



Date: 27th May, 2022

Title of the event: One-Day Workshop-cum-Seminar on Clinical Significance and Detection of Glycosylated Hemoglobin and Hepatitis B and C viruses.

Name of the Department: Biochemistry

Organizing Committee: Department of Biochemistry, IQAC, Asutosh College

Summary of the event:

With the aim of knowledge transfer, the Department of Biochemistry organized very informative seminar lectures on clinical significance of Glycosylated Hemoglobin and hepatitis B and C; whereby the effects of hypoglycemic/hyperglycemic states of diabetic individuals have been relevantly explained by Medical expert, Dr. Sujoy Majumdar and Scientist, Dr. Maitree Bhattacharya with different case studies. The workshop highlighted on the direct estimation of HbA1c from the blood of diabetic patients conducted by Dr. Chandra Chaudhuri. She also demonstrated on the identification of Hepatitis B and C viruses from blood of patients by Rapid Test Cassette methods. Dr. Shreyasi Palit, Assistant Professor of Sarsuna College, Kolkata who is also an alumnus of Asutosh College was invited as another resource person. She delivered a very good lecture on different types of cancer and its detection by Immunohistochemistry. UG Students of Semester 6 and Semester 4 participated in the seminar from different colleges. PG students from other Universities also participated in both the workshop and seminar. Teachers from UG Biochemistry Departments of other colleges of Calcutta University also participated in it. Even glycosylated Hb estimations were also estimated for faculties by a free bedside camp from Accurex.

Benefits/outcome of the initiative for the students:

In this project under knowledge transfer the students could participate in an encouraging session on Diabetes and its effects on individuals. They could enrich themselves on the concept of Glycosylated Hemoglobin both from the point of view of a doctor and a scientist. Teachers got highly enlightened after getting exposed to workshop on blood HbA1c profile and rapid tests for estimation of viruses in infected samples. All the faculties who participated in the event could even get their HbA1c estimated by a free camping from company, Accurex



by HbA1c estimating glucometer. This helped faculties to analyze their blood glucose concentrations over a period of three months which is usually an expensive test in routine clinical laboratories and is a part of the syllabus of UG Biochemistry practical also.



