

Seminar

Institute for Plasma Research

Title : Structural and Vibrational Investigations of Some Neurotransmitter Molecules

Speaker: Dr. Omkant Jha

I. Sc., B. H. U., Varanasi, U.P.

Date : 16th September 2019 (Monday)

Time : 3.30 PM.

Venue : Seminar Hall, IPR

Abstract:

The human body is primarily composed of biomolecules. Biomolecules are organic molecules especially macromolecules like proteins, vitamins, nucleic acids, neurotransmitters and carbohydrates in living organisms. All living forms bacteria, algae, plant and animals are made of similar macromolecules that are responsible for life. Biomolecules consists mainly of carbon and hydrogen with nitrogen, oxygen, sulphur, and phosphorus. Biomolecules are very large molecules of many atoms that are covalently bound together. Sometimes other elements are also integrated but are much less common. All the living systems can grow, sustain and reproduce themselves. Different chemical changes occurring in living bodies, fall in the domain of biochemistry. There are various molecules, which participate in biochemical reactions of living bodies. These molecules interact with each other under optimum conditions and form different products. Hence, the biomolecules are organic compounds, which form the basis to sustain life and are responsible for their growth, maintenance and ability to reproduce.
