

71st

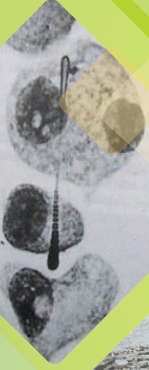
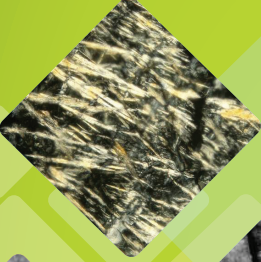
with international participation
GEOLOGICAL CONGRESS OF TURKEY

Geology and Health

METU Cultural and Convention Center

April 23-27, 2018

**FIRST
CIRCULAR**



TMMOB
JEOLOJİ MÜHENDİSLERİ ODASI
CHAMBER OF GEOLOGICAL ENGINEERS OF TURKEY

71st *with international participation*
GEOLOGICAL CONGRESS OF TURKEY
Geology and Health
METU Cultural and Convention Center
April 23-27, 2018

Chamber of Geological Engineers (CGE) Executive Committee

Hüseyin ALAN

Yüksel METİN

Faruk İLGÜN

D. Malik BAKIR

Canan DEMİRAL

Murat AKGÖZ

Düzgün ESİNA

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Vice President

Secretary

Treasury

Member of Professional Activities

Member of Publications

Member of Social Affairs

CGE Scientific and Technical Committee

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Gürol Seyitoğlu

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Vice President, General Geology Member

*Secretary, Geological Hazard and
Professional Ethics Member*

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Ayhan KOÇBAY

Ayhan KÖSEBALAN

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Erol SARI

Hasan SÖZBİLİR

İbrahim AKKUŞ

Environmental Geology Member

Medical Geology Member

Engineering Geology and Geotechnics Member

Coal Geology Member

Remote Sensing and GIS Member

Geochemistry Member

Paleontology Member

Marine, Lake and Coastal Geology Member

Structural Geology and Tectonics Member

*Geothermal Resources and Natural Mineral
Waters Member*

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Levent KARADENİZLİ

Mehmet EKMEKÇİ

Mehmet Ruhi AKÇIL

Murat NURLU

Petroleum Geology Member

Stratigraphy – Sedimentology Member

Hydrogeology Member

Drilling Applications Member

*Natural Hazards and Disaster Management
Member*

Osman PARLAK

Özcan DUMANLILAR

Sabah Yılmaz ŞAHİN

Yıldırım GÜNGÖR

Mineralogy-Petrography Member

Metallic Mines Member

Precious and Semi Precious Stones Member

*Geo-tourism, Geological Heritage and
Archaeogeology Member*

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Organising and Executive Committee

Erdinç YİĞİTBAŞ

(President - Çanakkale Onsekiz Mart Uni.)

Alper BABA

Vice-president
(İzmir Institute of Technology)

Yener EYÜBOĞLU

Vice-president
(Karadeniz Technical Univ.)

Fatma TOKSOY KÖKSAL

(Secretary - Middle East Technical Univ.)

Türker KURTTAŞ

(Secretary - Hacettepe Univ.)

Mustafa AVCIOĞLU

(Secretary - Çanakkale Onsekiz Mart Univ.)

Düzgün ESİNA

(Social and Cultural Affairs)

Sinem ÇETİNKAYA

(Social and Cultural Affairs)

D. Malik BAKIR

(Treasury)

Damla ARIK

(Treasury)

İlhan ULUSOY

(Public Relations)

Zeynep Yelda CUMA

(Public Relations)

Venue and Dates

71st Geological Congress of Turkey will be held at the METU Cultural and Convention Center in Ankara, from 23 to 27 April, 2018

Correspondence

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71st Geological Congress of Turkey, Executive Secretary

Chamber of Geological Engineers of Turkey

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Call for Papers/Invitation

INVITATION TO CONGRESS

The Geological Congress of Turkey, which began in 1947 and is a long established, respected scientific event for earth sciences in Turkey, will be held for the seventy-first time at the METU Culture and Convention Center on 23-27 April 2018.

This year the main theme of the conference is “Geology and Health”. Therefore, special sessions and panels will be organized related to the fields of Medical Geology, Environmental Geology, etc. Interesting topics will be discussed and important guests will join us during the conference.

