

# Table of contents

ICCAP-Kyoto Workshop 2005

## **PAGE**

### **[Socio-Economics]**

- 1      **Economic assessments of climate-change impacts on agriculture in Israel**  
Nilli KADISHI<sup>1</sup>, Iddo KAN<sup>1</sup>, Mordechai SHECHTER<sup>1</sup> and Zeitouni NAOMI<sup>2</sup>  
(<sup>1</sup>University of Haifa, <sup>2</sup>University of Minnesota)
- 15     **Women's labor in rural areas of Adana: from 2004 farm survey data**  
Sachiko HOSHIYAMA (*Kinjo-gakuin University*)
- 21     **Economic analysis of climate changes on agricultural production systems and identification of policy and institutional measures in Çukurova and Central Anatolia Regions**  
Onur ERKAN<sup>1</sup>, Cennet OĞUZ<sup>2</sup>, Ufuk GÜLTEKİN<sup>1</sup>, Kemalettin TAŞDAN<sup>1</sup> and Baran YAŞAR<sup>1</sup>  
(<sup>1</sup>Çukurova University, <sup>2</sup>Selcuk University)

### **[Vegetation]**

- 25     **Constant monitoring parcels' system that set up in Seyhan river basin and vegetation analyses**  
Mustafa ATMACA<sup>1</sup>, Türker ALTAN<sup>2</sup>, Ekrem AKTOKLU<sup>1</sup>, Kayhan KAPLAN<sup>1</sup>, Meryem ATIK<sup>4</sup> and Mustafa ARTAR<sup>2</sup>  
(<sup>1</sup>University of Mustafa Kemal, <sup>2</sup>University of Çukurova <sup>3</sup>University of Akdeniz)
- 36     **Effect of climate changes on the species composition and productivity of plant communities in the eastern Mediterranean region of Turkey**  
Shigenobu TAMAI<sup>1</sup>, Makoto ANDO<sup>2</sup>, Junji SANO<sup>3</sup>  
(<sup>1</sup>ALRC, Tottori University, <sup>2</sup>FERC, Kyoto University, <sup>3</sup>Tottori University)

### **[Crop Productivity]**

- 41     **Measuring biophysical forest variables and land cover mapping and of Seyhan Watershed**  
Süha BERBEROĞLU<sup>1</sup>, Fatih EVRENDİLEK<sup>2</sup>, and Sibel MEYDAN<sup>1</sup>  
(<sup>1</sup>Çukurova University, <sup>2</sup>Mustafa Kemal University)
- 46     **Closed chamber experiment on effects of CO<sub>2</sub> concentration and temperature on maize growth**  
Tomokazu HARAGUCHI<sup>1</sup>, Yoshisuke NAKANO<sup>1</sup>, Tomohisa YANO<sup>2</sup> and Masumi KORIYAMA<sup>3</sup>  
(<sup>1</sup>Kyushu University, <sup>2</sup>Mustafa Kemal University, <sup>3</sup>MHBC, Saga University)
- 50     **Evapotranspiration of maize crop in Adana region, Turkey**  
Hiromichi ODANI<sup>1</sup>, Shinichi TAKEUCHI<sup>2</sup>, Mustafa UNLU<sup>3</sup>, Kanako SASAKI<sup>1</sup> and Tomohisa YANO<sup>4</sup>  
(<sup>1</sup>University of Shiga Prefecture, <sup>2</sup>Kyushu Kyouritsu University, <sup>3</sup>Çukurova University, <sup>4</sup>Professor Emeritus, ALRC Tottori University)

### **[Climate and Climate Scenarios]**

- 57 **An overview of the MRI/JMA 20-km mesh atmospheric general circulation model and a global warming time-slice experiment**  
Akio KITOH<sup>1</sup>, Akira NODA<sup>2</sup>, Shoji KUSUNOKI<sup>3</sup> and Kyosei<sup>4</sup>-sub1 members  
(*Meteorological Research Institute (MRI)*)
- 61 **Regional climate change in Turkey estimated by RCM pseudo warming run**  
Fujio KIMURA (*University of Tsukuba*)

### **[Hydrology and Irrigation and Drainage]**

- 65 **Distributed hydrological modeling for ungauged watersheds: the case of the Seyhan River Basin**  
Amin NAWAHDA, Toshiharu KOJIRI, Kenji TANAKA and Yoichi FUJIHARA  
(*Water Resources Research Center, DPRI, Kyoto University*)
- 66 **Situation of Turkey water potential and its usage on the basis of river basins**  
Sermet ONDER<sup>1</sup>, Rıza KANBER<sup>2</sup>, Derya ONDER<sup>1</sup>  
(*<sup>1</sup>Mustafa Kemal University, <sup>2</sup>Cukurova University*)
- 70 **Hydraulic discontinuity on SWAP model**  
Tadao AODA (*Niigata University*)
- 72 **Impacts of sea level rise on groundwater environment in coastal areas: laboratory experiments, numerical analysis and a case study in Turkey**  
Katsuyuki FUJINAWA and Masanao FURUKAWA (*Shinshu University*)

### **[Socio-Economics]**

- 79 **Farmers' perception and actual response to drought -a case study of animal husbandry in Adana and Konya Regions**  
Ken MARU (*Kyoto University*)
- 83 **Farmers' perception and actual response to climate shock - the case study of wheat production in Adana and Konya Regions**  
Motoi KUSADOKORO and Atsuyuki ASAMI (*Kyoto University*)
- 88 **A general analysis of the 2004 farm survey data and of the impacts of drought**  
Akinori KITSUKI (*Kyoto University*)

### **[Workshop Program & Participant list]**

- 93 **Workshop Program**
- 95 **Participant list**