SRDHS
SOCIETY FOR RESEARCH DEVELOPMENT IN HEALTH SCIENCE

Society for Research Development in Health Sciences (RDHS),
Sponsored

2nd International Conference

Organized By
Ambe Durga Education Society's
Dadasaheb Balpande College of Pharmacy
(Degree and Diploma),
Near Swami Samarth Dham Mandir, Besa,
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Theme:
"Invigorating Research in Pharmaceuticals: Reasonable Industrial Approach"

Venue: Hotel RE-GEN-TA, CENTRAL Nagpur. Jagnade Square, Nandanvan, Nagpur, Maharashtra, India.

Souvenir and Abstract Book

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FORMULATION AND DEVELOPMENT OF NUTRACEUTICAL REJUVENATOR FOR SPORT PERSONS

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ABSTRACT

In the current research, Nutracuetical Rejuvenator for sport person was formulating. The objective behind this research is to understand role of Nutraceutical as Rejuvenator for Sport Persons. From the research it shows that mostly anabolic steroids are used and it is detected in di-actyl phalate (DOP) test, which is harmful to human body. The formulation and evaluation has been done with the following parameter like, Standardization of active compounds in Nutraceutical formulation FTIR, Sensory Evaluation, Estimation of Nutritional Value, Heavy Metal Content, Microbial Assessment, Stability Stud, Biological Study, Animal study. For this research Nutraceutical Herbs like roots of Safed musli, roots of Ashwagandha, Spirulina powder was which play vital role in boost the energy and strength.for the animal study forced swim test was used the result indicate that nutraceutical powder formulation has anti-fatigue activity. In the microbial study the result shows that extract of soup powder was not superior to the standard but show good sustainability property against S. bacillus from the evaluation parameter it is relieved that the F 4 formulation that superior that the other formulation. From the parameter it is concluded that Nutraceutical powder formulation is superior to the marketed nutraceutical formulation.

Keywords Nutracuetical Herbs, Soup Powder, sports rejuvenator

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Nanostructured Lipid Carriers (NLCs): Recent Advances In Drug Delivery and Targeting

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ABSTRACT

Nanostructured lipid carrier (NLC) is the second-generation drug carrier system having solid matrix at room temperature. This carrier system is made up of physiological, biodegradable, biocompatible lipid materials and surfactants. It also contains a blend of solid and liquid lipids. It shows superior characteristics over other lipid formulations. This review describes the NLC with respect to structure, methods of preparation, advantages, applications with respect to specific drug delivery over first generation lipid nanocarrier.The review also provides an insight into the potential of NLC as site-specific delivery systems and the therapeutic applications explored via various routes of administration. NLC overcome the drawbacks of the other nanocarrier system (liposomes, niosomes,nanoparticles and solid lipid nanoparticles). NLCs increases the bioavailability, enhanced drug loading capacity, drug release modulation flexibility and improved stability. NLCs physical and chemical stability avoids expulsion of drug during storage and also the controlled release from this carrier is possible.

Keywords Nanostructured lipid carrier, liposomes, niosomes, controlled release