016
37.	<b>Gayathri Devi, S</b> and Vasundhara, C.C.S. / Effect of leaves of <i>Boerhaviadiffusa</i> on Lipid Profile in Streptozotocin and Isoproterenol Induced Diabetic Rats,	Proceedings of ICMR Sponsored National Conference on Challenging Issues and Technological Approaches in Medicine, CITAM	Department of Science and Humanities, Faculty of Engineering, Avinashilingam Institute for Home Science and Higher Education	National	ISBN – 81-8446-7559, pp36-43.	2016
38.	<b>Gayathri Devi, S</b> Premalapriyadarsini, V., Karthika, N., Ramyasivaselvi, M., Padhmini, K.P and Sangeetha, K/ Anemic Status of Rural Adolescent Girls (13-15) years in Selected Villages of Coimbatore,	Proceedings of ICMR Sponsored National Conference on Challenging Issues and Technological Approaches in Medicine, CITAM	Department of Science and Humanities, Faculty of Engineering, Avinashilingam Institute for Home Science and Higher Education	National	ISBN – 81-8446-7559, pp99-104.	2016
39.	<b>Usha, K</b> and Gomathi. R. / Phytochemical analysis and free radical scavenging activities of <i>Medicago sativa</i> germinated seeds	Proceedings - One day Semoinar on The Challenges and promise for health care and development	Rev Jacob Memorial Christian College, Ambilikkai	National	ISBN – 978-93-82323-60-0 pg-no:C148-151	2016
40.	<b>Usha, K</b> and Baby Shakila.P / Antioxidant level and antitubercular activity of selected indigenous natural products	Proceedings - One day Semoinar on Botanical and Phytochemicals: The Challenges and promise for health care and development	Rev Jacob Memorial Christian College, Ambilikkai	National	ISBN – 978-93-82323-60-0 pg-no:C170-172	2016
41.	Mary Shoba Das, C and <b>S. Gayathri Devi</b> / Proximate Analysis on Biochemical Study of <i>Terminalia bellirica</i>	Proceedings - One day Seminar on Botanical and Phytochemicals: The Challenges and promise for health care and development	Rev Jacob Memorial Christian College, Ambilikkai	National	ISBN – 978-93-82323-60-0 PpC139-C141.2016	2016



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42.	Usha Nandhini, H., Priyanga, A. and <b>Gayathri Devi, S.</b> / HPTLC Profiling of VPK2	Proceedings - One day Seminar on Botanical and Phytochemicals: The Challenges and promise for health care and development	Rev Jacob Memorial Christian College, Ambilikkai	National	ISBN – 978-93-82323-60-0 PpA39-A42.	2016
43.	Nandhini, B. and <b>Gayathri Devi, S/</b> Antimicrobial Activity of <i>Cipadessa baccifera</i>	Proceedings - One day Seminar on Botanical and Phytochemicals: The Challenges and promise for health care and development	Rev Jacob Memorial Christian College, Ambilikkai	National	ISBN – 978-93-82323-60-0 Pp: 117-121	2016