The common living environment of all living organisms is under the influence of the biosphere, troposphere, hydrosphere and lithosphere, and in truth all these layers are closely related and affect each other. When taken as a whole in this respect, the common domain of these layers encompasses a single phenomenon: The Biogeochemical Environment. Whether scientific or philosophical, if the statement “the quality of water is the same as the rocks it passes through” is true; it is impossible that the health of all living beings and human health are not affected by “biogeochemical environment”. The examination of this biogeochemical environment is only one of the main tasks of geology and the health problems of the living beings affected by this environment are included in the basic field of medical sciences (medical, veterinary, etc.). In the last 50 years, with this knowledge and consciousness, an interdisciplinary field of research has emerged in many countries of the world: Medical Geology! This area, which has been evolving in our country in recent years and has begun to develop rapidly, forms an important intersection between geology and medicine, and common projects are being developed between these two sciences. We believe that the most important conditions for preserving and maintaining the natural biogeochemical environment of all living beings, that is increasingly industrialized and inhabited, will be made possible by expanding the intersection of geology and health sciences and developing new multidisciplinary work areas. In this regard, we expect

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participation and contribution of all scientists from medical and veterinary sciences, biology, agriculture, geography and chemistry, as well as the geological sciences, at our congress this year.

The traditional foundational subjects of the Congress, such as Regional Geology, Basic Geology, Applied Geology, Economic Geology, Disaster and Disaster Management, will be discussed at this Congress as usual. The “Student Session” which was held for the first time at the seventieth conference will continue this year under the name of “Geoscientists of the Future”. For the first time this year a “Master’s Session” will be held, in which the veteran names from our country who have served in the field of geoscience in the past, will share their experiences in scientific, historical and philosophical talks.

As the Organizing Committee; we sincerely invite all scientists who are directly or indirectly related to geological sciences, and in particular “Geology and Health”, to our congress and gratefully encourage participation at the congress. We would also be happy to hear from any volunteers who wish to organize a private session or an exhibition, panel or social event within the congress.

We invite all with an interest in science and goodness to this long-established scientific meeting in Turkey, organized for the seventy-first time, the 71st Geological Congress of Turkey...

On behalf of the Organizing Committee
Erdinç YİĞİTBAŞ



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Session Conveners and Scientific Committee

ALTERNATIVE ENERGY RESOURCES

Kadir GÜRGEY (*Near East Univ., TRNC*)

İsmail BAHTİYAR (*Turkish Petroleum*)

Hasan Armağan DERMAN (*Turkish Petroleum*)

REGIONAL GEOLOGY AND TECTONICS

Aral OKAY (*İstanbul Tech. Univ.*)

Bora ROJAY (*Middle East Tech. Univ.*)

Erman ÖZSAYIN (*Hacettepe Univ.*)

Bora UZEL (*Dokuz Eylül Univ.*)

Derek THORKEKELSON (*Simon Fraser Univ., Canada*)

Ivan ZAGORCHEV (*Bulgarian Academi of Sci.*)

ENVIRONMENTAL GEOLOGY

İrfan YOLCUBAL (*Kocaeli Univ.*)

Fatma GÜLTEKİN (*Karadeniz Tech. Univ.*)

Prosun BHATTACHARYA (*KTH Royal Inst. of Tech., Sweden*)

Nurdan AYDIN-DÜZGÖREN (*New Jersey City Univ. Earth and Env. Sci., USA*)

PRECIOUS - SEMI PRECIOUS STONES

Murat HATİPOĞLU (*Dokuz Eylül Univ.*)

Hamit Haluk SELİM (*Istanbul Ticaret Univ.*)

Meltem GÜRBÜZ (*Mersin Univ.*)

Ayten ÇALIK (*Çanakkale Onsekiz Mart Univ.*)

NATURAL DISASTERS and DISASTER MANAGEMENT

Orhan TATAR (*Cumhuriyet Univ.*)

Şükrü ERSOY (*Yıldız Tech. Univ.*)

Bülent ÖZMEN (*Gazi Univ.*)

NATURAL BUILDING STONES AND INDUSTRIAL MINERALS

Cahit HELVACI (*Dokuz Eylül Univ.*)

Atiye TUĞRUL (*İstanbul Univ.*)

Bahadır YAVUZ (*Dokuz Eylül Univ.*)

FOSSIL FUELS AND TECHNOLOGY

Ali İhsan KARAYİĞİT (*Hacettepe Üniv.*)

Zühtü BATI (*Turkish Petroleum*)

Kimon CHRISTANIS (*Patras Univ., Greece*)

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Session Conveners and Scientific Committee

HYDROGEOLOGY, WATER RESOURCES AND THEIR MANAGEMENT

Hasan YAZICIGİL (*Middle East Techn. Univ.*)

Zübeyde HATİPOĞLU BAĞCI (*Mersin Univ.*)

Müfit Şefik DOĞDU (*General Directorate of State Hydraulic Works*)

