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**MODERN AGRICULTURE:
INNOVATIONS AND SUSTAINABILITY
FOR A RESILIENT FUTURE**

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PREFACE

The agricultural sector stands at a critical juncture, facing numerous challenges posed by climate change, emerging pests and diseases, soil degradation, and the need for sustainable farming practices. In response to these pressing issues, the **Two-Day National Conference on ‘Modern Agriculture: Innovations and Sustainability for a Resilient Future’**, organized by the **Department of Plant Protection, Ch. Charan Singh University, Meerut**, on **03-04 December 2024**, provided a platform for researchers, academicians, policymakers, and industry experts to deliberate on innovative strategies for ensuring agricultural resilience and sustainability.

This conference served as a dynamic forum to foster collaboration and knowledge exchange on various aspects of **plant pathology, entomology, plant breeding, biotechnology, soil health, and technological advancements in agriculture**. The diverse range of research papers and presentations showcased cutting-edge developments, novel approaches, and best practices aimed at improving crop protection, productivity, and environmental sustainability.

The proceedings of this conference compile valuable contributions from distinguished scholars and practitioners, reflecting the evolving landscape of modern agriculture. We hope that these collective insights will serve as a resource for future research and policymaking, driving sustainable solutions to the challenges faced by the agricultural community. We extend our sincere gratitude to all the participants, keynote speakers, authors, reviewers, and organizing committee members for their invaluable contributions. Special thanks to our co-organizers and sponsors for their unwavering support in making this conference a success.

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