

CURRICULUM VITAE GALIP YUCE



ADDRESS:

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DATE and PLACE of BIRTH: May 18, 1961 Ankara/TURKEY

AREA OF INTEREST: Hydrogeology, isotope hydrology, hydro-geochemistry, karst hydrogeology, groundwater contamination, groundwater prospecting and well construction, groundwater hydrodynamics, pumping tests, thermal and mineral waters, geothermal research, surface-groundwater interaction, gas geochemistry, radon.

EDUCATION: BSc. in Hydrogeology, (1984)
Hacettepe University, Department of Geological (Hydrogeological) Engineering,
Ankara, TURKEY.

MSc. in Hydrogeology, (1990). Title of theses: “Investigation of Groundwater Potential of Lamas (Limonlu) Karst Basin, İçel, TURKEY” Cukurova University, Department of Geological Engineering, Adana, TURKEY

PhD. in Hydrogeology, (1998). Title of Thesis: “Hydrogeological Investigation in Hatay-Erzin-Yeşilkent Basin and determination of the Watershed Area of Burnaz Spring”. Cukurova University, Department of Geological Engineering, Adana, TURKEY

EMPOYMENT HISTORY :

Position	Employeer	Time Period
Field Engineer	General Directorate of Mineral Research and Exploration of TURKEY (MTA), Thermal Waters and Hydrogeology Section, Ankara, TURKEY.	1984–1987
Field Engineer	6 th Regional Directorate of State Water Works (DSI), TURKEY, Geotechnical Services and Groundwater Section, Adana, TURKEY.	1987–1998
Field Engineer	General Directorate of State Water Works (DSI), TURKEY, Geotechnical Services and Groundwater Section, Ankara, TURKEY.	1998–2000
Assist. Prof. Dr. (Head of Applied Geology)	Eskisehir Osmangazi University (ESOGU), Faculty of Engineering and Architecture, Department of Geological Engineering, Applied Geology Division, Eskisehir, TURKEY.	2000-2007
Assoc. Prof. Dr. (Head of Applied Geology)	Eskisehir Osmangazi University (ESOGU), Faculty of Engineering and Architecture, Department of Geological Engineering, Applied Geology Division, Eskisehir, TURKEY.	2007-2013
Prof. Dr. (Head of Applied Geology)	Eskisehir Osmangazi University (ESOGU), Faculty of Engineering and Architecture, Department of Geological Engineering, Applied Geology Division, Eskisehir, TURKEY.	5/2013-11/2013
Prof. Dr.	Hacettepe University (HU), Faculty of Engineering, Department of Geological Engineering, Hydrogeology Division, Ankara, TURKEY.	11/2013-03/2021
Prof. Dr.	Hacettepe University (HU), Faculty of Engineering, Department of Geological Engineering, Hydrogeology Division, Ankara, TURKEY.	01/2022-

PROJECT EXPERIENCES:

Completed National Projects:

GD of Mineral Research and Exploration (MTA) of Turkey and State Hydraulic Works (DSI) Projects:

- 1) Geothermal Researches in Geothermal Area of Bogazliyan-Yozgat (Turkey), MTA project, 1987.
- 2) Hydrogeological Investigation of Hatay-İskenderun-Arsuz (Turkey), DSI Project, 1988.
- 3) Isotope hydrology of Icel-Lamas (Limonlu-Turkey) Karst basin - DSI-(United Nations Developing Project (UNDP), Project No:TUR/8/011, 1992.
- 4) Research and developing possibilities of Karst Springs in Antakya-Harbiye (Turkey), DSI Project, 1993.
- 5) Research and developing possibilities of Karst Springs in Ovacik Karst Basin (Icel-Turkey), DSI Project, 1997.

- 6) Determination of Aquifer Thermal Energy Storage Potential to Increase Energy Conservation and Feasibility Study for-Cukurova University Balcali Hospital (1997-1998), Project is supported by State Planning Organisation of Turkey (State Planning Organisation (DPT) Project No: 97K120710), (contributor person to the project on behalf of DSI).
- 7) Monitoring of Groundwater Quality in Adana Metropolitan City (Turkey), DSI Project, 1998.
- 8) Karst Hydrogeology of Yenisehir and Cudeyde (Hatay-Reyhanlı,Turkey) Springs. DSI Project, 1998 (Chief Executive).
- 9) Hydrogeological Investigation of Hatay-Amik Basin (Turkey) and Cope with Corrosion Problems in Wells owing to Corrosive Water in Shallow Aquifer, DSI Project, 1998.
- 10) Hydrogeological Investigation of Groundwater-Thermal Water Interaction using Isotope Hydrology in Niğde-Misli Basin (Turkey), DSI Project, 1999.