Antonio CAMPBELL (*President of Int. Assoc. of Hydrogeologists, Portugal*)

Ken HOWARD (*Toronto Univ., Canada*)

GEOCHRONOLOGY AND ISOTOPE GEOLOGY

Nilgün GÜLEÇ (*Middle East Tech. University*)

Quentin CROWLEY (*Trinity College, Ireland*)

İsmail Onur TUNÇ (*Ardahan Univ.*)

GEOHERMAL ENERGY

Özgür AVŞAR (*Muğla Sıtkı Koçman Univ.*)

Hüseyin KARAKUŞ (*Dumlupınar Univ.*)

Furkan ŞENER (*Ömer Halisdemir Univ.*)

Mahmut PARLAKTUNA (*Middle East Tech. Univ.*)

Dornadula CHANDRASEKHARAM (*Indian Inst. of Tech., India*)

MARINE, LAKE AND COASTAL GEOLOGY

Erol SARI (*İstanbul Univ.*)

Kadir Kürşat ERİŞ (*İstanbul Techn. Univ.*)

Demet BİLTEKİN (*Ordu Univ.*)

Pierre Henry (*CEREGE, France*)

QUATERNARY STUDIES

Ahmet Evren ERGİNAL (*Ardahan Univ.*)

Catherine KUZUCUOĞLU (*CNRS, France*)

Yeşim BÜYÜKMERICİ (*Bülent Ecevit Univ.*)

CULTURAL GEOLOGY AND GEOLOGICAL HERITAGE

Nizamettin KAZANCI (*Ankara Univ.*)

Nazire Özgen ERDEM (*Ankara Univ.*)

Mehmet Korhan ERTURAÇ (*Sakarya Univ.*)

MAGMATISM AND MAGMATIC PROCESSES

Ercan ALDANMAZ (*Kocaeli Univ.*)

Sibel TATAR ERKÜL (*Akdeniz Univ.*)

Özgür KARAOĞLU (*Eskişehir Osmangazi Univ.*)

John A. WINCHESTER (*Keele Univ., UK*)

Francis O. DUDAS (*MIT, USA*)



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METALLIC MINERAL DEPOSITS

Necati TÜYSÜZ (*Karadeniz Tech. Univ.*)
Mustafa KUMRAL (*İstanbul Tech. Univ.*)
Mustafa CİHAN (*Öksüt Mining Co.*)
Enver AKARYALI (*Gümüşhane Üniv.*)

METAMORPHISM AND METAMORPHIC PROCESSES

Ali Polat (*Windsor Univ., Canada*)
Gültekin TOPUZ (*İstanbul Tech. Univ.*)
Gürsel SUNAL (*İstanbul Tech. Univ.*)

ENGINEERING GEOLOGY AND GEOTECHNICS

Reşat ULUSAY (*Hacettepe Univ.*)
Hakan ERSOY (*Karadeniz Tech. Univ.*)
Mahmut MUTLUTÜRK (*Süleyman Demirel Univ.*)
M. Celal TUNUSLUOĞLU (*Çanakkale Onsekiz Mart Univ.*)

NEOTECTONICS AND SEISMICITY

Hasan SÖZBİLİR (*Dokuz Eylül Üniv.*)
Süha ÖZDEN (*Çanakkale Onsekiz Mart Univ.*)
Veysel IŞIK (*Ankara Üniv.*)
Abdolreza GHODS (*IASBS, Iran*)
Volkan KARABACAK (*Eskişehir Osmangazi Üniv.*)

OPHIOLITE AND MELANGE

Osman PARLAK (*Çukurova Üniv.*)
İbrahim UYSAL (*Karadeniz Tech. Üniv.*)
Utku BAĞCI (*Mersin Üniv.*)

PALEONTOLOGY AND BIOSTRATIGRAPHY

Atike NAZİK (*Çukurova Üniv.*)
Ercan ÖZCAN (*İstanbul Tech. Üniv.*)
Aynur HAKYEMEZ (*Gen. Directorate of Min. Res. and Expl.*)
Bilal SARI (*Dokuz Eylül Üniv.*)

SEDIMENTOLOGY AND SEDIMENTARY PROCESSES

Mehmet ÖZKUL (*Pamukkale Üniv.*)
Faruk OCAKOĞLU (*Eskişehir Osmangazi Üniv.*)
Ulvican ÜNLÜGENÇ (*Çukurova Üniv.*)
Ezher TAGLIASACCHI (*Pamukkale Üniv.*)

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DRILLING METHODS AND TECHNOLOGY

Celalettin ŞİMŞEK (*Dokuz Eylül Univ.*)

