

BREADFRUIT (BUAH SUKUN) AS NUTRACEUTICAL

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Breadfruit has potential for food and nutrition security and sustainable production in the tropics especially in Caribbean and ASEAN countries but it is under-utilised and commercial production is limited. It is rich source of nutrients and used as replacement for wheat and possess medicinal properties hence it has potential to be sold as nutraceutical.

Over 130 phyto-compounds especially flavonoides and polypheols are identified in various parts of breadfruit plant. Nutritional compositions includes protein, carbohydrate, fat, calcium, phosphorus, K, iron, niacin, thiamine and vitamin C. Keeping above information in consideration nuratceutical product of soft gel capsules for breadfruit powder extract can be prepared and characterize for its marker compounds and antioxidant potential. It can be used as main source of antioxidant and will have application in treatment of oxidative stress caused by diabetes, inflammation, cancer and many such diseases. It can also be replacement for wheat flour, Gluten free, GMO free without trans-fat,

Biography

Dr. Mukesh Singh Sikarwar is currently working as Senior lecturer in Faculty of Pharmacy, AIMST University, Malaysia. He has served as organizing secretory in Falling Walls Lab Malaysia 2016 and 2017 hosted at AIMST University. He was invited as Keynote speaker and Co- Chair 2nd Global Summit on Herbals & Natural Remedies October 17-19, 2016 Kuala Lumpur, Malaysia. He was invited as plenary speaker at University of West Indies and participation was fully sponsored by organizers. Dr. Sikarwar selected as finalist of Falling Walls young innovator of the year 2015 at Berlin, Germany, and participation was fully sponsored by falling walls foundation Germany and its partners. He was selected to present research in Innovation challenge at Yayasan Inovasi Malaysia, MOSTI. He has developed MOOC course titled "Breadfruit nutritional and medicinal values" over the platform of www.openlearning.com

His current area of research is herbal antioxidants, antidiabetics and antihyperlipidemics, novel drug delivery in herbal drugs, formulation and evaluation of herbal drugs and food safety. He has more than 11 year of experience in mentoring students in Pharmacognosy and chemistry subjects. He has published 58 research and review papers in various peer reviewed internationals and national journals and also serving as reviewer for many international journals. He has presented 29 research papers in various national and international conferences. He has preapred MOOC course on breadfruit. He is a life member of APTI, member of Asian Council of Science Editors and registered as pharmacist with M. P. State Pharmacy Council.

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