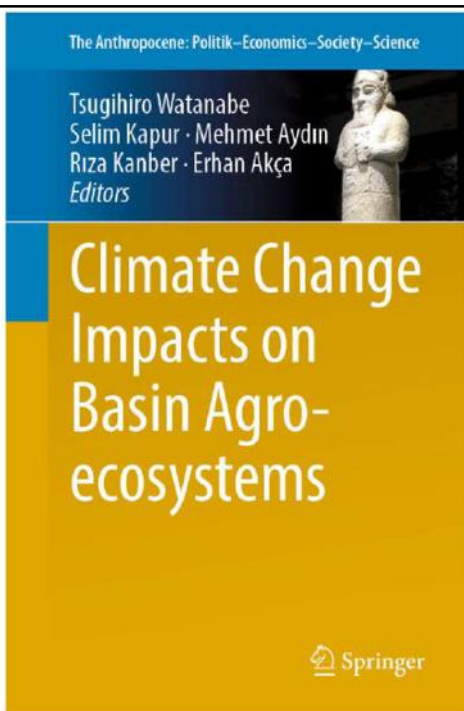


Integrated assessment of
“*Climate Change Impacts on Basin Agro-ecosystems*”

Introduction of a published book on the case in Turkey

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The cover photograph was provided by Adana Museum and shows Teşup or **Tarhunda**, the god of atmospheric events of rain, thunder and storm during the late Hittite Period (BC 700).



2012 Decision of the Publication
2013 Drafting the Chapters
2014 Drafting the Chapters
2015 Collection of the Draft Chapters
2016 Internal Review
2017 Re Peer-review
2018 Language Editing and proof

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Climate Change Impacts on Basin Agro-ecosystems

Editors: Watanabe, T., Kapur, S., Aydın, M., Kanber, R., Akça, E. (Eds.)

This book is based on the **outcomes of a Turkish-Japanese bilateral project** dealing with the **impacts of climate change on basin agro-ecosystems**. The book is unique in showing an up-to-date knowledge for the developing world.

The chapters are related to:

- a) the development and improvement of **a regional climate model** for a more accurate prediction with higher resolution of future changes in regional climate,
- b) the structure of **land and water management in agricultural production systems** in arid areas, especially to quantitatively evaluate the relationships among cropping systems, hydrological cycle and water balance in farmland and its environments,
- c) the assessment of **the impact of climate change and its adaptation on agricultural production systems**, mainly on the aspect of land and water management, and
- d) the **vulnerability of agricultural production systems** from natural changes and the measures for enhancing sustainability of agriculture.

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Climate Change Impacts on Basin Agro-ecosystems

Editors: Watanabe, T., Kapur, S., Aydın, M., Kanber, R., Akça, E. (Eds.)

This book elaborates on the methodologies for the assessment of climate change impacts on agricultural production and adaptation. In this book, the **concepts and processes of an integrated approach** are outlined, and its application in a case project is introduced.

The approaches described in the chapters would be **applicable in different situations** and **could be improved** with experience and the introduction of advanced techniques

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Thank you for your
attention



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