Name: Dr.Selvi Subramanian

Designation : Professor Department : Biotechnology

Organization/Institution: PSG college of Technology

Place & Pincode: Coimbatore -641004

Mobile: 9894045449

E-Mail: selvi.bio@psgtech.ac.in

Area of specialization: Plant Biotechnology

- 1. Chellamuthu, M., R. Sanal, and S. Subramanian. "Fatty Acid Desaturases Modulated Octadecanoid Pathway in Sesame". *Journal of Plant Stress Physiology*, Vol. 6, June 2020, pp. 24-29, doi:https://doi.org/10.25081/jpsp.2019.v5.5490.
- 2. Soman J., Hema J., Subramanian S. (2019) Plant Tissue Culture and DNA Delivery Methods. In: Sathishkumar R., Kumar S., Hema J., Baskar V. (eds) Advances in Plant Transgenics: Methods and Applications. Springer, Singapore. https://doi.org/10.1007/978-981-13-9624-3_1,pp 3-22
- 3. Subbarayan S. Subramanian, S., and Senthil Kumar, N.S. (2019) Recombinant Pierisin-5 Induces Apoptosis and Differential Expression of Bcl-2, Bax, and p53 in Human Cancer Cells. DNA AND Cell Biol. 38 (8) 1-13.
- 4. Subbarayan S, Ranjan, J.S, H. Lalhruaitluanga, Devadasan, V, Subramanian, S and Senthil Kumar, N.S (2019) In vitro DNA binding activity and molecular docking reveals pierisin-5 as an anti-proliferative agent against Gastric cancer. J. Biomol. Str. & Dyn. doi.org/10.1080/07391102.2019.1659856.
- 5. Chellamuthu M. Kumaresan, K, Subramanian, S. Muthumanickam, H. (2019) Functional Analysis of Sesame Diacylglycerol Acyltransferase and Phospholipid: Diacylglycerol Acyltransferase Genes Using In Silico and In Vitro Approaches Plant Mol. Biol. Rep. 1-11.
- Sarathbabu S, Marimuthu SK, Ghatak S, Vidyalakshmi S, Guruswami G, Ghosh SK, Subramanian S, Zhang W, Kumar NS. (2018) Induction of Apoptosis by pierisin-6 in HPV positive HeLa and HepG2 Cancer Cells is mediated by the caspase-3 dependent mitochondrial pathway. Anticancer Agents Med Chem. Nov 26. doi: 10.2174/1871520619666181127113848.
- 7. Chellamuthu,M., Sekar, P. and Subramanian,S. (2017) Evaluation of sesame (*Sesamum indicum* L.) germplasm collection of Tamil Nadu for α-linolenic acid,sesamin and sesamol content. Afr. J. Biot. Vol. 16(23), pp. 1308-1313.
- 8. Subramanian, S A. Senthil Nagappan, D.N. Kurup (2016) Impact of Organic Manure and Inorganic Fertiliser on Soil Enzymatic Activity and Microbial Diversity in the States of Tamil Nadu and Madhya Pradesh, India. Malaysian J. Soil Sci. Vol. 20: 147-162.
- 9. Sarathbabu Subbarayan, Satheesh Kumar Marimuthu, Senthil Kumar Nachimuthu, Wenqing Zhang, Selvi Subramanian (2016). Characterization and cytotoxic activity of
- 10. apoptosis-inducing pierisin-5 protein from white cabbage butterfly. International Journal of Biological Macromolecules. Volume 87, Pages 16–27.