

## ***PROCEEDINGS OF THE SEMINAR***

The second autonomous seminar was organised by the department of botany on 24<sup>th</sup> February 2018 at 12.30 PM in career counselling hall.

Meeting was presided by Prof. Saroj Kumar Mohanty, Principal, Salipur Autonomous College. The resource person was Dr. L.K. Bose, Principal scientist, ICAR-NRRI, Cuttack. He delivered on the topic gene transfer from alien species (wild rice) to cultivated rice through biotechnology. Mr. M. Panda introduced the guest. Prof. Saroj Kumar Mohanty, Principal, advocated the students regarding manipulation of genes and formation of transgenic plants, and encouraged for further research work.

Dr. Geeta Rath, HOD of Botany, gave a little idea about the climatic changes due to deforestation, ozone layer depletion, industrialisation and population explosion. To meet the food demand of 130 crores of people in india, scientists are trying to manipulate the genes in cultivated plants, especially in rice to eliminate malnutrition and starvation.

Dr. L.K. Bose, principal scientist, NRRI, cuttack, explained the useful traits of Oryza species, alien gene introgression process, alien gene transfer and varietal development, enhancing the yield potential of rice, molecular characterisation using GISH, research priorities and future outlook, identifying and introgressing QTLs/yield enhancing loci from wild species and producing haploid from species crosses in a very simple and explanatory manner.

Interactive discussions amongst students was quite appreciable. Academic bursar Dr. Sangeeta Mishra was in the meeting during discussion. Meeting ended with Vote of thanks by Mrs. J.B.Parija.

AM  
24.02.18