Projects supported by University and The Scientific and Technological Research Council of TURKEY (TUBITAK):

- 1) Monitoring and Evaluation of Groundwater-Surface Water Interactive Pollution in the Eskisehir Basin of Porsuk River Basin (Turkey), Project supported by University, Project No: 2001/28, 2002 (Project Manager).
- 2) Monitoring of Well Level Changes Triggered by Seismic Events: Eskisehir Pilot Project (Turkey), Project supported by University, Project No: 2003/15031, 2003-2008 (Project Manager).
- 3) Monitoring of Hydrochemistry in Groundwater-Thermal Water Triggered by Seismic Events: Eskisehir Pilot Project (Turkey), Project supported by University, Project No: 2003/15046, 2004-2008 (Project Manager).
- 4) Investigation of Water Resources in the Eskisehir Region by Means of Natural Radioactivity, Hydrogeochemistry, and its Environmental impacts. DSI-University Project, 2005-2007 (Chief Executive).
- 5) Investigation of hydrological and hydrogeological changes likely related to seismicity: Eskisehir monitoring stations, TUBITAK short-term project, project no: 109Y200, 15.04.2010-15.06.2011 (Project Manager).
- 6) Gas geochemistry studies of thermal waters around Bingol, Karliova and Pulumur (East Anatolian Fault Zone, Turkey), Firat University BAP Project, Project No: MF. 11.12, 05/2011-12/2012 (partner).

Completed International Projects:

- 1) Hydrogeological Investigation of Icel-Lamas (Limonlu) Karst Basin (Turkey) using Isotope Techniques, DSI-UNDP Project, Project No:TUR/8/011, 1992 (Chief Executive).
- 2) Real-Time Monitoring of Hydrological and Geochemical Parameters as Precursory of Earthquake: Pilot Project in Eskisehir Region, Turkey, TÜBİTAK- JÜLICH Project, Project No: 103Y171, 2004-2008 (Project Manager).
- 3) Assessment of Innovative Methods Used in Earthquake Prediction and Their Applicability in Turkey. LdV- Mobility Project, Project no: TR/05/A/F/EX1-0240, 2006-2007 (Executive).

- 4) Noble gas isotopic studies of CO₂ –rich waters in Australian sedimentary basins with a geothermal potential, ESOGU-SR Project, Project No: 2011/15022, 08/2011-02/2012 (Project Manager) *Project was also supported by QGECE, Australia.*
- 5) Determination of fault activity and geothermal origin by soil and groundwater degassing: The extension of Dead Sea Fault Zone (DSFZ) in the Amik Basin (Hatay) and its relation with Karasu Fault Zone and origin of thermal waters in Amik Basin, TUBITAK-COST Research Project in the frame of COST Action, Project No: 111Y090, 2012-2015 (Project Manager).
- 6) Application for soil and air measurements of geogenic gases (Biogeo-Mythology and geogenic CO₂ emissions at ancient, sacred places in Turkey), Applicant and leading scientists: Prof. Dr. Hardy Pfanz, Department of Applied Botany; Director of the Botanical Garden of the University of Duisburg-Essen. Faculty of Biology, Universität Duisburg-Essen, Universitätsstraße 5, 4511 Essen, Germany, Turkish coordinator: Prof. Dr. Galip Yuce, Hacettepe University, Engineering Faculty, Department of Geological Engineering, Hydrogeology Division, 06800, Beytepe, Ankara, Turkey, Italian coordinator: Prof. Dr. Francesco D`Andria, Universita Del Salento, Dipartimento di Beni Culturali, via Birago 64, Lecce, Italy, (2013-2015)
- 7) U-series dating and geochemical tracing of late Quaternary seismic cycles in Turkey: understanding the link among earthquakes and CO₂ eruptions, TÜBİTAK-2236 Co-Funded Brain Circulation Project, Project No: 114C031, Project Manager: Dr. İ. Tonguç Uysal, Consultant: Prof. Dr. Abidin Temel (2014-2016), (Project Researcher)
- 8) Impact of Fluid circulation in old oceanic Lithosphere on the seismicity of transform-type plate boundaries: new solutions for early seismic monitoring of major European Seismogenic zones (FLOWS), Coordinator: Dr. Christian Hensen (GEOMAR), ESSEM COST Action ES1301, Management Committee Member, 2013-2018.

