

**Prof. Krishna Deo Prasad Nigam becomes the FIRST CHEMICAL ENGINEER
from India to get the prestigious HUMBOLDT RESEARCH AWARD in a
ceremony held on March 15, 2013**

The award is granted in recognition of a researcher's entire achievements to date to academics whose fundamental discoveries, new theories, or insights have had a significant impact on their own discipline and who are expected to continue producing cutting-edge achievements in the future.

This award was instituted initially in the year 1972 for USA scientist only latter in 1982, it was open world wide. The first award came to India in the year 1994 i.e. after 12 years of its inception. Prof. K.D.P.Nigam is the first chemical engineer from India since the inception of this award, though in all natural sciences, Prof. Nigam is the 15th researcher from India to have this recognition.

Prof. Nigam is very actively involved in the research activities for energy conservation and development of cleaner and greener technology for environmental safety. He has developed an innovative design of heat exchanger called as 'Coiled Flow Inverter' based on novel concept of flow inversion, which has potential for multi-disciplinary applications in the process industry such as, inline mixer, chemical reactors, separation process, and mass transfer applications. Prof. Nigam is also reaching several promising possibilities to develop a cleaner and greener technology for trickle bed reactors. His research group has developed a novel reactor configuration for the countercurrent operation of trickle bed reactor. He is also working on extraction of hazardous heavy metals from industrial waste using an ecofriendly chelation technology.

