



## PREFACE

Dear Colleagues...

The " 7th International Anatolian Agriculture, Food, Environment and Biology Congress (TARGID 2024) " has been held in Kastamonu/Turkey on 26-29 September 2024, with the participation of scientists working in agriculture and related sciences, with the aim of sharing scientific developments, proposing scientific solutions to international problems, increasing cooperation and creating scientific outputs that will benefit humanity by using international resources economically.

210 papers from 24 countries were presented to our congress. 109 of these papers came from foreign countries and 101 came from Türkiye. The countries of the participants who sent papers to the congress and the number of incoming articles are as follows; Afghanistan (1), Algeria (22), Bangladesh (9), Burundi (1), Chad (1), Ethiopia (1), Hungary (1), India (3), Indonesia (3), Iran (1), Libya (1), Nepal (2), Nigeria (21), Pakistan (27), Philippines (1), Rwanda (2), Serbia (1), Sri Lanka (2), Sudan (5), Uganda (1), Ukraine (1), United States (1), Vietnam (1) ve Türkiye (101). The rate of international papers is 53% (more than one paper by the same author was received as one;  $(100 * 101 / (101 + 90)) = 53\%$ ).

At the congress; participants discussed such topics as animal production, crop production, aquaculture, food science and technologies, agricultural technologies, soil science, sustainable agricultural systems, agricultural economics, genetics, biology, agricultural ecology, landscape architecture and agricultural environment issues related to original, advanced technology on agriculture and natural life.

During the organization and congress phase of the congress; Dr. Burak Şen, Dr. Mustafa Duman, Dr. Kadir Erensoy, Dr. Brian Tainika, Dr. Myrzhiyeva Assem, Dr. Ahmet Uçar, Ahmet Akyol, Furkan Baş, Ali Kaan Yetik, Muhammet Talha İnce and Dilek Yaprak Uslu and Mehmet Yetişen took on important duties in the congress secretariat.

We would like to express our gratitude to all our stakeholders who supported the successful realization of our congress and all the scientists who participated and supported us with their papers.

Kind regards





## ÖNSÖZ

Sayın Meslektaşlarımız...

Tarım ve ilgili bilim dallarında çalışan bilim insanlarının katılımıyla, bilimsel gelişmeleri paylaştıkları, uluslararası sorunlara bilimsel çözümler önermek, iş birliklerini artırarak uluslararası kaynakların ekonomik kullanılmasıyla insanlığın yararına olacak bilimsel çıktıların oluşturulması amacıyla, 26-29 Eylül 2024 tarihinde Kastamonu/Türkiye’de “7. Uluslararası Anadolu Tarım, Gıda, Çevre ve Biyoloji Kongresi (TARGID 2024)” gerçekleştirilmiştir.

Kongremize 24 ülkeden 210 bildiri sunulmuştur. Bu bildirilerin 109'u yurt dışından, 101'i ise Türkiye'den gelmiştir. Kongreye bildiri gönderen katılımcıların ülkeleri ve gelen makale sayıları şu şekildedir; Afganistan (1), Cezayir (22), Bangladeş (9), Burundi (1), Çad (1), Etiyopya (1), Macaristan (1), Hindistan (3), Endonezya (3), İran (1), Libya (1), Nepal (2), Nijerya (21), Pakistan (27), Filipinler (1), Ruanda (2), Sırbistan (1), Sri Lanka (2), Sudan (5), Uganda (1), Ukrayna (1), Amerika Birleşik Devletleri (1), Vietnam (1) ve Türkiye (101). Yurtdışı bildiri oranı %53 ‘dir (aynı yazara ait birden fazla bildiriler tek olarak alınmıştır;  $(100 \cdot 101 / (101 + 90)) = 53$ ).

Kongrede; tarım ve doğal hayat ile ilgili özgün ve ileri teknoloji ile ilgili; hayvansal üretim, bitkisel üretim, su ürünleri, gıda bilimi ve teknolojileri, tarım teknolojileri, toprak bilimi, sürdürülebilir tarım sistemleri, tarım ekonomisi, genetik, biyoloji, tarımsal ekoloji, peyzaj mimarlığı ve tarımsal çevre konuları katılımcılar tarafından tartışılmıştır.

Kongremizin düzenlenmesi ve kongre aşamasında; kongre sekretaryasında önemli görevler üstlenen Dr. Burak Şen, Dr. Emre Aksoy, Dr. Mustafa Duman, Dr. Kadir Erensoy, Ahmet Akyol, Furkan Baş, Ali Kaan Yetik, Brian Tainika ve Muhammet Talha İnce, kongre organizasyonunu üstlenmişlerdir.

Kongremizin başarılı bir şekilde gerçekleştirilmesinde desteklerini esirgemeyen tüm paydaşlarımıza ve bildirileri ile katılarak destek veren tüm bilim insanlarına teşekkürü bir borç biliriz.

Saygılarımızla





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<b>Dr. Noosheen Zahid</b>	University of Nottingham, Malaysia
<b>Mr. Jiban Shrestha</b>	Nepal Agricultural Research Council, Nepal





## Yayın Ve Düzenlemede Görevlendirilmiş Akademisyen Temsilci

26-29 Eylül 2024 tarihinde Kastamonu/Türkiye’de “7. Uluslararası Tarım, Gıda, Çevre ve Biyoloji Kongresi (TARGID 2024)” gerçekleştirilmesinde, Niğde Ömer Halisdemir Üniversitesi Rektörlüğü’nün 14/06/2024 Tarih E-87795264-903.07-519278 sayılı ve Sivas Cumhuriyet Üniversitesi Rektörlüğü’nün 06.09.2024 tarihli ve E-15097355-100-465628 sayılı olurları ile aşağıda isimleri verilen akademisyenlere *yayın ve düzenlemede akademik temsilci* olarak yer almalarına izin verilmiştir.

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Prof. Dr. Metin Yıldırım  
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## ULUSLAR ARASI KONGRE ÖZELLİKLERİ

### 1. Bilim kurulunda yer alan yurt dışından akademisyenler

Akademisyen	Ülke
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Prof. Dr. Shafqat Saeed	Bahuddine Zakariya University, Pakistan
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Dr. Claudio Ratti	University of Bologna, Italy
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Dr. Noosheen Zahid	University of Nottingham, Malaysia
Mr. Jiban Shrestha	Nepal Agricultural Research Council, Nepal

### 2. Yurt dışından katılım sağlanan ülkeler ve bidiri sayıları

Ülke	Bidiri sayısı
Afganistan	1
Algeria	22
Bangladesh	9
Burundi	1
Chad	1
Ethiopia	1
Hungary	1
India	3
Indonesia	3
Iran	1
Libya	1
Nepal	2
Nigeria	21
Pakistan	27
Philippines	1
Rwanda	2
Serbia	1
Sri Lanka	2
Sudan	5
Uganda	1
Ukraine	1
United States	1
Vietnam	1
Türkiye	101

### 3. Yurt dışı katılım oranı

Ülke	Bidiri sayısı (birden fazla bildiriyle katılım)
Yurt dışı	101 (109)
Yurt içi	90 (101)
C %53 Yurt Dışı; %47 Türkiye	

Yukarıda verilen bilgiler çerçevesinde, 26-29 Eylül 2024 tarihinde Kastamonu/Türkiye’de “7. Uluslararası Tarım, Gıda, Çevre ve Biyoloji Kongresi (TARGID 2024)”, uluslararası kongre niteliği taşımakta, akademik teşvik kriterleri ve UAK Doçentlik başvuru koşullarını sağlamıştır.





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