

*Posters*

**AGRICULTURE FACING CLIMATE CHANGE: CHALLENGES, OPPORTUNITIES, AND ADAPTATION MEASURES IN ALGERIA**

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“Agriculture facing Climate Change: Challenges, Opportunities, and Adaptation Measures in Algeria” provides a comprehensive examination of the specific impacts of climate change on agriculture in the Algerian context. We will explore the challenges that Algerian agriculture is facing, such as changes in precipitation patterns, temperature increases, water scarcity, and soil degradation due to salinization and erosion processes, as well as desertification. Simultaneously, we will explore potential opportunities for more resilient agricultural practices, such as crop rotation and precision farming technologies. Additionally, we will analyze specific adaptation measures, including crop diversification, improved irrigation practices, agroforestry, soil conservation techniques, climate-resilient crop varieties, water harvesting and storage, integrated pest management, and capacity building and awareness. These measures are vital for enhancing the sustainability of the agricultural sector and mitigating climate-related risks. Overall, this presentation provides a contextual insight and practical solutions to support Algerian agriculture in thriving amid a changing climate environment.