

# Silvia Morel

## BIO AND EDUCATION

1985: Degree in Pharmacy, University of Torino;

1985-1986: Advanced course in "Preparazioni Topiche Farmaceutiche e Cosmetiche", University of Torino;

1990: PhD in "Chimica del farmaco", research topic "Sistemi terapeutici colloidali", University of Torino;

1986-1987 and 1990-1991: Research fellowships in the "Ricerca Sanitaria Finalizzata della Regione Piemonte" project, University of Torino;

1991-1993: Post-doctoral, research topic "*Vettorizzazione di peptidi di interesse farmaceutico mediante sistemi terapeutici colloidali*", University of Torino;

1985: Member of Order of Pharmacists Professional

## UNIVERSITY CAREER

2002-	Adjunct Professor, University of Piemonte Orientale
1998-2002	Researcher, University of Piemonte Orientale
1993-1998	Researcher, University of Torino

## MAIN FIELDS OF INTEREST

1. Biocompatible colloidal systems
2. Semi-solid preparations for pharmaceutical and cosmetic use
3. Italian and European legislation on medicinal and healthy products

## CURRENT ISSUES OF RESEARCH

### 1. Biocompatible colloidal systems

Preparation of biocompatible colloidal systems, suitable for the incorporation of active species and functional compounds aimed at allowing a modified release of the encapsulated molecules and at creating a protective effect with respect to the environment. Further, the physicochemical properties of such systems are characterized in view of the assessment of their stability in presence or absence of bioactive species.

### 2. Italian and European legislation on medicinal and health products

The legal aspects of the production and dispensing of the drug for human and veterinary use are evaluated, as well as the European regulations issued in the area of medicine and healthy products.

## TOP FIVE PAPERS

Sapino S., Carlotti M.E., Cavalli R., Ugazio E., Berlier G., Gastaldi L., Morel S. Photochemical and antioxidant properties of gamma-oryzanol in beta-cyclodextrin-based nanosponges. *J Incl Phenom Macrocycl Chem*, 2013; 75: 69-76.

Bolis V, Busco C, Ciarletta M, Distasi C, Erriquez J, Fenoglio I, Livraghi S, Morel S. Hydrophilic/hydrophobic features of TiO<sub>2</sub> nanoparticles as a function of crystal phase, surface area and coating, in relation to their potential toxicity in peripheral nervous system. *Journal of Colloid and Interface Science*, 2012; 369: 28-39.

Pellizzaro C., Coradini D., Morel S., Ugazio E., Gasco M.R., Daidone M.G. Cholesteryl butyrate in solid lipid nanospheres as an alternative approach for butyric acid delivery, *Anticancer Research* 1999; 19: 3921-3926.

Gasco M.R., Morel S., Trotta M., Viano E. Doxorubicine englobed in polybutylcianoacrilate nanocapsules: behaviour in vitro and in vivo. *Pharm. Acta Helvetiae*, 1991; 66: 47-49.

Trotta M., Gasco M.R., Morel S. Release of drugs from oil-water microemulsion. *J. Controlled Release*, 1989; 10: 237-243.

## FURTHER INFORMATION

Member of ADRITELF
Member of SCI