

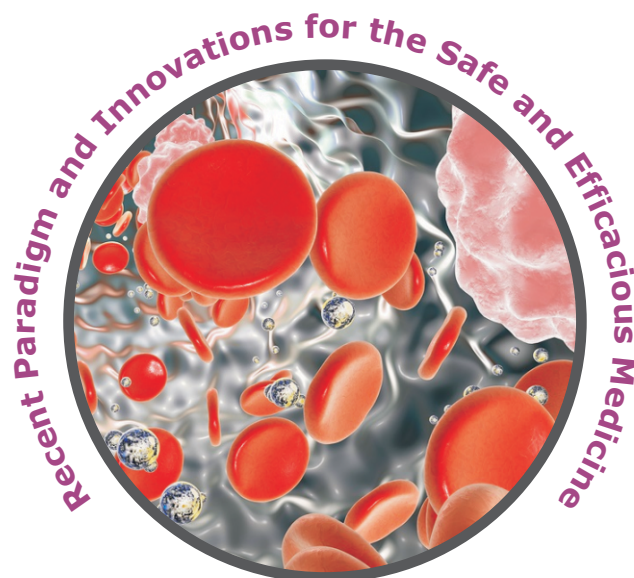


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complexation with Dextromethorphan HBr. From this study it was concluded that complexation of Dextromethorphan HBr. with Amberlite IRP 476 gives the satisfactory drug loading in 1:3 ratio. After 27.78% of solvation coating the particle size of complex increases with no significant change in dissolution period and 20% of EC coating gives not more than 60% of drug release in 12 hours, results in extension of drug release from the micropellets. Various ion exchange resin were screened for complexation with Dextromethorphan HB with resin Amberlite IRP 476 was evaluated for efficiency of taste masking and drug release imparted in different ratios of Drug: Resin.

PC-31**FORMULATION DEVELOPMENT AND EVALUATION OF NUTRACEUTICAL SUPPLEMENT FOR CANCER PATIENTS****Dipali B. Bhure*, Surbhi T. walke, Ajay G. Pise**

Dadasaheb Balpande College of Pharmacy, Besa, Nagpur

ABSTRACT

Micronutrient supplement seems to have a positive impact on cancer surgery. The purpose of this study is to examine cancer in relation to oxidative stress, physical activity and nutrition. Nutraceutical herbs like spirulina powder, aloe leaves, green tea leaves, turmeric rhizomes, ashwagandha roots play vital role in cancer patients. Safe and effective nutraceutical formulation for cancer patients of combined anticancerous herbs, nutraceutical herbs and spices, Flavors and thickener's in the form of instant soup powder was successfully prepared. On basis of cell line study conducted in SRB assay, it was concluded that nutraceutical formulation is inactive on human breast cancer cell line and not been shown anti-proliferative activity on MCF-7 human breast carcinoma cell line.

PC-32**FORMULATION DEVELOPMENT AND EVALUATION OF NUTRACEUTICAL FORMULATION CONTAINING MADHUCA LONGIFOLIA FOR MALNUTRITION****Divya D. Harinkhede*, Monika R. Rambhad, Ajay G. Pise****ABSTRACT**

A nutraceutical are the food or part of food that provide health benefit including prevention and treatment of diseases. According to WHO, malnutrition is a major problem in rural areas and millions of peoples survive with malnutrition in more than 67 countries. *Madhuca longifolia* is tropical tree belongs to family *Sapotaceae*. It provides protein, carbohydrates to the malnourished patients. It is found that *madhuca longifolia* has beneficial effects on health specifically in the treatment of malnutrition. A stable nutraceutical formulation containing *madhuca longifolia* is prepared.

PC-33**FORMULATION AND CHARACTERIZATION OF NATEGLINIDE CRYSTALLO CO-AGGLOMERATES****Vaishnav C. Dhote*, Lalit G. Rathi**

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ABSTRACT

Crystallo-co-agglomeration (CCA) is agglomeration processes that transform crystalline drugs directly into compacted spherical form for improving flowability, solubility and compactability by size enlargement of low or high dose, poorly compressible drugs and combination of drugs with or without diluents. Nateglinide is an anti-hyperglycemic drug with poor dissolution and flow properties. The aim of study is to prepare CCA of Nateglinide with the objectives to develop pharmaceutically equivalent, stable, and quality improved agglomerate of Nateglinide with enhanced wettability, solubility, dissolution rate, flow properties and mechanical properties using hydrophilic polymers. CCA of Nateglinide were prepared using three solvent system i.e good solvent, bad solvent and bridging solvent comprising of methanol-water-dichloromethane. Agglomeration was carried out using different concentrations of PEG 6000, Polyvinyl