

**E0017**

**Achieving Successful Discovery Through Effective Lab Management.** M. Rabiyyathul Thanuja, J. Jabarullahan, Madurai Kamaraj Univ., Madurai - 625 021, India.

A scientist's creative and intuitive potential leads to the success of any research project, and his or her management abilities, which play a major role at the background, like a shadow business partner. Due to the lack of administrative training during their careers, most scientists seek assistance from lab managers to administer the non-science responsibilities. A manager's responsibilities often include procurement of lab supplies and instruments and sometimes recruitment. The manager helps lower expenditures and improves time management, making the research process more efficient.

Early 2005, we initiated a study to accumulate information regarding various aspects of lab management including cost and time to create a hypothetical model for variable cost analysis. This study will enable managers to find efficient procedures and consistent results. We have limited our studies to the selected biological labs. Materials and method sections from recent publications were collected to identify the reagents, costs, etc., and tabulated the data. The data was used to design non-redundant hypothetical experimental model and variable cost analysis. We will be discussing our protocol and the results will encourage managers and young scientists to operate cost effective labs in both university and industry settings