

**INTERNATIONAL
WORKSHOP ON
“GEOHERMAL ENERGY FOR
SUSTAINABLE
DEVELOPMENT” GeoESD2021**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening Ceremony

Wednesday, December 8, 2021 9:30 AM (15 minutes)

Presenters: Prof. BABA, Alper; Prof. CHANDRASEKHARAM, Dornadula; Prof. TATAR, Orhan

Session Classification: Opening Ceremony

Contribution ID: 2

Type: **not specified**

The chancellor of Izmir Institute of Technology (IZTECH)

Wednesday, December 8, 2021 9:45 AM (5 minutes)

Presenter: Prof. BARAN , Yusuf

Session Classification: Opening Ceremony

Contribution ID: 3

Type: **not specified**

The president of the Scientific and Technological Research Council of Turkey (TUBITAK)

Wednesday, December 8, 2021 9:50 AM (10 minutes)

Presenter: Prof. MANDAL , Hasan

Session Classification: Opening Ceremony

Contribution ID: 4

Type: **not specified**

Multifaceted application of geothermal systems

Wednesday, December 8, 2021 10:00 AM (30 minutes)

Presenter: TOMASZEWSKA , BARBARA

Session Classification: Sesion I

Contribution ID: 5

Type: **not specified**

Surface Heat Flow in Western Anatolia (Turkey) and implications to the thermal structure of the Gediz Graben

Wednesday, December 8, 2021 10:30 AM (20 minutes)

Presenters: PAZVANTOĞLU, ELİF; ERKAN, KAMİL; ŞALK, MÜJGAN; AKKOYUNLU, BÜLENT OKTAY; TAYANÇ, METE

Session Classification: Sesion I

Contribution ID: 6

Type: **not specified**

Geothermal reservoir rocks of the Büyük Menderes Graben (Turkey): Stratigraphic correlation by a multi-proxy approach

Wednesday, December 8, 2021 10:50 AM (20 minutes)

Presenters: SIEFERT, DOROTHEE; EICHE, ELISABETH; KOLB, JOCHEN; GLODNY, JOHANNES; WOLFGRAMM, MARKUS; KOELBEL, THOMAS

Session Classification: Sesion I

Contribution ID: 7

Type: **not specified**

Harcourt granite scCO₂ water interaction: A laboratory study of reactivity and modelling of hydrogeochemical processes

Wednesday, December 8, 2021 11:10 AM (20 minutes)

Presenters: GAMAGE, RANJITH PATHEGAMA; AVANTHI ISAKA, BADULLA LIYANAGE

Session Classification: Sesion I

Contribution ID: 8

Type: **not specified**

Seismic velocity characterisation and survey design to assess CO₂ injection performance at Kızıldere geothermal field

Wednesday, December 8, 2021 11:30 AM (20 minutes)

Presenters: PARLAKTUNA, MAHMUT; FARINA, BIANCAMARIA; PARLAKTUNA, BURAK; BELLEZZA, CINZIA; ŞENTÜRK, ERDİNÇ; TONÇIÇ, ERİNÇ; POLETTO, FLAVIO; BOHM, GUALTIERO; JANSSEN, MARTIJN T.G.; SINAYUÇ, ÇAĞLAR; DEMİRCİOĞLU, ÖNCÜ; DURUCAN, ŞEVKET

Session Classification: Sesion II

Contribution ID: 9

Type: **not specified**

Structural controls and hydrogeochemical properties of geothermal fields in the Varto Region, East Anatolia

Wednesday, December 8, 2021 11:50 AM (20 minutes)

Presenters: UZELLİ, TAYGUN; BABA, ALPER; SÖZBİLİR, HASAN; ŞENER, MEHMET FURKAN; DİRİK, RAMAZAN KADİR; DÖLEK, İSKENDER

Session Classification: Sesion II

Contribution ID: 10

Type: **not specified**

Simulation and parametric study on a novel modified Kalina cycle

Wednesday, December 8, 2021 12:10 PM (20 minutes)

