

2011 Ankara, TURKEY



# CATALYZER

future through chemistry

no: 1 July 27, 2010



It is my great pleasure to invite you to the 43rd International Chemistry Olympiad to be held in Ankara, Turkey in July 2011. As President of Middle East

Technical University (METU), I am delighted that this important forum of scholars and students of chemistry from all over the world will convene on our Campus.

Chemistry has been a key discipline for humankind to understand and work with the physical universe, and it will continue to drive the critical technologies needed to deal with the major challenges, such as climate change, environmental pollution, and food shortages, that face us in the 21st century. I trust the young students of chemistry who participate in the Olympiads today will play crucial roles in the scientific advances and technological innovations in chemistry and its affiliated fields tomorrow. As such, IChO represents a best practice in attracting, motivating, and training a new generation of dedicated scholars and practitioners of chemistry who will help create a safer and more prosperous world in the future.

I hope you will take this opportunity to participate in this unique forum, and also enjoy the natural and cultural treasures of Turkey. We look forward to hosting you on the METU Campus in July 2011.

Prof. Dr. Ahmet Acar  
President of Middle East  
Technical University



It is great pleasure for us to host the 43rd International Chemistry Olympiad in Turkey in 2011. This is the first time that the Chemistry Olympiad will be

organized in Turkey and I am very honoured to welcome talented young scientists from more than 70 countries to the capital of Turkey, Ankara whose history can be traced back to the Bronze Age Hatti civilization.

In the 21st century chemistry, although it has a reputation for being a complicated science, is critically important for modern scientific developments. It contributes to biotechnology, molecular biology, pharmacy, environmental, and material sciences.

In contemporary society, chemistry responds with significant ideas generating and developing new areas, such as molecular electronics, magnetic resonance imaging (MRI) methods, superconductors, chaotic systems, lasers, and new spectroscopic methods.

By your participation in the 43rd International Chemistry Olympiad, I believe that your involvement in an international environment will contribute to your education and pave the way to becoming chemists of the future for all of you.

I look forward to seeing you next summer and hope you will enjoy your stay in Turkey during the 43rd International Chemistry Olympiad.

Prof. Dr. Nüket Yetiş  
President of The Scientific and  
Technological Research Council of  
Turkey



More than 40 years have passed since our assistant in my first General Chemistry laboratory hour corrected the way I handled a glass pipette. In the

following years until today chemistry has given me a lot of amusement and happiness.

All these positive feelings were further enhanced when I met many high school students so enthusiastic and motivated in chemistry through my experiences in Chemistry Olympiads. Now, we will have the pleasure, honor and joy of hosting the 43rd International Chemistry Olympiads next year at the Chemistry Department of Middle East Technical University at Ankara, Turkey. Together with the young chemistry lovers, we shall run in the labyrinths of science leading to a better understanding of chemistry. I would like to believe that the next generations will make and see a world that is better than today and the role of chemistry will be significant and appreciated.

We are all looking forward to hosting you in Ankara and to celebrating together The International Year of Chemistry 2011.

*\*Madem geldik dünyaya,  
Çalışalım kimyaya.*

*\*Since we came to this world (dünya),  
Let us study for chemistry (kimya).*

Prof. Dr. O. Yavuz Ataman  
Chairman of the 43rd IChO

# Middle East Technical University

Middle East Technical University (METU), a state university founded in 1956, currently has about 23,000 students of which 4,500 are in master's and 2,700 are in doctorate programs.

METU hosts over 1,500 international students from nearly 80 different countries studying toward a myriad of academic degrees.

METU, with 168 Erasmus agreements and 182 bilateral exchange and cooperation agreements with universities in third countries annually sends 350 students abroad and hosts 300 students and 50 teaching staff/researchers.

