

# Cordy gold nanoparticles (Cor-AuNPs)

November 15, 2022

**In news**— Cor-AuNPs, the outcome of a collaborative experiment by scientists from four Indian institutions, has earned an international patent from Germany.

## **About Cor-AuNPs-**

- **These nanoparticles, derived from the synthesis of the extracts of *Cordyceps militaris* and gold salts, could make drug delivery in the human body faster and surer.**
- ***Cordyceps militaris* is a high value parasitic fungus**, lab-grown at the Department of Biotechnology's Technology Incubation Centre (TIC) in Bodoland University, one of the collaborators of the patented research work.
- **Gold salts are ionic chemical compounds of gold generally used in medicine.**
- Penetration in the cells is more when the drug particles are smaller. ***Cordyceps militaris*, called super mushroom because of its tremendous medicinal properties**, adds bioactive components to the synthesis of gold nanoparticles for better penetration.
- The collaborative study has validated its [the super mushroom's] medicinal and nutraceutical properties... **Biosynthesised nanogold particles indicate a new application of nanoparticles** in the development of therapeutic drugs which can be delivered as ointments, tablets, capsules, and in other forms.