



## Spray-drying technique to prepare innovative nanoparticulated formulations for drug administration: a brief overview

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Polymeric nanoparticle systems (nanocapsules and nanospheres) present potential applications as drug delivery systems. Nevertheless, their full applications have not been exploited due to their limited shelf life when stored in aqueous medium. Drying polymeric nanoparticles using spray-drying represents a promising platform to improve the physicochemical stability of formulations and/or to control the release of hydrophilic and lipophilic drugs. This article presents a brief overview of the most recent and ongoing research in the use of

spray-drying process to prepare and/or to dry polymeric nanoparticles formulations intended for drug administration.

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