

FEATURED TECHNOLOGY:

Novel Gold-Silver Nano-Catalyst for Oxidation of Carbon Monoxide and Process for Synthesis

INVENTOR(S):

Arvind Vyas Harinath
Ramya Vedaiyan
Chandra Banerjee
Jag Sankar

STATUS:

Patent Pending

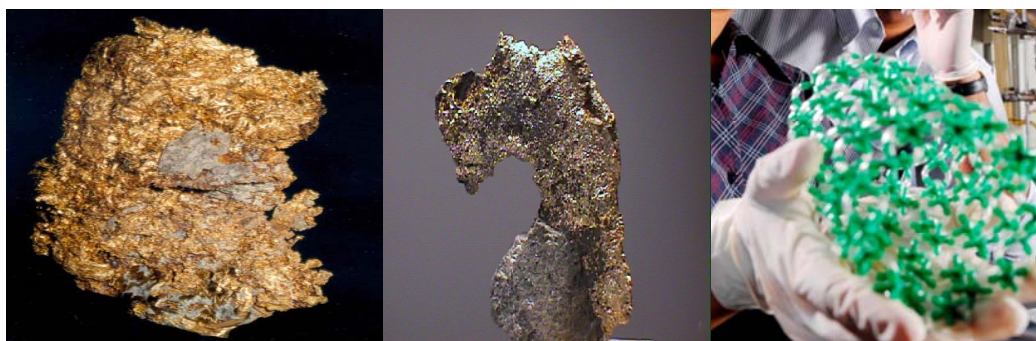
TECHNOLOGY DESCRIPTION:

Over the years there has been a surge to reduce carbon emissions and even more importantly now, due to the changing climate on earth. The prevalent emission that pollutes the environment is carbon monoxide. It is a poisonous gas discharged mostly by cars and cigarettes. Both the cigarette and automobile industries have tremendous interest in developing means to eliminate or reduce its concentration.

Researchers at A&T have developed a new procedure for manufacturing Gold-Silver catalysts used for removal of carbon monoxide. The procedure is a novel process for the breakdown of carbon-monoxide into carbon dioxide. Researchers demonstrate that bimetallic catalyst composed of gold and silver, supported on alumina can oxidize carbon monoxide to carbon dioxide at room temperature.

END USE/APPLICATIONS:

Tobacco Industry, Health Industry, Automobile Industry



MISSION:

The Office of Outreach and Technology Transfer (OTT) connects industrial/commercial partners with NC A&T's expertise, new products and opportunities for development while providing technology-driven business and economic benefits to the regional and state economies. The OTT is entrusted with the university's Intellectual Property portfolio to build a pipeline of novel products and concepts with commercial value.

Licensing Contact:

M. Doug Speight, M.B.A.
Assistant Vice Chancellor of
Outreach and Economic
Development

Email: mspeight@ncat.edu
Phone: (336)334-7995