

Title: Forensic Science Fundamentals & Investigations

Date: 10/06/2021

Resource Person: Mr. V.G. Nayak

Report

One day National conference on "Forensic Science Fundamentals & Investigations" on 10th June 2021, was organized by the Department of Biochemistry, Maharani Lakshmi Ammanni College for Women, Autonomous, Bangalore, on virtual mode. The purpose of the conference was to provide an insight into the advancement of technologies leading to the emergence of new investigation methods that has revolutionized forensic science. We received an overwhelming response with 436 participants attending the conference, 250 participants through G Meet and rest through You Tube live streaming. Participants were from Gujarat, Rajasthan, Tamilnadu, Maharashtra, Kerala and Karnataka.

The conference was inaugurated by welcoming all the participants and invited speakers to the virtual conference by Ms Vagdhevi and Ms Priya, PG Biochemistry students. The conference started with virtual lighting of lamp and invocation song sung by Ms Aishwarya to get the blessing of almighty. A formal welcome address was delivered by Dr. Shashikala A, Principal, mLAC, a brief introduction about the Department of Biochemistry was presented by Dr. Kamala A, Associate professor, HOD, Department of Biochemistry and the inaugural address was delivered by Dr. Renuka Srihari, COE, mLAC. Mr. V.G. Nayak (Rtd) Deputy Director, Forensic Science Laboratory, Bengaluru, Chief Guest, delivered the keynote address on the theme of the conference and highlighted on the nature of crimes that had evolved over a period and reports clamed in various crime categories from physical to virtual crime. The inaugural session finally ended with vote of thanks proposed by Mrs.Vani, Associate professor, Department of Biochemistry.

The first technical session began at 10.45 am with a talk on "Forensic Science in Criminal investigation" by Mr. V. G. Nayak. He started with an overview of forensic crime investigation and gave detailed information regarding the revolutionary development of advanced technologies and its application in forensic investigation to resolve the criminal cases. His talk was very informative. He also clarified the queries of the students regarding educational qualification required to enter forensic laboratories, job opportunities etc with utmost enthusiasm.

The second technical session started at 12.30 pm with lecture on "Role of DNA profiling in crime investigations" by Mr. L. Purushothama, Assistant Director, DNA Centre, Forensic Science Laboratory, Bengaluru. His talk was focused on DNA profiling as biological evidence in forensic investigation and also highlighted on importance of proper sample procurement from the crime scenes and techniques used for processing and DNA profiling of the sample.

The post lunch technical session started with a lecture on "Blood and Bones: Biology at Play in Crime Scenes" by Dr. Renu Sharma, Freelancer, Forensic Sciences lab, Bengaluru, at 2.20pm. The lecture gave an insight on the detection and confirmation test of blood stains in crime scenes and further forensic investigation of blood samples in lab to check for its origin or source. The speaker also spoke on bone forensic anthropology, bone source and age analysis.

The lecture session was followed by E-poster presentation by PG and UG student participants. Poster presentation was carried out in five parallel rooms and about 30 participants presented their posters. The conference was successfully concluded with a valedictory session by conference report presentation by Dr Suneetha P, PG coordinator, Department of Biochemistry. The best poster award winners list in UG and PG category was announced, followed by Vote of thanks by Dr. Kamala A, HOD, Department of Biochemistry.

We have received an excellent feedback from the conference and poster presentation participants.

The abstract compendium of 30 posters will be published in International Journal of Fundamental and Applied Sciences.