Molecular mechanism of anti-inflammatory & anti- allergic phytochemicals: A Methodical Review

Mr. Utkalendu Suvendusekhar Samantaray
MITS School of Biotechnology, Bhubaneswar, India

Abstract

The molecular properties of Indian medicinal plants have shown promising results to reduce the inflammation and allergic infections in human beings as per many clinical studies. Recently, the common priorities have been developed to discover traditional therapeutics having significant and pure molecular activities to be useful against the anti-inflammatory and anti-allergic agents to reduce the percentage of infection. In recent years, secondary plant metabolites (phytochemicals), previously with unknown pharmacological activities, have been extensively investigated as a source of medicinal agents. Studies have shown that many of the antioxidant compounds present in Pteridophytes possess *anti-inflammatory*, *antiatherosclerotic*, *antitumor*, *antimutagenic*, *anticarcinogenic*, *antibacterial*, and antiviral activities. The ingestion of natural antioxidants has been associated with reduced risks of cancer, cardiovascular disease, diabetes, and other diseases associated with ageing, allergic and inflammation. From this experiment it has been showed that these plants have phytochemical compounds which help to cure diseases. The results seem to suggest that *Pteris* and *Dryopteris* can be a source of powerful anti- inflammatory activity with potential impact on public health, particularly on hypertensive patients.

Biography:

Mr. Utkalendu Suvendusekhar Samantaray has been completed his master's in biotechnology from MITS School of biotechnology affiliated under Utkal university. He has worked on many research papers including biochemistry, anti-oxidant development, plant growth microbes, nanotechnology, etc. His major field of research includes phytochemicals, probiotics, cancer genomics, in-vitro production of therapeutics etc.

15th International Conference on Allergy and Clinical Immunology, August 13-14, 2020 (Webinar)

Abstract Citation:

Mr. Utkalendu Suvendusekhar Samantaray, Molecular mechanism of anti-inflammatory & anti- allergic phytochemicals: A Methodical Review, Allergy 2020, 15Th International Conference on Allergy and Clinical Immunology, August 13- 14, 2020 (Webinar) (https://allergy.immunologyconferences.com/)