









**CONCLUSION:**

In this present study the synthesis of lanthanum nanoparticles was synthesized by biological method using fenugreek seed extract which acts as a reducing agent to reduce lanthanum metal to nanosize particles. Lanthanum nanoparticle has shown moderate antibacterial activity against specific clinical pathogens, antioxidant activity and anticancer activity against osteosarcoma cell line. This proves that the plant mediated nanoparticles have the potential to be used in various fields such as pharmaceuticals, therapeutics and other commercial products.

**There is no conflict of interest from the authors.**

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