



# Assessing the antimitotic properties of the ethanolic crude extract from mimosa pudica plant using *Allium cepa* Assay Group 2

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Statement of the Problem	Review of Related Literature	Methodology	Data Gathering
What are the bioactive components of the crude extract of Makahiya leaves?	S. Velavan (2015) says that phytochemicals are biologically active, naturally occurring chemical compounds found in plants, which provide health benefits for humans.	Phytochemical analysis is the identification of the possible medicinally active substances in plants.	Studies analyzing the makahiya plant have shown it to contain the phytochemicals alkaloids, flavonoids, saponins and triterpenes. Proving that it has significant anticancer, antioxidant and antimicrobial properties.

Statement of the Problem	Review of Related Literature	Methodology	Data Gathering
What is the toxicity index of the makahiya crude extract?	Dr. Chao W. (2014) states that the brine shrimp lethality bioassay is widely used in the evaluation of toxicity of heavy metals, pesticides, medicines especially natural plant extracts and etc.	Brine shrimp lethality test is a high throughput cytotoxicity test of substances.	The lethality of the different concentrations of pure ethanolic extracts on the cells will be analyzed to determine the most suitable one for biotesting.

Statement of the Problem	Review of Related Literature	Methodology	Data Gathering
What is the mitotic index of mimosa pudica crude extract?	(Bonciu, E., Firbas, P., Fontanetti, Et al (2018) states Allium cepa assay is the process where you screen for genotoxicity of bio products	Allium Cepa Assay is used to assess the efficacy of anti-mitotic substances on onion cells.	The ethanolic crude extract's effect on the cell division of Allium cepa assay will determine if it has significant mitotic properties.

Thank  
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