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Development and evaluation of digestive enzyme formulations

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Enzymes are proteins that facilitate chemical reactions in living organisms. In fact, they are required for every single chemical action that takes place in our body. All of our cells, organs, bones, muscles, and tissues are run by enzymes. Digestive enzyme deficiency is major concern in older age group. Cooking process inactivates almost all enzymes at 118-129°C, so causes high stress to endocrine system. Enlargement of pancreas & pituitary gland is major concern in America. Pepsin is a proteolytic enzyme which breaks the protein into the small polypeptide chain. Pepsin causes breakdown of protein having aromatic ring. Agar beads of pepsin have shown good spherical shape, % entrapment efficiency and % drug release. So to decrease the stress level on the endocrine system it is important to take enzyme supplementation daily. Present article is presentation of development of such formulations and is an attempt to make health care cost effective by indirect way as supplementation of enzyme leads to long & healthy life.

Biography

Chaudhari Nilesh B is postgraduate in pharmaceuticals from Padmashree Dr. D.Y. Patil Institute of Pharmaceutical Sciences and Research, Pune. He completed graduation in the year of 2011 from NDMVP's College of Pharmacy, Nashik. He is winner of intercollegiate poster presentation competition organized by University of Pune.

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