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Ms. Kavita Kansotia, did her B.Sc. (Ag.) from Sri Karan Narendra Agriculture University, Jobner, Jaipur (Rajasthan) in 2020 and completed her M.Sc. (Ag.) in Plant Pathology from the same university in 2022. Currently she is pursuing her Ph.D. degree in Plant Pathology at Sri Karan Narendra Agriculture University, Jobner, Jaipur (Rajasthan) and started her research work on "Activation of defense mechanism in Pearl millet through Nanoparticles and SAR inducers against Pyricularia grisea, causing blast disease and its management". She has also qualified ASRB-NET in 2023. She has published few research papers, review papers, book chapters, abstract and popular articles. She also participated in several National and International conferences, trainings and workshop.



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PREFACE

Welcome to the captivating world of **Botany and plant science!** Plants are not only the foundation of life on Earth but also a constant source of wonder and fascination for scientists and nature enthusiasts alike. "Botany and Plant Science" aims to provide a comprehensive exploration of the remarkable diversity and complexity of plant life, from the tiniest mosses to towering trees, and everything in between.

In this book, we delve into the fundamental principles and cutting-edge research that underpin our understanding of plants. From their basic structure and functions to their evolutionary history and ecological significance, each chapter offers a glimpse into the fascinating realm of botany.

Plants play a critical role in shaping our planet's ecosystems and sustaining life in myriad ways. They provide oxygen, food, shelter, and countless other resources for both humans and wildlife. Moreover, plants are at the forefront of addressing some of the most pressing global challenges, including climate change, food security, and biodiversity conservation.

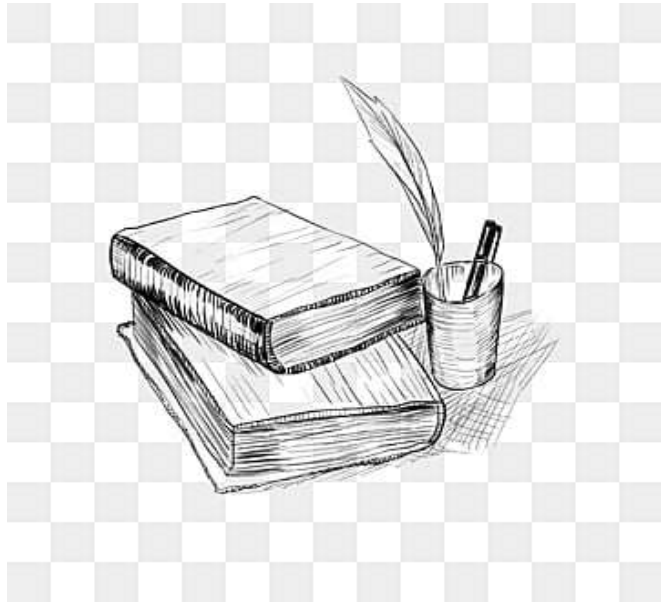
"Botany and Plant Science" is designed to appeal to a wide audience, from students and educators to researchers and nature enthusiasts. Whether you're a seasoned botanist seeking to expand your knowledge or a curious beginner eager to learn more about the natural world, this book offers something for everyone.

Throughout these pages, you'll find a wealth of information presented in a clear and accessible manner, accompanied by stunning illustrations and thought-provoking examples. Our goal is not only to inform but also to inspire a deeper appreciation for the incredible diversity and importance of plants.

As you embark on this journey through the intricate world of botany and plant science, I encourage you to approach each topic with curiosity and an open mind. Let us marvel at the wonders of plant life together and gain a greater understanding of the vital role that plants play in shaping our world.

Happy reading!

Dedicated to My Beloved Parents



Editors 

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