

# A Review Article Niosomal Drug Delivery for Oral Route

**Miss. Bharti Jalindar Gore, Miss. Payal Kedarnath Raut, Dr. L. D. Hingane**

Aditya Pharmacy College, Beed, Maharashtra, India

**Abstract:** *Niosomes are artificial vesicles with potential technological advantages. They are non-ionic surfactant vesicles. As efficient drug delivery systems with a wide range of uses, niosomes have the same potential benefits as phospholipid vesicles (liposomes), including the capacity to hold both water- and lipid-soluble pharmaceutical molecules. Niosomes can also be thought of as more cost-effective, chemically stable, and occasionally physically stable alternatives to liposomes. Simple preparation techniques and commonly used surfactants in pharmaceutical technology can be employed to create niosomes. Numerous studies have covered niosome physicochemical characteristics and their uses as drug delivery vehicles. This review article focuses on the concept of niosomes, advantages and disadvantages, composition, method of preparation, factors influencing the niosomal formulation and characterization, application of niosomes. Niosomes can be utilized in the treatment of several diseases like Psoriasis, leishmaniasis, cancer, migraine, Parkinson etc. Niosomes can be used as diagnostic aid. Niosomal technology is widely used in cosmetics. Still researchers have to focus a lot on the commercial utility of niosomes in drug delivery.*

**Keywords:** Niosomes, surfactant, vesicles