Mehmet Ruhi AKÇIL (*Geo Drilling Machinery Manuf. Co.*)

Traugott SCHEYTT (*Berlin Tech. Univ. Germany*)

MEDICAL GEOLOGY

Muzaffer METİNTAŞ (*Eskişehir Osmangazi Univ.*)

Yüksel ÖRGÜN (*İstanbul Tech. Univ.*)

Engin TUTKUN (*Bozok Univ.*)

Jochen BUNDSCHUH (*The Univ. of Southern Queensland, Australia*)

Iosif VOLFSO (*Russian Geol. Soc., Russia*)

REMOTE SENSING AND GIS

Kaan Şevki KAVAK (*Cumhuriyet Univ.*)

Can AYDAY (*Eskişehir Anadolu Univ.*)

Bekir Taner SAN (*Akdeniz Univ.*)

LOCAL GOVERNMENT - URBANIZATION AND GEOLOGY

Turgut ÖZTAŞ (*Chamber of Geological Engineers of Turkey*)

Remzi KARAGÜZEL (*İstanbul Tech. Univ.*)

İrfan YEŞİLNACAR (*Harran Univ.*)

GEOSCIENTIST OF THE FUTURE

Sena AKÇER ÖN (*Muğla Sıtkı Koçman Univ.*)

Yavuz KAYA (*Middle East Tech. Univ.*)

Şükran AÇIKEL (*Hacettepe Univ.*)

MASTERS SESSION (RETIRED EARTHSCIENTISTS)

Ayhan KÖSEBALABAN (*Chamber of Geological Engineers of Turkey*)

Ali YILMAZ (*Cumhuriyet Univ.*)

Ali Vedat ÖYGÜR (*Chamber of Geological Engineers of Turkey*)

Tandoğan ENGİN (*Chamber of Geological Engineers of Turkey*)



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Abstract

Participants who wish to give a presentation (oral or poster) must submit an Abstract in the style, layout and format and in accordance with guidelines outlined in the Congress website. We recommend that the actual text of the abstract is carefully compiled and thoroughly checked, in particular with regard to the list of authors, before submission in order to avoid last minute changes. Abstracts must be associated to a Session of the Scientific Programme, and the submission of an abstract carries with it the obligation that it is actually presented at the Congress by the author or, at least, by one of the co-authors.

Abstracts are to be submitted electronically using 'online submission link' at our website and we do not accept abstracts in hard copy or camera-ready version. For further details please visit our website.

All abstracts must arrive before **December 15, 2017**. Each participant may submit up to two abstracts in which they appear as presenting author. The Scientific Committee reserves the right to accept or refuse contributions on the basis of the abstracts. Participants are invited to submit their papers to any of the sessions they wish. The authors may choose either oral or poster form for presentation of their paper, but please indicate your preference for presentation. The Scientific Committee will take the author's preference for oral or poster session into full consideration, but the final decision will be made by the Committee. Submission of an abstract means the work is original and has not been submitted elsewhere.

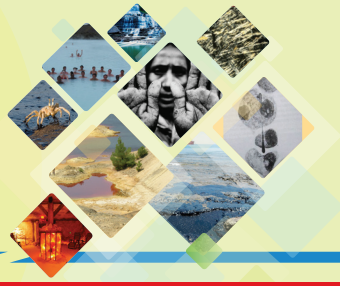
All abstracts will be compiled and published in an Abstract Volume. Participants will receive the Volume upon registration at the Convention Centre.

Authors whose abstract has been received and successfully processed will receive an acknowledgement regarding the receipt and status of their contribution as well as its Abstract Identification Number for future updating/correction or withdrawal, respectively.

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Style, Layout and Format of Abstracts

Abstract Style

Abstracts should be short, clear, concise and written both in Turkish and English with correct spelling and good sentence structure. For non-Turkish participants Organizing Committee will provide a help to translate abstracts to Turkish. Mathematical symbols and equations must be typed in, and metric symbols should be used. Standard abbreviations may be used. Each abstract should include title, author(s), institution(s), country, postal code and e-mail of the corresponding author. Please use the following example (given in 'Abstract Layout' section) when you prepare your abstract.

