

- ❖ **Name & Designation** : Mr. Partha Pratim Saha, SRF.
- ❖ **Address** : Dept. of Physiology, University of Calcutta, Kolkata.
- ❖ **Name of the International Conference/ Seminar/Symposium/ Workshop** : 10th Asia Pacific Conference on Animal Plant & Microbial Toxins (IST-APC)-2014.
- ❖ **Title of the abstract accepted** : Anti-arthritis potential and toxicity studies of nanogold conjugated snake venom toxin NKCT1 in animal Models.
- ❖ **Date & Venue** : 14-18th June 2014. Changsha City, China.
- ❖ **Money sanctioned** : Rs 85,077/-
- ❖ **Money reimbursed** : Rs 85,077/-

Participation Report

10th IST Asia Pacific congress on Animal, Plant and Microbial Toxins, organised by Hunan normal university and others, was held on June 14th – 18th, 2014 in Changsha, China. Students from different countries like Mexico, Australia, South Korea, China were came there to present their work as oral or poster presentation. From our Lab of toxinology & Pharmacodynamics, Kolkata, me Partha Pratim Saha presented a paper (poster) on “**Anti-arthritis potential and toxicity studies of nanogold conjugated snake venom toxin NKCT1 in animal models**” in IST-APC 2014. Our work was focused on the toxicity, which was the main drawback of the toxins in drug development process. By using nanotechnology we conjugated gold nanoparticle to a toxin molecule NKCT1, which successfully reduced the toxicity profile of that toxin and subsequently increased its bioactivity against experimental arthritis. This work was highly appreciated in IST-APC 2014 as it introduced a new concept of nanotechnology in the area of venom and toxins and enlightens the possibility of a new step towards drug development from bioactive venom and toxins. Beside these I have visited the Proteomics laboratory of Hunan Normal University under Prof. Songping Liang, a toxinologist and the organiser of IST-APC 2014. As a whole, the appreciation of my work, awareness about the world scenario of research facilities, have brought a great opportunity to me to explore the development of Indian research with venoms and toxins, in an international floor. That inspired me to devote myself in research with venom and toxins in future.