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THE TENTH ANNIVERSARY OF THE REPUBLIC OF TÜRKİYE



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CYPRUS SCIENCE
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1st International Hybrid Conference

ROLE OF CLIMATE CHANGE ON WATER RESOURCES MANAGEMENT FOR A SUSTAINABLE FUTURE (ICCW2024)

February 29 - March 1, 2024

e-mail: iccw2024@aydin.edu.tr
<https://www.iccw2024.aydin.edu.tr>

Theme & Scope

- Water scarcity has incrementally exacerbated in many parts of the world due to climate changes compounded by population growth, overexploitation of freshwater resources, and a lack of proper management. This upsurge has sparked worldwide interest in understanding the potential impacts of climate change on water resources. Climate change is often entwined with alterations in both water quantity and quality, aggravating the fast-growing water crisis. In envisioning a sustainable future, the capability of adapting to climate change and ensuring the sustainable management of water resources and urban planning, reflecting the urgent need for resilience and responsible stewardship in a world where water scarcity and unpredictability are increasingly prevalent are among the important aspects to consider. Investments in resilient infrastructure, such as flood defences and improved irrigation systems, are essential to cope with changing climate conditions.
- Utilizing advanced technology for data collection, analysis, and modelling can help anticipate and respond to challenges related to water resources. Governments and regulatory bodies need to develop and enforce policies that ensure equitable access to water resources and sustainable management practices. Collaborative approaches to water management, including the sharing of water resources across regions and countries, can enhance resilience in the face of changing climate patterns. Furthermore, precise definitions of regional and global action plan for climate change need to be considered.
- The present conference aims to be a step towards bringing together scientists, planners, practitioners, and researchers to discuss recent issues and those expected to emerge in the future before the problems become too perplexing to solve for a sustainable future on this globe.