

# BIOCHEMICAL EVALUATION AND SCIENTIFIC VALIDATION STUDIES OF AN HERBAL NUTRACEUTICAL (IN PRESS)


**SM** S. Manikandaselvi **AS** A. Sudha **VV** V. Vadivel **CR** C. David Raj **CP** C. Prabu **PB** P. Brindha

Open Access

Publisher Website [↗](#)

Google Scholar [↗](#)

 Cite

 Share

13 May 2021

Journal Article | Published by [National Research Tomsk Polytechnic University](#) in [Resource-Efficient Technologies](#)  
No. 1 <https://doi.org/10.18799/24056537/2021/1/285>

## Abstract

The search for pioneering nutraceuticals from plants is genuine and crucial. Based on the literature review as per Ayurvedic texts, four common plants *Capparis spinosa* L. (flower buds), *Caesalpinia bonducella* L.(seeds), *Luffa acutangula* L.(fruits) and *Cassia occidentalis* L. (aerial parts) were selected to develop nutraceuticals and were standardized. Based on the nutraceutical and pharmacological efficacies of the individual plant drugs selected, three different herbal nutraceutical formulations were prepared. Nutraceuticals before and after lyophilization were subjected to standardization studies. Nutraceutical formulation 3 developed was found to be best due to its high nutraceutical