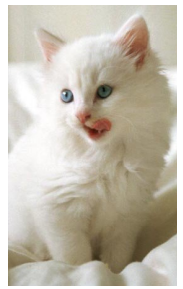


## ANKARA

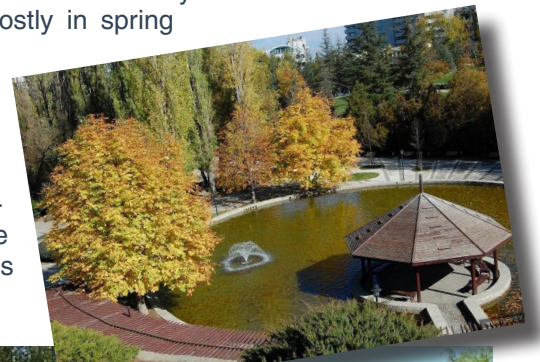
Ankara is the capital of Turkey and the country's second largest city after Istanbul, with a population of about 5 000 000. It is a very old city with various Hittite, Phrygian, Hellenistic, Roman, Byzantine, and Ottoman archaeological sites.



The city is famous for its long-haired Angora goat and its prized wool (mohair), a unique breed of cat (Angora cat), white rabbits and their prized wool (Angora wool), pears, honey, and the region's muscat grapes.



Ankara has a continental climate with cold, snowy winters and hot dry summers. Rainfall occurs mostly in spring and autumn. Because of its high altitude and its dry summers, nightly temperatures in the summer months are cool.



# turkey

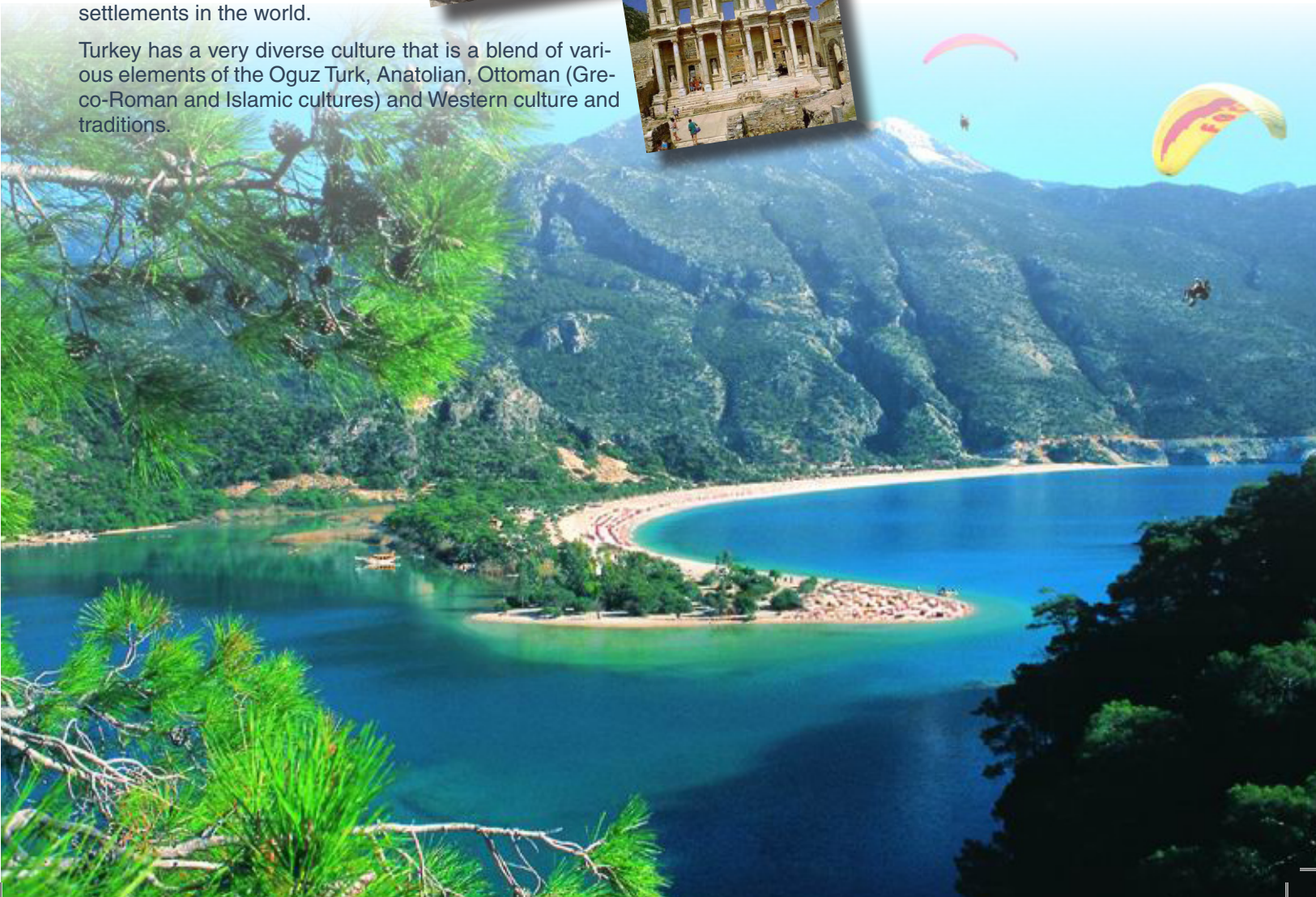
The Republic of Turkey is a Eurasian country situated in the Anatolian peninsula, located in Western Asia, and Eastern Thrace, located in southeastern Europe. The country is encircled by seas on three sides: the Aegean Sea to the west, the Black Sea to the north and the Mediterranean Sea to the south. Turkey also contains the Sea

