Dr. Anuradha Dhanasekaran Professor, Department of Biotechnology Anna University, Chennai – 600025.

- Amudha Thanarasu, Karthik Periyasamy, Jason Thamizhakaran Stanley, Kubendran Devaraj, Premkumar Periyaraman, **Anuradha Dhanasekaran**, Sivanesan Subramanian. Anaerobic Co-digestion of Alkaline Pretreated Prosopis juliflora biomass with Sewage Sludge for Biomethane production. Energy Fuels, Vol. 33, Pages 7357-7365 (2019).
- Hameed A, Natarajan M, Jabbar S, Dhanasekaran JJ, Kumar K, Sivanesan S, Kron M, Dhanasekaran A. Immune Response to Brugia malayi Asparaginyl-tRNA Synthetase in Balb/c Mice and Human Clinical Samples of Lymphatic Filariasis. Lymphat Res Biol. Vol. 17 (4), Pages 447-456 (2019).
- Kubendran Devaraj, Manivasagan Veerasamy, Salma Aathika, Yuvarani Mani, Amudha Thanarasu, **Anuradha Dhanasekaran**, Sivanesan Subramanian. Study on effectiveness of activated calcium oxide in pilot plant biodiesel production. Journal of cleaner production, Vol. 225, Pages 18-26 (2019).
- Selvaraj Vimalraj, Subramaniyam Rajalakshmi, Sekaran Saravanan, Deepak Thirumalai, Murugan Kadarkarai, A Vasanthi Rajkumar, Anuradha Dhanasekaran. Zinc chelated morin promotes osteoblast differentiation over its uncomplexed counterpart. Process Biochemistry Vol. 82, Pages 167-172 (2019).
- Ramya Thangamani, Muthukumar Muthusamy, Premkumar Manickam Periyaraman, Amudha Thanarasu, Thiruselvi Devaraj, **Anuradha Dhanasekaran**, Subramanian Sivanesan. Advance electrochemical oxidation of fipronil contaminated wastewater by graphite anodes and sorbent nano hydroxyapatite. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 41, Pages 866-880 (2019).
- Tarun Pant, **Anuradha Dhanasekaran**, Xiaowen Bai, Zeljko Bosnjak, Zhi-Dong Ge. Genome Wide Microarray Profiling Identified Differentially Expressed Circulating Biomarkers Associated with Early Development of Diabetic Cardiomyopathy. The FASEB Journal, Vol. 33, Pages 778.12 (2019).
- Anuradha Dhanasekaran, Tarun Pant, Manoj Mishra, Xiaowen Bai, Zhi-Dong Ge, Zeljko Bosnjak. Co-expression Network Analysis of Altered IncRNAs and mRNAs in Diabetic Cardiomyopathy using Human iPSC-derived Cardiomyocytes. The FASEB Journal, Vol. 33, Pages 778.1 (2019).
- Premkumar Manickam Periyaraman, Sowmya Karan, Senthil Kumar Ponnusamy, Vinothkumar Vaidyanathan, Sathyaselvabala Vasanthakumar, Anuradha Dhanasekaran, Sivanesan Subramanian. Adsorption of an anionic dye onto native and chemically modified agricultural waste. Environmental Engineering & Management Journal (EEMJ), Vol. 18, Pages 257-270 (2019).

- Pant T, Mishra MK, Bai X, Ge ZD, Bosnjak ZJ, Dhanasekaran A. Microarray analysis of long non-coding RNA and mRNA expression profiles in diabetic cardiomyopathy using human induced pluripotent stem cell-derived cardiomyocytes. Diab Vasc Dis Res. Vol. 16 (1), Pages 57-68 (2018).
- Tarun Pant, **Anuradha Dhanasekaran**, Juan Fang, Xiaowen Bai, Zeljko Bosnjak, Mingyu Liang and Zhi Cong GE. Current status and strategies of long non-coding RNA Research for Diabetic Cardiomyopathy. BMC Cardiovascular Disorders. Accepted July 2018.
- Pavani Koka, Reddy Sailaja Mundre, Rohini Rangarajan, Yamini Chandramohan, Raghunandha Kumar Subramanian, **Anuradha Dhanasekaran** Uncoupling Warburg effect and stemness in CD133+ve Cancer stem cells from Saos-2 (Osteosarcoma) cell line under hypoxia. (2018) Mol Biol Rep. https://doi.org/10.1007/s11033-018-4309-2.
- Sekaran Saravanan, Selvaraj Vimalraj and **Dhanasekaran Anuradha**. Chitosan based thermoresponsive hydrogel containing graphene oxide for bone tissue repair. Biomedicine & Pharmacotherapy. Volume 107, July 2018, Pages 908-917.
- Subramaniyam Rajalakshmi, Selvaraj Vimalraj, Sekaran Saravanan, Desingh Raj Preeth, Manickaraj Shairam and **Dhanasekaran Anuradha**. Synthesis and characterization of silibinin/phenanthroline/ neocuproine copper(II) complexes for augmenting bone tissue regeneration: an in vitro analysis. Journal of Biological Inorganic Chemistry. March 2018. doi.org/10.1007/s00775-018-1566-4.
- Mundre RS1, Koka P1, Dhanaraj P1, Khatri N1, Vig S1, Chandramohan Y1, **Dhanasekaran A**1. Synergistic role of 5-azacytidine and ascorbic acid in directing cardiosphere derived cells to cardiomyocytes in vitro by downregulating Wnt signaling pathway via phosphorylation of β-catenin. PLoS One. 2017 Nov 30;12(11):e0188805. doi: 10.1371
- Variar G, Pant T, Singh A, Ravichandran A, Swami S, Kalyanaraman B, **Dhanasekaran** A. Effect of mitochondrially targeted carboxy proxyl nitroxide on Akt-mediated survival in Daudi cells: Significance of a dual mode of action. PLoS One. 2017 Apr 20;12(4)
- Samanta S, Balasubramanian S, Rajasingh S, Patel U, **Dhanasekaran A**, Dawn B, Rajasingh . MicroRNA: A new therapeutic strategy for cardiovascular diseases. J.Trends in cardiovascular medicine, March 2016. DOI: 10.1016/j.tcm.2016.02.004.
- Jeeva Jothi D, M Dhanraj, S Solaiappan, S Sivanesan, M Kron, **A Dhanasekaran**, "Brugia malayi Asparaginyl-tRNA Synthetase Stimulates Endothelial Cell Proliferation, Vasodilation and Angiogenesis", PLOS ONE, published by PLOS ONE. Vol. 11, Issue 1, pp. 1-12 (2016).