

Dr. Gowri V

List of Publications

1. S. Poompavai, S. V. Gowri Sree, A. Kaaviya priya, 2019, "Electro-thermal Analysis of Breast-tumor Model during Electroporation", IEEE Transactions on Radiation and Plasma Medical Sciences
2. Ramya Ramaswamy, Raja Prabu Ramachandran, V. Gowrisree, "Inactivation of Staphylococcus Aureus using Pulsed Electric Field treatment under treatment time variation", International Journal on Engineering Applications (IREA), Vol. 7, No. 6, ISSN 2281-2881, Nov. 2019.
3. Ramya Ramaswamy, R. Raja Prabu, V. Gowrisree, "Electric field Analysis of Water Electrodes for Noninvasive Pulsed Electric field Applications", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-10, August 2019.
4. Jeya Shree T, Gowri Sree V, Lakshya Mittal, and Raji Sundararajan (2019). The combined effect of aqueous tulasi extract and electrical pulses on the viability of HeLa cells. IETE Journal of Research (TIJR).
DOI: 10.1080/03772063.2019.1642804
5. Jeya Shree Thulasidas, Gowri Sree Varadarajan and Raji Sundararajan (July 2019). Pulsed Electric Field for Enhanced Extraction of Intracellular Bioactive Compounds from Plant Products: An Overview. Novel Approaches in Drug Designing & Development.
DOI: 10.19080/NAPDD.2019.05.555657
6. Ramya Ramaswamy, Raja Prabu Ramachandran, V. Gowrisree, "High Voltage Pulsed Electric Field Application Using Titanium Electrodes for Bacterial Inactivation in Unpurified Water", Japan Journal of Food Engineering, Vol. 20, No. 2, pp. 63 - 70, Jun. 2019.
7. Sundararajan R, Poompavai S, Sree GV, Madhivanan S, Prabakaran S, Ignacio G Camarillo, (2019), "Electro-therapies for sarcomas", J Cancer Prev Curr Res.; 10(5):119–124. DOI: 10.15406/jcpcr.2019.10.00403
8. S. Poompavai, S. Nirmala Devi, V. Gowri Sree, A. Kaaviya priya, 2019, "3D Modelling And Radiofrequency Ablation Of Breast Tumor Using MRI Images", Springer Lecture Notes on Data Engineering and Communications Technologies (ISSN: 2367-4512)
9. Jeya Shree T, Gowri Sree V, Poompavai S, Elisabetta Sieni, Paolo Sgarbossa, Ignacio Camarillo, and Raji Sundararajan (2019). Inhibition of proliferation of HeLa cells by Pulsed Electric Field treated Mentha piperita (mint) extract. IETE Journal of Research (TIJR).

DOI: 10.1080/03772063.2019.1626295

10. Jeya Shree Thulasidas, Gowri Sree Varadarajan and Raji Sundararajan (July 2019). Pulsed Electric Field for Enhanced Extraction of Intracellular Bioactive Compounds from Plant Products: An Overview. *Novel Approaches in Drug Designing & Development*. Volume 5, Issue 2.

DOI: 10.19080/NAPDD.2019.05.555657

11. Rajan Anbarasan, Anandakumar S., Gowri Sree V., Loganathan M., "Effect of Microwave Treatment on Physico-Chemical Quality of Coconut Neera", *Int. J. Pure App. Biosci.* 7 (1): 463-468 (2019), ISSN: 2320 – 7051.

12. Jeya Shree T, Poompavai S, Mahaboob Begum SMF, Gowri Sree V, Hemalatha S, Sieni E, Sundararajan R (Jan 2019) Cancer-Fighting Phytochemicals: Another Look. *Journal of Nanomedicine & Biotherapeutic Discovery*. Volume 9, Issue 1, No: 162.

DOI: 10.4172/2155-983X.1000162

13. Jeya Shree T, Gowri Sree V, and Raji Sundararajan (2018). Enhancement of Bioactive Compounds from Green Grapes Extract using Pulsed Electric Field treatment. *Journal of Cancer Prevention & Current Research*. Volume 9, Issue 5, Pages: 226- 228.

DOI: 10.15406/jcpcr.2018.09.00356

14. S Poompavai, V Gowri Sree, "Dielectric Property Measurement of Breast—Tumor Phantom Model Under Pulsed Electric Field Treatment,". *IEEE Transactions on Radiation and Plasma Medical Sciences*, Volume 2, Issue 6, pp. 608-617, 2018

15. T. Jeya Shree, V. Gowri Sree, S. Priyanka, and Raji Sundararajan, "Antioxidant and anticancer activity of Pulsed Electric Field treated grape extract,". *Journal of Nanomedicine and Biotherapeutic Discovery*, Volume 8, Issue 1, 2018.

16. V Gowri Sree, C Muthuraman, and Raji Sundararajan, "Electro-cisplatin therapy for Estrogen receptor positive breast cancer," *Journal of cancer prevention and current research*, Vol. 7, Issue 4, 2017.

17. Poompavai, V. Gowri Sree, and T.M. Sridhar, "Dielectric properties of breast phantom model, *Journal of basic and applied engineering research*," Vol. 2, Issue 14, pp. 1189-94, 2015.

18. T. Jeya Shree, V. Gowri Sree, and S. Nagaraj, "Effect of Pulsed Electric Field on Lycopene Extraction," *IJCTA*, 9(15), pp. 7345-7350, 2016.

19. Olivia Ramya Chitrangan, V. Gowri Sree, "Electromagnetic and Thermal Analysis of a Synchronous

generator,” International Journal of Scientific & Engineering Research, Volume 5, Issue 4, pp.84-88,

ISSN 2229-5518, 2014.

20. V. Gowri Sree, Gowrishankar S, “Electrical Modeling and Impedance Analysis of Biological Cells,” International Journal of Engineering Research Volume No.3, Issue No.2, pp: 46-50, ISSN:2319-6890, 2014.

21. S. Priya, B. Thilagavathy, V. Gowri Sree, “Modeling of Electroporation and Electric Field Investigation

for a Single Cell Dispersed in Liquid Foods,” Indian Journal of Science and Technology, Vol 7(S7), 104–113, ISSN (Print): 0974-6846, 2014.

22. Gowri Sree V., Udayakumar K., R. Sundararajan, “Electric Field effects on Breast tumor cells,” International Journal of Breast Cancer, Article ID 235926, DOI 10.406/2011/235926 (Indexed in PUB-MED), 2011.

23. V Gowri Sree, K Udayakumar, “Liquid Food Preservation by Pulsed Electric Field using oscillatory Waveforms,” International Journal of Electrical Engineering and Embedded Systems, ISSN:0975-4830, Vol.3, Issue 1, pp.51 57, 2011.

24. Gowri Sree V., Udayakumar K., and Gautam P., “Electrical Field Modeling of E. coli Bacteria,” Asian Journal of Bio-Chemistry, Vol. 2, No. 3, pp. 198-207 (Indexed in SCOPUS), 2007.