1. **The Prospects of Croton membranaceus Mull. Arg. (Euphorbiaceae) and Momordica charantia L. in cancer treatment and or prevention.**

**Global Use of Natural Products in Cancer Patient Management**

**Background**: Cancer is a disease associated with abnormal growth of cells in the body. WHO says it is the second leading cause of death worldwide. It is estimated that 9.6 million deaths in 2018 were due to cancer. Moreover, about 1 in 6 deaths globally, is due to cancer. In addition, approximately 70% of deaths from cancer occur in low- and middle-income countries such as Ghana. Also, the Daily Graphic in March 2018 reported over 65,000 new cancer incident cases yearly in Ghana.

**Aim**: This study seeks to ascertain the prospects of *Croton membranaceus (C. membranaceus)* and *Momordica charantia* (*M. charantia*) in the treatment of Cancer.

**Methodology**: Ethanolic extracts of *C. membranaceus* and *M. charantia* will be used on cancer T. cells to ascertain the preventive and or treatment activity of each plant. Recruitment of patients will be done in collaboration with Sweden Ghana Medical Centre. Patients monitoring will be by teams from Centre for Plant Medicine Research (CPMR), Mampong- Akuapem and Sweden Ghana Medical Centre, Accra.

**Results**: Prevention of cancer cells growth by *C. membranaceus* and *M. charantia* will be ascertained. The antioxidant activity and the effectiveness of each plant in the treatment of Cancer will be established

**Analysis:** A capsule formulated from *C. membranaceus*, being used for the management of Benign Prostatic Hyperplasia at CPMR has yielded positive results. Larixol, an isolate from this same plant has a similar chemical structure as Manool; a known anti-cancer agent. A comparative study could be done to compare the activities of Larixol, Manool and the whole plant extract. *M. charantia* is known to have cancer treatment activities. Different parts of the plant could be compared for its cancer treatment and or prevention activities.

**Conclusions**: The cancer prevention and treatment activities of *C. membranaceus* and *M. charantia* would be ascertained.

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