Presenters: LEI, GUOBIN; LIU, DONGXI; QI, FUZHI; ZHANG, JIAQI; XU, JIAWEI; PENG, JIE; ZHOU, JUN; MENG, QINGYAO; SHI, SHENGCHAO

Session Classification: Sesion II

Contribution ID: 11

Type: **not specified**

Innovative application on geothermal system

Wednesday, December 8, 2021 1:30 PM (30 minutes)

Presenter: RICHTER, ALEXANDER

Session Classification: Sesion III

Contribution ID: 12

Type: **not specified**

High heat generating granites of Kestanol (western Anatolia) for a future Enhanced Geothermal System (EGS)

Wednesday, December 8, 2021 2:00 PM (20 minutes)

Presenters: CHANDRASEKHARAM, DORNADULA; BABA, ALPER

Session Classification: Sesion III

Contribution ID: 13

Type: **not specified**

Exploration of geothermal potential using integrated fuzzy logic and analytic hierarchy process (AHP) in Ağrı, Eastern Turkey

Wednesday, December 8, 2021 2:20 PM (20 minutes)

Presenters: ŞENER, ERHAN; ŞENER, ŞEHNAZ

Session Classification: Sesion III

Contribution ID: 14

Type: **not specified**

Numerical modeling of fluid flow and heat transfer in Kurşunlu geothermal field-KGF (Salihli, Manisa / Turkey)

Wednesday, December 8, 2021 2:40 PM (20 minutes)

Presenters: AKAR, ALİ TOYGAR; SOMAY ALTAŞ, ADİLE MELİS; TARCAN, GÜLTEKİN; TARCAN, GÜLTEKİN; GEMİCİ, ÜNSAL

Session Classification: Sesion III

Contribution ID: 15

Type: **not specified**

Hydrogeochemical and isotopic monitoring of the Kestanol geothermal field (Northwestern Turkey) and its relationship with seismic activity

Wednesday, December 8, 2021 3:00 PM (20 minutes)

Presenters: YÜCEL, DENİZ ŞANLIYÜKSEL; MARMARA, HARİKA; ÖZDEN, SÜHA

Session Classification: Sesion IV

Contribution ID: 16

Type: **not specified**

Use of geothermal resources in Konya plain project (KOP) region for tourism, health purposes, agricultural, industrial, and district heating

Wednesday, December 8, 2021 3:20 PM (20 minutes)

Presenters: ÇARIKCI, BARIŞ; KANDEMİR, AYŞE; ŞEN, FEZA; ÖZTÜRK, HASAN HÜSEYİN; AKMAZ, KEVSER; SEFA, MERVE

Session Classification: Sesion IV

Contribution ID: 17

Type: **not specified**

Lithium extraction from geothermal waters: a case study of Ömer-Gecek (Afyonkarahisar) Geothermal Area

Wednesday, December 8, 2021 3:40 PM (20 minutes)

Presenters: CAN, MUHAMMED FATİH; YILDIZ, AHMET; BAŞARAN, CAN; DEMİRKAPI, MÜ-FİT

Session Classification: Sesion IV

Contribution ID: 18

Type: **not specified**

Use of geothermal fluid for agricultural irrigation: Preliminary studies in Balçova - Narlıdere Geothermal Field (Turkey)

Wednesday, December 8, 2021 4:10 PM (20 minutes)

Presenters: MERİÇ, MEHMET KAMİL; BABA, ALPER; ÖZÇAKAL, EMRAH; ÇAKICI, HAKAN; KABAY, NALAN; BARLAS, NERİMAN TUBA; JARMA, YAKUBU ABDULLAHİ; KUKUL KURTTAŞ, YASEMİN SENEM

Session Classification: Sesion V

Contribution ID: 19

Type: **not specified**

Grey water footprint assessment of geothermal water

Wednesday, December 8, 2021 4:30 PM (20 minutes)

Presenters: YAPICIOĞLU, PELİN; YEŞİLNACAR, MEHMET İRFAN

Session Classification: Sesion V