Ongoing International Projects:

- 1) **UNESCO-IGP project:** Fluid geochemistry in seismotectonic zones: genesis model and its application to earthquake forecasting, (2021-2026).

Project Evaluation supported by European Union:

- 1) H2020- 2019 Project Evaluator.
- 2) EU-PRIMA Water 2019 Project Evaluator.

Project Consultancies of Ministry of Agriculture and Forestry and Ministry of Energy and Natural Resources

Completed

- 1) I was consultant as a non-key expert and deputy team leader in an EU project between 08.2016-12.2017, named as “Capacity Building Support to Turkey on Groundwater Management Project” with the Project Code: ALTUN/GWM/TR2012/0740.14-2/SER/002/001

Under the consultancy at EU Project (mainly related with the Integrated Water Management in the River Basins), following tasks were carried out in the frame of Water Framework Directive and Groundwater Directive (GWD) (2006/118/EC):

- Determination and characterization of groundwater bodies
- Criteria for assessments of good groundwater chemical status and good groundwater quantity and determination of threshold values
- Monitoring of groundwater quality
- Identification of significant and sustained upward
- Trends and determination of starting points for trend reversals
- Program of measures
- Determination of groundwater protected areas
- Inspections and sanctions

In this respect, designation of groundwater bodies, groundwater monitoring program, sampling and delivering the samples to the laboratories, in-situ measurements of chemical parameters of groundwater and GW levels, identification of dangerous substances, establishment of protection policy of groundwater against pollution and deterioration, characterization of groundwater bodies, pressure and impact analysis, risk assessment, determination of threshold and natural background values within the River Basins were examined.

- 2) I was consultant on the Project Code: EuropeAid/136659/IH/SER/TR with the titled as “Technical assistance on economic analyses within river basin management plans and water efficiency aspects in 3 pilot River Basins in Turkey” which is the main beneficiary is the General Directorate of Water Management, Turkey.
- 3) In 2021, I was involved in the 1st Water Council that organized by DG of Water Management and GD of State Hydraulic Works of Turkey within the scope of the preparation of Protection and Monitoring of Water Resources in Quality and Quantity, and Strategy/Policy and Actions reports.

Ongoing

- 1) Since the beginning of 2021, I contribute to the project titled as “Hydrogeological Survey of the Western Black Sea River Basin” as an independent consultant for the beneficiary, State Hydraulic Works of Turkey (DSI).
- 2) Academic Advisor (researcher) in the projects named as “Observation of the Active Faults Activities on which Cities are Settled” (30-14-02-2) and "Observation of Fault Activity of Yedisu (North Anatolian Fault) and Pazarcık (East Anatolian Fault) Seismic Gaps" (2022-30-14-02-3) carried out by the Ministry of Energy and Natural Resources, MTA General Directorate.

PUBLICATIONS:

Publications in Internationally Peer Reviewed Journals (SCI and SCI-Expanded)

-----2020-----

- 1) Mottese, A.M., Sabatino, G., Di Bella, M., Fede, M.R., Caridi, F., Parisi, F., Marcianò, G., Caccamo, M.T., Italiano, F., **Yuçe, G.**, Magazù, S., Dugo, G. 2020. Environmental screening for the assessment of potentially toxic elements in PGI soils from the Mediterranean Region (Italy and Turkey), *Environmental Earth Sciences*, vol:79, issue: 499, pp. 1-14, doi.org/10.1007/s12665-020-09245-3.
- 2) Yıldırım, G., Mutlu, H., Karabacak, V., Uysal, I.T, Dirik, K., Temel, A., **Yüçe, G.**, Zhao, J-X, 2020, Temporal changes in geochemical-isotopic systematics of the late Pleistocene Akkaya travertines (Turkey) - Implications for fluid flow circulation and seismicity, *Geochemistry*, Vol:80, issue: 4, 125630, pp. 1-16, doi.org/10.1016/j.chemer.2020.125630.
- 3) Uysal, T., Uysal, T., Ring, U., Unal-Imer, E., **Yuçe, G.**, Imer, A., Italiano, F., Zhao, J., Shulmeister, J. 2020. Comment on “Uranium series dating of Great Artesian Basin travertine deposits: Implications for palaeohydrogeology and palaeoclimate” by Priestley et al. (2018), comment paper, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 537, pp. 109421.

