

Sri G.V.G Visalakshi College for Women (Autonomous),  
Udumalpet.

Department of Chemistry

**Report on GUEST LECTURE**

Name of Speaker : Dr. P. Lalitha, Assistant Professor - SG  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore.

Topic : Stereochemistry

Date : 30.08.2017

Venue : Conference Hall.

Participants : I, II and III B.Sc Chemistry Students

Dr. P. Lalitha initiated her lecture session with overview of terminologies in stereochemistry and gave emphasis on its importance and applications. The session was made interactive by thought provoking questions posed by the resource person to the student audience, for which convincing answers were given by the student audience. Later speaker has narrated her version of answer. The captivated way of narration of answers by speaker has created an excitement among the students.

The session went on by addressing the various areas like 1. Racemisation 2. Resolution. 3. Assymmetric synthesis. 4. Chirality. 5. Projection formula. 6. E-Z and R-S Nomenclature 7. D and L configuration and conformational isomers 8. Optical activity of organic compounds. In addition to the above discussion she further explained on the applications of stereochemistry in drug synthesis. She concluded the session by presenting a video show casting the influence of structural and stereo chemical changes in drug designing.

The speaker motivated the students to join research and explore innovative aspects in medicinal chemistry. She also suggested the students to choose synthetic organic chemistry as their research field as it would give them lot of carrier options in Rand Ds and Pharma labs. The lecture has proven to be very inspiring and informative for the students.