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Quitina y quitosano: materiales del pasado para el presente y el futuro

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### Abstract

The present work shows, in a clear and simple way, industrial production and common applications of two ancient natural polymers on earth but very current due to its application possibilities: chitin and chitosan. Here a simple sample of the wide possible range are described, being shown these due to the relevance that these may have in the development of vital areas in the country like: agriculture (seeds protection, fertilizers and fungicides controlled release, etc.), waste water treatment (flocculants, coagulant, demetalization agents, dyes removing agents, pesticides, etc.) medicine (glucosamine production, healing creams, genetic therapy, etc.), cosmetics (slimming, moisturizing agent, preservative germicide in soaps, shampoos, etc.) and biosensors (detection of pathogenic agents in foods, toxic species in residual waters, etc.).

### Keywords

chitin, chitosan, biomedical applications,

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