

**Validating the potential of *Plectranthus amboinicus*  
against lung cancer - *In silico, in vitro* and  
*in vivo* approaches**

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**Thesis Submitted to the  
Avinashilingam Institute for Home Science and Higher Education for  
Women, Coimbatore – 641 043**

**In Partial Fulfilment of the Requirements for the Degree of  
Doctor of Philosophy in Zoology**

**December 2021**

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**80\_Recommendation**

The outcome of the present study has opened up a number of avenues for future research. Some of them that can be suggested for active research are given below.

- The anticancer activity of the syringic acid fraction can be tested in various cancer cell lines of different tissue origin to know whether the activity is tissue-specific.
- The apoptosis-inducing activity of the syringic acid fraction can be analyzed further for the mechanism involved using other molecular markers of apoptosis.
- The proteomic profile of the cancer cells treated with the syringic acid fraction fraction may be characterized.
- The nanoparticles of the syringic acid fraction can be synthesized and their effect on the various cancer cell lines can be studied.
- The anticancer activity of the syringic acid fraction can be studied on human subjects.