of Marmara in the northwest and occupies an area of 783.56 km<sup>2</sup>.

The population of Turkey is more than 73 million and the average population density is 92 persons per km<sup>2</sup>.

Turkey is a democratic, secular, unitary, constitutional republic, with an ancient and historical cultural heritage. The Anatolian peninsula, comprising most of modern Turkey, is one of the oldest continuously inhabited regions in the world. The earliest Neolithic settlements are considered to be among the earliest human settlements in the world.

Turkey has a very diverse culture that is a blend of various elements of the Oguz Turk, Anatolian, Ottoman (Greco-Roman and Islamic cultures) and Western culture and traditions.



## useful turkish phrases

Good morning	Günaydın
Good evening	İyi akşamlar
Good night	İyi geceler
Good-bye	Hoşçakal
Excuse me	Afedersiniz
I am sorry	Üzgünüm
Thank you	Teşekkürler
Yes/No	Evet/Hayır
Please	Lütfen
Good luck	İyi şanslar

## practical information

Weather in Ankara in July

Daytime : ~30°C

Night : ~ 16°C

Humidity : 20-50%

Local time in Turkey: GMT +2

## CURRENCY

The unit of Turkish currency is Turkish Lira (TL). 1 TL : 100 Kr.

Banknotes 5, 10, 20, 50, 100 and 200 TL

Coins 1, 5, 10, 25, 50, 100 Kr

## Poem of the Day

Davet

...

Yaşamak bir ağaç gibi tek  
ve hür  
Ve bir orman gibi  
kardeşçesine,

...






Invitation

...

To live like a tree; in solitude  
and free  
Yet, fraternally like a forest,  
...

Nazım Hikmet Ran

## 43 rd icho tentative program

Date		Students	Mentors, Observers
July 9 Saturday	whole day	Arrivals and Registration	
July 10 Sunday	morning	Opening Ceromony	
	afternoon	Free time	Lab Inspection
	evening	Lab Safety Instructions	1st Jury Meeting
July 11 Monday	morning		Translation
	afternoon		
	evening		
July 12 Tuesday	morning	Practical Exam	Excursion
	afternoon		Meeting with the authors
	evening		2nd Jury Meeting
July 13 Wednesday	morning		Translation
	afternoon		
	evening		
July 14 Thursday	morning	Theoretical Exam	Excursion
	afternoon	Re-union Party	
	evening	Open-air Party	Score Marking
July 15 Friday	morning		Excursion
	afternoon		
	evening		
July 16 Saturday	morning		Score Marking
	afternoon		
	evening		
July 17 Sunday	morning	Free Time	Free Time
	afternoon	Closing Ceremony	
	evening	Banquet	
July 18 Monday	whole day	Departures	

## contact details

43rd IChO Office  
Department of Chemistry  
Middle East Technical University  
Ankara 06531 Turkey

Tel +90 312 210 3203  
Faks +90 312 210 3200

Email: icho2011@metu.edu.tr  
Web www.icho2011.metu.edu.tr

## supporting organizations



The Scientific and Technological  
Research Council of Turkey



Middle East Technical University



The Turkish Chemical Society

2011 Ankara, TURKEY



CATALYZER

Editor : Ayfer Toppare  
Graphic Design : Idil Ayçe Aba,  
Beril Aba