

PROCESS TO OBTAIN SILVER NANOPARTICLES, SILVER NANOPARTICLES AND THEIR USES

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Introduction

Recent data published by the World Health Organization (WHO) shows that every year 8, 8 million people died from cancer around the world.

Therefore, the development of new technologies more efficient, cheaper and environmentally-friendly for the treatment of this disease it is currently a very relevant goal. This invention is about a new methodology of synthesis of silver nanoparticles, in observance of the green chemistry and by using seaweed extracts as reducing agent of silver ions.

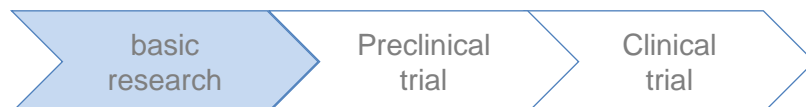
Purposes

The new proposal synthesis attends to the Green Chemistry Principles. In other words, it is neither use high temperatures, nor organic solvents. In addition, it is not require a lot of time in preparation, what decrease the synthesis cost when compared with traditional methods, besides it not be damage to the environment. The silver nanoparticles obtained through this new synthesis methodology, of low-cost and environmentally-friendly, are not toxic to normal cells, even though they are very efficient against tumoral ones, including cells that are multidrug resistant.

Application and Target Markets

- Pharmaceutical Industry

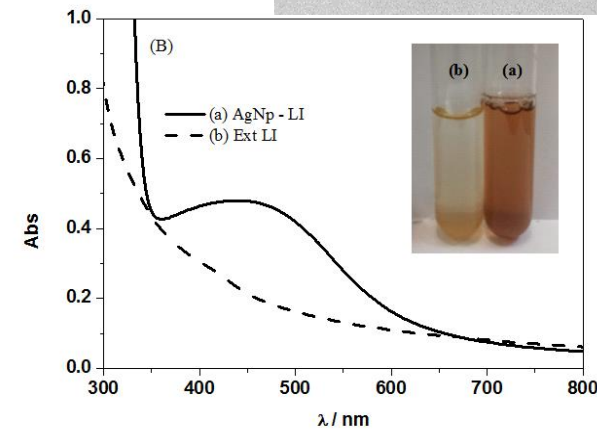
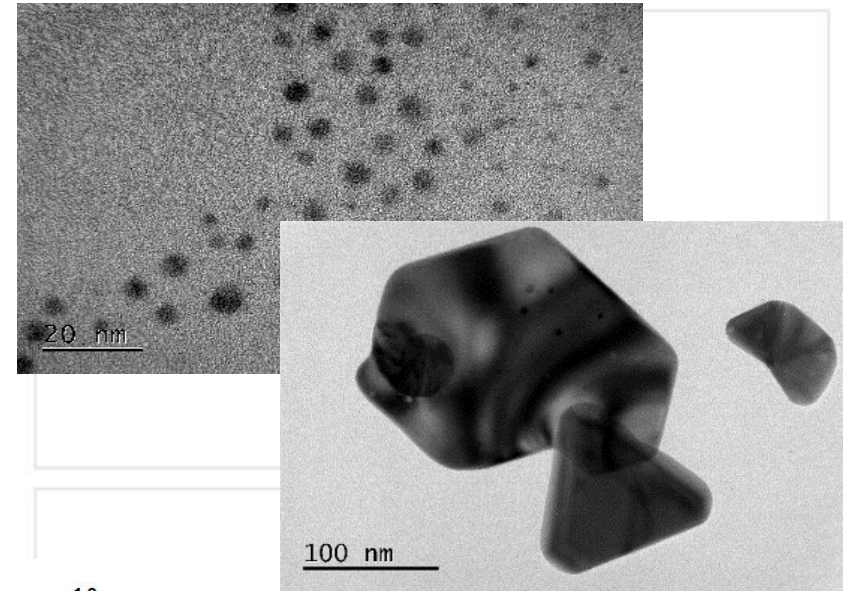
Development Stage



Field: Health and Care

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