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Lantana Camara: One Promising Hand for Cancer Patients

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Short Communication

Cancer is a leading cause of death worldwide, nearly 10 million deaths recorded in 2020. The most common death cases Such as breast cancer (685000 deaths), Lung (1.80 million deaths), colon &rectum (916000 deaths), Stomach (769000 deaths) & liver Cancer (83000 deaths). Annually 40000 children develop cancer. Cervical cancer is the most common in 23 countries. [1].

Many factors are responsible to develop cancer such as physical carcinogens like UV radiations, chemical Carcinogens like alcohol, component of tobacco smock & biological carcinogens such as infection from various infecting agent like virus, bacteria & parasites. These factors help in transformation of normal cell in to tumor cell by forming pre-cancerous lesions to a malignant tumor [2].

Cancer Mortality rate can be reduced by detection & treatment. Cancer treatment includes surgery, radiotherapy, chemotherapy, hormonal treatments & Targeted biological therapies but still scientific world and Researchers are taking tremendous efforts to develop different treatment strategies against cancer which low in cost. Researchers focusing on traditional medicine or naturally derived compounds from plants as they are alternative source of drug with less toxic side effect than other cancer treatments.[3]. Naturally derived chemical compound are secondary metabolites obtained from plant such as, Alkaloids, Flavonoids, terpenoids, Phenolic compounds, Proteins, Carbohydrates, quinin, saponin, steroids [5].

Lantana camara is a tropical plant that found in 60 countries, Scientists & researchers all over the world in detailed studied about the Phytochemical & Pharmaceutical properties of *Lantana camara* [4].

The compound Oleanonic acid is triterpenoids isolated from *Lantana camara* was reported for anticancer & antiproliferative activity. Oleanonic acid was screened for anticancer activity against a murine tumor (Ehrlich ascites carcinoma) & three human cancer cell lines such as A375 (malignant skin melanoma), Hep2 (Epidermoid Laryngeal carcinoma) and U937 (lymphoma)[6]. L. camara derived chemical compounds while using as potential anticancer drug, Important to focused on crucial role of medicinal plants in safeguarding patients' safety and effective medicine use [2].

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