



**PHYTOCHEMICAL AND MOLECULAR DATA AS A  
MAJOR EVIDENCE FOR BIOSYSTEMATICS  
RESEARCH.**

*INTEGRATING PLANT CHEMISTRY AND GENETICS FOR  
BIODIVERSITY STUDIES*

**PRESENTED BY: PAYEL MAHATO**

**2<sup>ND</sup> SEM 1<sup>ST</sup> Year**

**YEAR-2023-24**

**Roll- SH23-55**

# INTRODUCTION TO BIOSYSTEMATICS

- **DEFINITION:** Biosystematics also known as “The study of biodiversity and its origins”. In a broader sense, it's a science through which organisms are discovered, identified, named, and classified with their diversity, phylogeny, spatial and geographical distributions.
- **IMPORTANCE:** Biosystematics is a synthetic branch an experimental taxonomy which provides data on various adaptations, and evolutionary dynamics of populations and species.



# ACKNOWLEDGEMENT

I would like to convey my heartfelt gratitude to my supervisor Dr. Madhushri Das Datta, Assistant Professor and HoD, Department of Botany for her tremendous support and assistance in the completion of this presentation and giving me the opportunity to work on the project entitled **'PHYTOCHEMISTRY AND MOLECULAR DATA : A MAJOR EVIDENCE FOR BIOSYSTEMATIC RESEARCH.'** I am grateful to the teachers of the Department of Botany for their cooperation. I appreciate the help provided by Dr. Soma Ghosh, Principal, HMMCW. I am thankful to my family and friends for their kind support and encouragement.

*Madhushri Das*  
23/07/24