

Report on Hands-on Training Workshop on HPLC

Title: *Practical Insights into HPLC: A Hands-on Training Workshop*

Dates: May 5th & 6th, 2025

Venue: Biochemistry Department Lab, 3rd Floor, Science Block

Organised by: Department of Biochemistry, School of Allied Health Sciences, REVA University, Bengaluru

Overview:

The Department of Biochemistry, School of Allied Health Sciences, REVA University successfully conducted a Two-Day Hands-on Training Workshop on High-Performance Liquid Chromatography (HPLC) on May 5th and 6th, 2025. The workshop was aimed at providing comprehensive practical exposure to HPLC principles, operations, and applications, a critical analytical tool in life sciences, pharmaceuticals, food safety, and environmental research.

Participants:

A total of 19 participants attended the workshop, including students, research scholars, and faculty members from various academic institutions and disciplines.

Key Sessions:

- Introduction to HPLC: Principles and Applications
- Sample Preparation and Injection Techniques
- Method Development and Optimization
- Troubleshooting and Data Analysis
- Live Demonstration and Individual Hands-on Practice

Resource Persons:

The sessions were led by:

- **Dr. Ramanjaneyulu Golla**, Assistant Professor & Organising Secretary
- **Mr. Shivakumar A.P.**, Aragen Life Sciences, Pvt. Ltd, Bangalore.
- **Mr. Hema Sunder P.S.**, Aragen Life Sciences, Pvt. Ltd, Bangalore.

All resource persons provided expert guidance, hands-on supervision, and real-time clarification during both theory and lab components.

Outcomes:

Participants gained hands-on experience in HPLC operations, including method setup, sample injection, and data interpretation. The practical component ensured confidence in handling real samples and understanding chromatographic parameters.

Feedback & Participation Certificate:

Participants were invited to share their feedback through a Google Form. The responses reflected high satisfaction with the quality of instruction, lab infrastructure, and relevance of the content. Certificates of Participation were issued to all attendees.

Conclusion:

The workshop achieved its objective of enhancing participants' skills and knowledge in chromatographic analysis. The Department of Biochemistry extends its gratitude to the university leadership, organizing committee, and all participants for their enthusiastic involvement in making the event a success.

