



Report on
Popular lecture
by
Dr. Manmohan Lal Satnami
On the topic

Optical properties and Spectroscopy of Nanomaterials: An Application for Designing Nanosensors

On 18 April 2024, a popular lecture was delivered by **Dr. Manmohan Lal Satnami**, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur, on the topic “**Optical properties and Spectroscopy of Nanomaterials: An Application for Designing Nanosensors**”. **Dr. Nagendra Kumar Chandrawanshi**, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, welcomed Dr. Manmohan Lal Satnami with a sapling. He thanked the faculties of Biotechnology department for inviting him to this event and after that he started his lecture. He told the students that “**not only lecturers or professors have great ideas or novel thoughts about research, anybody can have the ideas.**” He also told that we should “**avoid fear of doing something new**” by giving an example of J.J. Thompson and his son. He gave brief knowledge about facilities available in the chemistry department and also gave an overview of his lecture. He started his lecture with **UV spectrophotometer**, a very important technique, according to him. He discussed about making our own colorimeter at very low cost by using LDR (Light Depended Resistor) and said that every biotechnology student should replicate this instrument. He also said that “**if we have a plan and deep knowledge, we can make anything.**” He also shared his and his students experiences and work done on **different types of Nanomaterials** and their importance in research. He gave brief idea about **fluorescence spectroscopy** and **FRET** (Forster Resonance Energy Transfer). He advised the students to **be prepared for critical review while publishing their papers**. He concluded his lecture by thanking Prof. Keshav Kant Sahu, Dr. Nagendra Kumar Chandrawanshi, and his students, those who

worked with him. Prof. Keshav Kant Sahu presented a certificate of gratitude and appreciation to Dr. Manmohan Lal Satnami. Vote of thanks was given by Dr. Nagendra Kumar Chandrawanshi.

Glimpses of the lecture



(Keshav Kant Sahu)