

# The Future is OPEN



## CATALYTIC ASYMMETRIC SYNTHESIS



Catalytic asymmetric synthesis is the synthesis of a compound that favors the formation of a specific enantiomer or diastereomer via catalytic synthetic methods. Enantioselective synthesis is a key process in modern chemistry and is particularly important in the field of pharmaceuticals, as the different enantiomers or diastereomers of a molecule often have different biological activity.

*Tharmalingam Punniyamurthy*  
Indian Institute of Technology Guwahati

