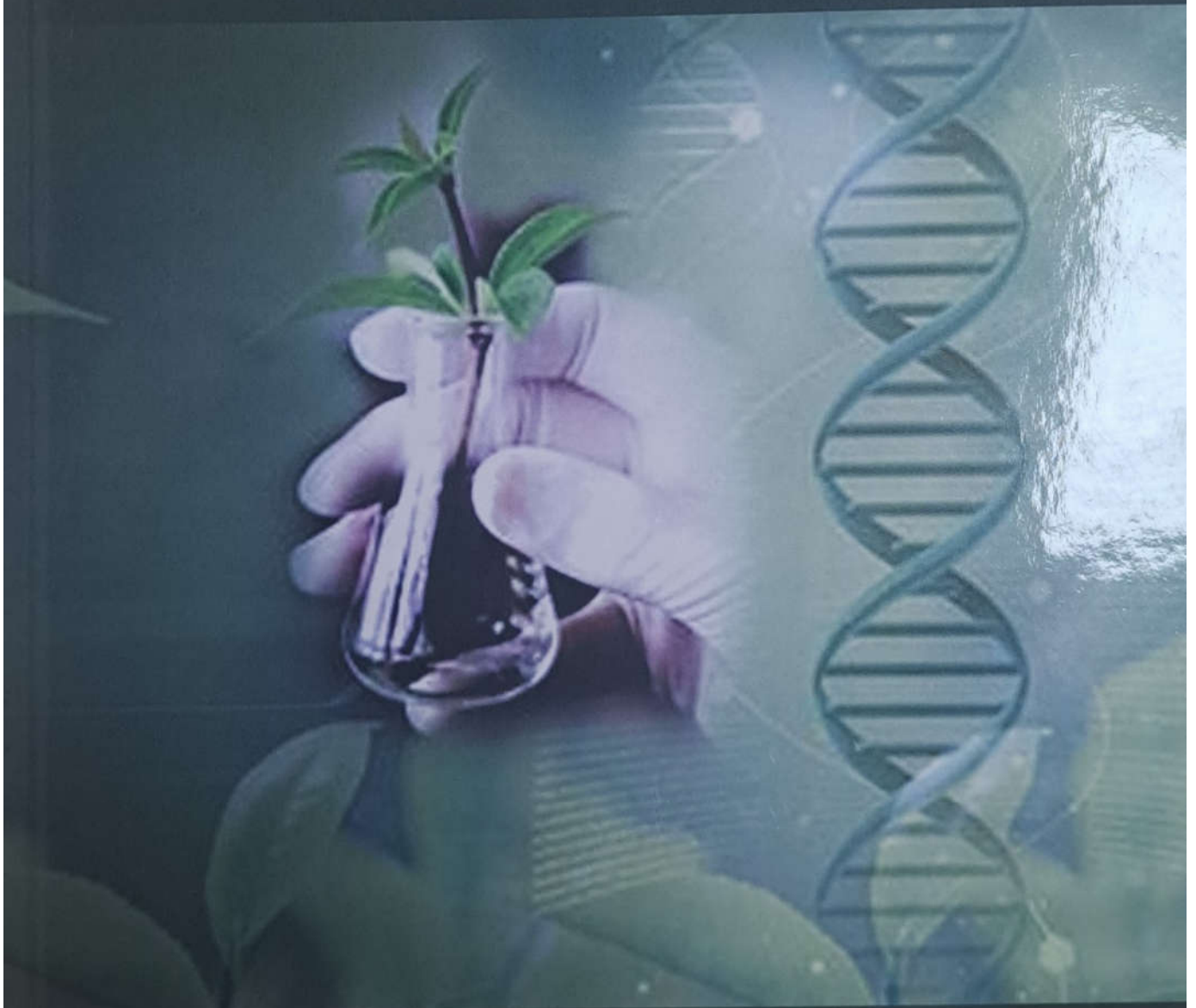


INTRODUCTION TO AGRICULTURAL BIOCHEMISTRY



Dr. Faria Fatima
Dr. Arshya Hashim
Dr. Sumaiya Anees

Introduction to Agricultural Biochemistry

**Dr. Faria Fatima
Dr. Arshya Hashim
Dr. Sumaiya Anees**



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CHAPTER-4
PLANT GROWTH REGULATORS -
PHYSIOLOGICAL ROLE AND
AGRICULTURAL USES

Syed Khalida Izhar, Shareen Fatima Rizvi, Amina Sahab,
Saba Siddiqui and Uzma Afaq*

Department of Biosciences, Integral University, Lucknow,
UP-226026, India

*Corresponding author: Uzma Afaq

Email: uzmaafaq89@gmail.com

Introduction

Chemical compounds known as plant growth regulators regulate plant growth and development. These substances help plants grow and thrive. They are also called plant growth hormones or phytohormones. Plant hormones are natural substances that the plant makes on its own or that scientists make in a lab. They have a big effect on plant growth, development, and movement, among other things. Plant growth regulators are usually made at the tips of stems and roots, where they are then sent to other parts of the plant. Aside from these external requirements, plants produce their own chemicals to signal, regulate, and govern plant growth. These substances are known as plant growth regulators or plant growth hormones. Most plant growth regulators are made at the tips of stems and roots, where they are then sent to other parts of the plant. Plant growth regulators, or PGRs, are either naturally occurring or man-made compounds that