**Report on National Seminar on** **“Molecular Basis of Cancer & Liver Diseases”** organized by the Department of Biochemistry at ALLAMA IQBAL AUDITORIUM on 24-12-2021 at 10 a.m.

The seminar began with the Quranic invocation by Moolay Mohammed Adnan of II M.Sc., Biochemistry. The Registration of the participants started at 9.30 a.m and the **inaugural Session** started at 10.00 a.m. **Dr. A. Liyakath Ali,** Head, Department of Biochemistry, welcomed the gathering.

**Dr. S. Raja Mohamed Kamil, Vice**-**Principal,** Islamiah College (Autonomous), Vaniyambadi delivered the presidential address and Dr. H. Abdul Jaffar Ali, Head, Department of Biotechnology, felicitated on the occasion.

Dr. A. Gokulakrishnan, Assistant professor of Biochemistry introduced the resource person Dr. P Ashok Kumar, Associate professor, School of Lie sciences, B. S. Abdur Rahman Crescent Institute of science & technology, Chennai.

Dr. M. P. Ashar Waheed, Assistant professor of Biochemistry introduced the resource person

Dr. P. Madan Kumar, Scientist, CSIR-CFTRI, Mysuru.

**Technical Session-I** began by 11:30 am, Dr. P Ashok Kumar gave a lecture on the topic “***Sphingosine-1- phosphate lyase down regulation promotes colon carcinogenesis through STAT3 activated micro RNAs.”*** He gave statistics about colon cancer and its prevalence among Indian population. He emphasized on the various strategies employed in proving the role of sphingosine-1-phostae lyase in colon carcinogenesis. He explained how he developed knockout mice for his experiment. His presentation covered various techniques like SDS-PAGE, Blotting immunofluorescence etc.

After tea break **Technical Session-II** began at 12.30 pm where **Dr. P. Madan Kumar,** addressed the students on ***“Recent Research Trends in Non-Alcoholic Fatty Liver Disease”.*** He explained the difference between alcoholic fatty liver and non alcoholic fatty liver and the role of diet in preventing the development of fatty liver. He talked about the role of stellate cells and their regulations in sinusoidal circulation and their role in liver inflammation. The session came to an end at 1.30 pm.

After the lunch at 2.30 pm poster presentation was held in Hall No L04 and L05, Oral presentation at Seminar Hall. **17 Candidates presented paper and 22 candidates presented poster** from our college & neighboring Colleges.

Paper presentations were adjudicated by our two resource persons of the morning and poster presentation by **Dr. H. Abdul Jaffar Ali,** Head, Department of Biotechnology, Islamiah College (Autonomous).

At 4.45 pm the valedictory session was conducted where **Dr. H. Abdul Jaffar Ali,** Head, Department of Biotechnology delivered the Valedictory address. Prizes were distributed to the winners of both oral and poster presentation.

Islamiah Women’s Arts & Science College, Vaniyambadi 47

Marudhar kesari Jain College for women, Vaniyambadi 27

KMG College of Arts and science, Gudiyatham 05

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**Total 79**

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Department of Biochemistry,Islamiah College 113

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**Total 192**

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Paper presented by the students : 17

Poster presented by the students : 22

Convener

**Dr. A. Liyakath Ali,**

Head, Department of Biochemistry