

Polymeric metal nanocomposites and methods of synthesis thereof (Patented Technology).

Technology Details:

Impaired wound healing causes increased pain, suffering, and decreased mobility in affected animals and human beings. The wounds may be apt to infection depending on the depth. There are many treatments which promote healing, including topical antiseptics and antibiotics. However, the emergence of antibiotic resistant bacteria underlines the importance of finding more effective agents with shorter time of application and novel mechanisms of action. There is a pressing need of alternatives to conventional therapy, having anti-inflammatory/proliferative/antibacterial properties. Nanoformulation aided delivery using biodegradable scaffolds mimicking structurally analogous to extracellular matrix are the novel substitute for tissue repair with minimal side effects and accelerated healing. We have developed novel and safe nanoformulations having antibacterial/anti-inflammatory/re-epithelization properties. Our experiences in this area opened up new opportunities to explore the nanoformulations to provide the safe and accelerated healing materials.

We are seeking collaborations with the industry to develop topical sprays/topical cream/lotion/ for suitable large scale production and its further evaluation.

Licensing terms

- Nature of License: **Non-exclusive**
- Duration of the License: **10 years**
- License fee:
 - Territory of India: **₹ 2.0 lakh + applicable taxes with 5 % royalty on net-invoice value + applicable taxes**
 - Territory of Overseas: **USD 8,000 (or an equivalent amount in INR)+ applicable taxes**
- Training support: Up to 3 Persons nominated by the licensee shall be trained for the period up to 5 days. The cost of training to be imparted by the institute is included in the licensing fee. The expenses for boarding and lodging and travel of the licensee personnel shall be borne by the licensee.

- All statutory compliances related to production, sales, transportation, storage and performance of the product in the field to be fulfilled by the licensee.
- 10% concession can be given to a company that is buying another formulations in one go on total License Fee.