

Guest Lecture by Prof. M. Janaki Ramaiah

The Department of Zoology, K.B.N. College has organized a **Guest Lecture** on **10 - 11 - 2021** at **02: 00 PM**. Prof. M. Janaki Ramaiah, Dept. of Biotechnology, **KL (Deemed to be) University**, Guntur delivered the Guest lecture on '**Cancer: The Genetic and Epigenetic aspects**'. Sir introduced his topic with the Central Dogma of Life i.e Gene expression. **He highlighted the role of Non sense RNA in controlling the Sense RNA. Important tumor suppressor genes has been enumerated - P53, PTEN, P21, P16 and P15.**

Important oncogenes and their corresponding cell lines also has been emphasised - **Cyclin D1 (Colon, Pancreas), Cyclin E (Liver), MITF (Melanoma)** and others. Prof. has clearly articulated how Epigenetic control the genetics - **DNA Methylation and Histone Modifications** which contributes to Oncogenesis. The crux point of the Guest lecture was that Cancer is the resultant of combinational activity of Genetic and Epigenetic aspects, the same was clearly assessed with suitable examples.