-----2019-----

- 4) Rizzo, A.L., Uysal, I.T, Mutlu, M., Unal-Imer, E., Dirik, K., **Yüçe, G.**, Caracausi, A., Italiano, F., Misseri, M., Temel, A., Bayari, S., Özyurt, N., Zhao, J. 2019. Geochemistry of fluid inclusions in travertines from Western and Northern Turkey: inferences on the role of active faults in fluids circulation, *Geochemistry, Geophysics, Geosystems*, Vol: 20, Issue:11, pp. 5473-5498.
- 5) Pfanz, H., **Yüçe, G.**, Gulbay, A.H., Gokgoz, A. 2019. Deadly CO₂ gases in the Plutonium of Hierapolis (Denizli, Turkey), *Archaeological and Anthropological Sciences*, Vol: 11, issue:4, pp. 1359-1371.

-----2018-----

- 6) Y. Wang, S. Zhang, and **G. Yuçe**. 2018. Gas geochemistry: From conventional to unconventional domains", *Marine and Petroleum Geology*, Vol: 89, Part 1, pp. 1-3.
- 7) D'Alessandro, W., **Yüçe, G.**, Italiano, F., Bellomo, S., Gülbay, A.H., Yasin, D.U., Gagliano, A.L. 2018. Large compositional differences in the gases released from the Kizildag ophiolitic body (Turkey): Evidences of prevailingly abiogenic origin, *Marine and Petroleum Geology*, Vol: 89, pp. 174-184.

-----2017-----

- 8) F. Italiano, **G. Yuce**, M. Di Bella, B. Rojay, G. Sabatino, A. Tripodo, M. Martelli, A.L. Rizzo, M. Misseri. 2017. Noble gases and rock geochemistry of alkaline intraplate volcanics from the Amik and Ceyhan-Osmaniye areas, se Turkey., *Chemical Geology*, Vol. 469, pp. 34-46.
- 9) **Yuce, G.**, Fu, C.C., D'Alessandro, W., Gulbay, A.H., Lai, C.W., Bellomo, S., Yang, T.F., Italiano, F., Walia, V. 2017. Geochemical characteristics of soil radon and carbon dioxide within the Dead Sea Fault and Karasu Fault in the Amik Basin (Hatay), Turkey, *Chemical Geology*, Vol. 469, pp. 129-146.
- 10) **Yuce, G.**, Italiano, F., Taskiran, L., Yasin, D., Gulbay, A.H. 2017. Assessment of the origin and geothermal potential of the thermal waters by hydro-isotope geochemistry: Eskisehir province, Turkey, *Isotopes and Environmental Health Studies*, Vol: 53, No: 2, pp. 198-211.

-----**2016**-----

- 11) Ring, U., Uysal, I.T., **Yüce, G.**, Ünal-İmer, E., Italiano, F., Imer, A., Zhao, J. 2016. Recent mantle degassing recorded by carbonic spring deposits along sinistral strike-slip faults, south-central Australia, *Earth and Planetary Science Letters* 454, 304-318.
- 12) Alptekin, C., **Yuce, G.** 2016. Observations of excess heavy metal concentrations in water resources to infer surface water influences on shallow groundwater: A typical example of the Porsuk River (Eskisehir-Turkey), *Water Resources*, Vol. 43, No. 1, pp. 184-199.

-----**2015**-----

- 13) Ezgi Ünal-İmer, James Shulmeister, Jian-Xin Zhao, I. Tonguç Uysal, Yue-Xing Feng, Ai Duc Nguyen, **Galip Yüce**. 2015. An 80 kyr-long continuous speleothem record from Dim Cave, SW Turkey with paleoclimatic implications for the Eastern Mediterranean, *Scientific Reports* 5, Article number: 13560, doi:10.1038/srep13560.

