

Proceeding of National Conference on  
Nanomaterials and its Applications  
(NCNA17)

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The inaugural talk of the conference is delivered by Prof. Amarjyoti Choudhury, the renowned scientist of this part of the world. He talked about the basic ideas of nanotechnology, how the idea of having something beyond imagination at the nano-regime was developed. He also asked the students and all the participants to raise questions within, to have a good research; the more you ask the more you develop. Towards the end of his talk he discussed the importance of simulation work in nanotechnology.

After the refreshment, the second invited talk was of Prof. P. Deb from Tezpur University. He delivered the talk on magnetic nanoparticles. The next invited talk was delivered by Dr. G.A. Ahmed, from Tezpur University and he talked about light scattering from various sizes of nanoparticles. The last invited talk before the lunch break was from Dr. S. Thota, IIT Guwahati. He also described basics and applications of magnetic nanoparticles. After the lunch session, Dr. S.K. Das from Tezpur University very beautifully described basics of nanotechnology and mainly interacted with the undergraduate students. This was the last invited talk on Day 1 i.e., 20<sup>th</sup> September 2017. After this we began the oral presentations from various participants. One of the presenter, talked about graphene-TiO<sub>2</sub> and CNT-TiO<sub>2</sub> and compared their different properties. One of the participant presented Raman spectra of leaf chlorophyll while one of the presenter discussed about conducting polymer and its applications. One participant compared tumor and normal tissue using some theoretical model and plots. One of the presenter talked about biodegradable polymer synthesized using bamboo. These were the few of the many talks presented by the participants.

Day 2 i.e., 21<sup>st</sup> Sep 2017, started with the invited talk delivered by Dr. A. Puzari from NIT Nagaland while second invited talk of the day was delivered by Dr. D. Talukdar, co founder of Cryonano labs Kolkata. Dr. Talukdar talked about different characterizing instruments and the basics of those instruments. These invited talks were followed by lunch break and then after the lunch, we had some interesting oral presentations.

After the oral presentations, we had an interacting session among the participants and the available resource persons. The participants also gave some positive feedbacks to the organizer for the arrangements. At last the conference was successfully concluded with the vote of thanks delivered by Dr. M.N. Borah, HOD of Dept of Physics, D.R. College.

Convener  
Dr. Pawan Chetri  
Dept of Physics, Debraj Roy College