Abstract Format

ABSTRACT TITLE

(TIMES NEW ROMAN, 13 pt, CAPITALS, CENTERED, BOLD)

Leave one line blank (12 pt)

Author1^a, Author2^b(Times Roman, 11 pt, Centered, Italic, Bold)

^aAddress1 (Times Roman, 10 pt, Centered, Italic)

^bAddress2 (Times Roman, 10 pt, Centered, Italic)

(e-mail address of the corresponding author in parentheses, Centered, Italic)

Leave one line blank (12 pt)

ABSTRACT (TIMES ROMAN, 12 pt, CENTERED, BOLD)

Leave one line blank (12 pt)

Participants must submit an Abstract in the style, layout and format and in accordance with guidelines outlined here and in the Conference Website. As it is easier, it is highly recommended to use this page to prepare your abstracts. Abstracts are to be prepared using standard PC-based MS Word softwares (doc, docx). Abstracts must be in Turkish and English and cannot exceed one A4 page each; leave 4.5 cm margins top and bottom and 4.0 cm left and right margins. Main text of abstract should be flush left, right justified, single spaced and written with Times New Roman italic, point 10; also leave one blank line (11 pt) after each paragraph block.

Leave one line blank (11 pt)

We recommend that the actual text of the abstract is carefully compiled, well-organized and thoroughly checked, in particular with regard to the list of authors, before submission in order to avoid last minute changes. Abstract highlights purpose of the research, methodologies employed, and main conclusions reached. Summarize only what your presentation will be about; discussion of other's work(s) should be avoided. Abstracts should be short, clear, concise and written both in Turkish and English with correct spelling and good sentence structure. For non-Turkish participants Organizing Committee will provide a help to translate abstracts to Turkish. Citations, reference list, figure, table, special symbol, header and footer should be avoided. Authors should also provide 5 keywords to assist the reader and allow cross-indexing of the abstract (Times New Roman, 10 points). Key words should be written in lower-case letters and be separated by commas. Plural forms and upper-case letters should be avoided. All authors are requested to avoid statements which may cause potential conflict of interest with other people or organizations. The submission of

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an abstract carries with it the obligation that it will actually be presented at the Conference by the author or, at least, by one of the co-authors. The Conveners reserves the right to accept or refuse contributions on the basis of the abstracts, if they do not meet guidelines outlined in this instruction. Each participant may submit up two abstracts in which they appear as presenting author.

Leave one line blank (11 pt)

*Abstracts should be submitted through the online system (www.jeolojikurultayi.org) not later than **December 15, 2017**. Participants are invited to submit their papers to any of the sessions they wish. The authors may choose either oral or poster form for presentation of their paper, but please indicate your preference for presentation. The Scientific Committee will take the author's preference for oral or poster session into full consideration, but the final decision will be made by the Committee. Submission of an abstract means the work is original and has not been submitted elsewhere. The authors are also invited to complete the author information form available at the system.*

Leave one line blank (11 pt)

Keywords: Word 1, word 2, word 3, word 4, word 5



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Deadlines

Deadline for submission of abstracts for oral and poster presentation: December 15, 2017

Exhibition

An exhibition hall with facilities for exhibiting technological and computing equipment as well as publications will be available. The exhibition will be open throughout the Congress. Contact the Organizing Committee Secretary for further details (fee, facilities, methods of payment, etc).

Social and Cultural Programme

Ice Breaking Reception
Traditional Geology Banquet
Field Trips
Concerts

Congress Language

The official language of the Congress will be both Turkish and English. No simultaneous translate will be provided. All correspondence should be in English or Turkish.

Fee

Registration fee is 200 Euro, which includes the proceeding book.

Accommodation

If you plan stay in a hotel in Ankara, the Executive Committee will help you to arrange an accommodation upon request. The hotel rates range from US \$75 - 250. For further details please visit website at www.ankaraotelleri.com.

Methods of Payments

Payments can be made by bank draft or bank transfer. Bank transfer should be addressed to:

TMMOB Jeoloji Mühendisleri Odası İktisadi İşletmesi
İŞBANKASI YENİŞEHİR ŞUBESİ
Account No: 4218-6203662
IBAN: TR350006400000142186203662

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TENTATIVE PROGRAMME

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		April 23, 2018 Monday	April 24, 2018 Tuesday	April 25, 2018 Wednesday	April 26, 2018 Thursday	April 27, 2018 Friday
Morning Sessions		Opening Ceremony Scientific Sessions	Scientific Sessions	Scientific Sessions	Scientific Sessions	Scientific Sessions
Afternoon Sessions		Scientific Sessions	Plenary Session Scientific Sessions	Scientific Sessions	Plenary Session Scientific Sessions	Scientific Sessions
Evening Sessions		Social Affairs	Social Affairs	Traditional Geology Night	Social Affairs	Closing Ceremony

-  No sessions will be held during plenary sessions to allow all participants have the opportunity to attend the invited speakers...
-  Poster sessions will be scheduled and announced later.
-  Schedule of art exhibitions and recitals will be announced in the final program.

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