

The latest research published in the journal Archives of Environmental Protection examines the effects of silver nanoparticles (AgNPs) synthesized by the Bacillus subtilis strain on mammalian cells. The findings indicate that biogenic AgNPs exhibit strong antioxidant and cytotoxic properties against human skin fibroblasts (NHDF). Moreover, the presence of a biosurfactant produced by B. subtilis enhances the stability of these nanoparticles and their biological activity.

The study suggests that bio-AgNPs could serve as potential natural antioxidants, important for protecting health against degenerative diseases related to oxidative stress, such as cancer. At the same time, it emphasizes the need for further research into their safety and potential medical applications.

Read the article entitled **Eco-geomorphic modelling response of tidal marshes to sea level rise and changes in suspended sediment supply** by Beñat Egidazu-de la Parte, Stefano Balbi, Ferdinando Villa, Diego Bengochea, Andrea Celeste Curcio, Cristina Galván, Carlos J. González, José A. Juanes, Bárbara Ondiviela, Gloria Peralta, Araceli Puente, Elvira Ramos, Concepción N. Rodríguez-Rojo, Marta Pascual.

The full article is available at:

<https://www.sciencedirect.com/science/article/pii/S0048969724083220>

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