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Potential applications of oleanane triterpenoid sapogenins of Luffa cylindrica in human health and nutrition

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Triterpenoids are the most ubiquitous non-steroidal secondary metabolities in terrestrial and marine flora and fauna occurring in the free form as well as in the forms of ether, ester and glycosides. The diverse structural types of triterpenoids with useful biological activities, identification, biosynthesis for feed industry increases interest in triterpenoids. The widely occurring plant Luffa cylindrica was investigated for active triterpenoid sapogenins. The triterpenoid sapogenins were isolated by solvent extraction followed by chromatography and were defined by newer spectroscopic methods. These triterpenoid sapogenins from L.C were isolated and characterized. Their antibacterial, antifungal, immunomodulatory and anticancer properties will be discussed.

Biography

Saraswati Garai is an assistant professor at the Indian Institute of Chemical Biology, India. Her experience includes various programs, contributions and participation in different countries for diverse fields of study. Her research interests reflect in her wide range of publications in various national and international journals.

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