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ABSTRACT

During the past few years herbal medicine has gained exponential growth in the field of medicine in all over the world. In comparison to other countries India is the largest producer of herbal medicine. The current review focuses on herbal preparation and plant recently evaluated in the treatment of cancer disease in the world. This paper until focus on different beneficial aspects of herbal medicine as Anti-Cancer.

Keywords: Anticancer, herbal plants, Cancer.

INTRODUCTION

Cancer is a general term applied to a series of malignant disease which may affect many different parts of the body. These diseases are characterized by a rapid and controlled formation of abnormal cells which may mass together to form a growth tumor, or proliferate throughout the body, initiating abnormal growth at other sites. If the process is not arrested, it may progress until it causes the death of the organism. Cancer is commonly encountered in all higher animals and plants also develop growths that resemble cancer.

The main forms of treatment for cancer in human are surgery, radiation and drug (cancer chemotherapeutic agents). Cancer chemotherapeutic agents can often provide temporary relief of symptoms, the prolongation of life, and occasionally cures. In recent years, much effort has been applied to the synthesis of potential anticancer drugs.1

According to WHO, Cancer is a leading cause of death group worldwide & accounted for 7.4 million death (around 13 % of all that) in 2004. The main type of cancer is as follows:

- Lungs (1.3 million death per year)
- Stomach (803,000 Death)
- Colorectal (639000 Death)
- Liver (610,000 Death)
- Breast (519,000 Death)

More than 70% of all cancer death occurred in low and middle income countries that from cancer worldwide are projected to the continue rising with an estimated 11.5 million death in 2030.

Rise Factor for Cancer

- Tobacco use
- Alcohol use
- Dietary factors increasing insufficient fruit and vegetable intake.
- Overweight & obesity physical inactivity chronic infection.
- Environmental & occupational risk including ionizing & Non ionizing Radiation.

Plant materials have been used in the treatment of malignant disease for centuries; a comprehensive survey of the literature describing plant used against Cancer.

Table 1: Herbal Plans Used as Anticancer

<table>
<thead>
<tr>
<th>S.no</th>
<th>Botanical name</th>
<th>Common name</th>
<th>Family</th>
<th>Part Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Acalypha Indica</td>
<td>Indian Copper leaf</td>
<td>Euphorbiaceae</td>
<td>Leaves</td>
</tr>
<tr>
<td>2.</td>
<td>Aerva Lanata</td>
<td>Mountain Knot Grass</td>
<td>Amaranthaceae</td>
<td>Flowering aerial parts</td>
</tr>
<tr>
<td>3.</td>
<td>Agave Americana</td>
<td>Century Plant</td>
<td>Asparagaceae</td>
<td>Leaves</td>
</tr>
<tr>
<td>4.</td>
<td>Albizia Amara</td>
<td>Krishna siris</td>
<td>Mimosaceae</td>
<td>Leaves</td>
</tr>
<tr>
<td>5.</td>
<td>Allium Sativum</td>
<td>Garlic</td>
<td>Amaryllidaceae</td>
<td>Bulb</td>
</tr>
<tr>
<td>6.</td>
<td>Andrographis Paniculata</td>
<td>Kalmegh</td>
<td>Acanthaceae</td>
<td>Leaves</td>
</tr>
<tr>
<td>7.</td>
<td>Barleria Grandiflora</td>
<td>Grand Barleria</td>
<td>Acanthaceae</td>
<td>Leaves</td>
</tr>
<tr>
<td>8.</td>
<td>Butea Monosperma</td>
<td>Palas Tree</td>
<td>Fabaceae</td>
<td>Flowers</td>
</tr>
</tbody>
</table>
Anticancer activity Clitioria ternatea, Trichosanthes Tricuspidata Leaves Extract in Benzo (a) pyrene induced mice, International journal of pharmacognosy and phytochemical research 4(4); 2012, 452-461.

CONCLUSION

From this study, it is clear that the medicinal plant play a vital role against cancer disease. Various herbal plant extract have significant anti cancer activity our review result shows that above mentioned medicinal plant can used to be treat cancer disease. A variety of botanical products have been reported to possess that anti-cancer activity. Hence the review study is concluded that the above mentioned herbal drug possess anti-cancer activity and it has been proved by different animal models which gives many work to develop the future trials.

REFERENCES

and Gloriosa superba against 7, 12-dimethylbenz (a) anthracene (DMBA) induced mammary tumors in rats”. Journal of current pharmac research 6(1), 2015, 1690-1698.