-----**2014**-----

- 14) **Yuce G.**, Italiano F., D'Alessandro W., Yalcin T.H., Yasin D.U., Gulbay A.H., Ozyurt N.N., Rojay B., Karabacak V., Bellomo S., Brusca L., Yang T., Fu C.C., Lai C.W., Ozacar, A., Walia, V. 2014. Origin and interactions of fluids circulating over the Amik Basin (Hatay-Turkey) and relationships with the hydrologic, geologic and tectonic settings, *Chemical Geology*, *Chemical Geology*, 388, 23-39.
- 15) Italiano, F., **Yuce, G.**, Uysal, I.T., Gasparon, M., Morelli, G. 2014. Insights into mantle-type volatiles contribution from the dissolved gases in artesian waters of the Great Artesian Basin, Australia, *Chemical Geology*, 378-379, 75-88.

-----**2013**-----

- 16) **Yuce, G.**, Taskiran, L. 2013. Isotope and chemical compositions of thermal fluids at Tekman Geothermal Area (Eastern Turkey), *Geochemical Journal*, Vol. 47 (No. 4), pp. 423-435.

- 17) **Yuce, G.**, Alptekin, C. 2013. In-situ and laboratory treatment tests for lowering of excess manganese and iron in drinking water sourced from river-groundwater interaction, *Environmental Earth Sciences*, Vol: 70, issue: 6, pp. 2827-2837, DOI: 10.1007/s12665-013-2343-x.
- 18) Italiano F., Sasmaz, A., **Yuce, G.**, Okan, O.O. 2013. Thermal fluids along the East Anatolian Fault Zone (EAFZ): Geochemical features and relationships with the tectonic setting. *Chemical Geology*, 339, 103-114.
- 19) **Yuce, G.**, Gasparon, M. 2013. Preliminary Risk Assessment of Radon in Groundwater: A case study from Eskisehir, Turkey, *Isotopes in Environmental & Health Studies*, Vol: 49, Issue: 2, pp. 163-179.

-----**2012**-----

- 20) **Yuce, G.**, Yasin, U. D., 2012. Assessment of an increase in boron and arsenic concentrations at the discharge area of Na-borate mine, (Kirka-Eskisehir, TURKEY), *Terrestrial, Atmospheric and Oceanic Sciences*, Vol: 23, no: 6, pp. 703-723.

-----**2010**-----

- 21) **Yuce, G.**, Ugurluoglu, Y.D., Nadar, N., Yalcin, H.T., Yaltirak, C., Streil, T., Oeser, V. 2010. Monitoring of earthquake precursors by multi-parameter stations in Eskisehir Region (Turkey), *Applied Geochemistry*, Vol: 25, no: 4, pp. 572 – 579.

-----**2009**-----

- 22) **Yuce, G.**, Ugurluoglu, D., Dilaver, A. T., Eser, T., Sayin, M., Donmez, M., Ozcelik, S., Aydin, F. 2009. The effects of lithology on water pollution: Natural radioactivity and trace elements in water resources of Eskisehir Region (Turkey), *Journal of Water, Air and Soil Pollution*, Vol: 202, No:1-4, pp. 69-89.
- 23) Baba, A., **Yuce, G.**, Deniz, O., Ugurluoglu, Y.D. 2009. Hydrochemical and Isotopic Composition of Tuzla Geothermal Field (Canakkale-Turkey) and Its Environmental Impacts, *Environmental Forensics*, Vol: 10, Issue:2, pp. 144 – 161. Taylor and Francis.

-----**2007**-----

- 24) **Yuce, G.** 2007. Spatial Distribution of Groundwater Pollution in the Porsuk River Basin (PRB), Turkey, *Int. J. Environment and Pollution*, Vol: 30, Nos. 3/4, pp. 529-547. Inderscience Enterprises Ltd.
- 25) **Yuce, G.** 2007. A Geochemical Study of the Groundwater in the Misli Basin and Environmental Implications, *Environmental Geology*, Vol: 51, Number:5, pp. 857 -868. Springer-Verlag GmbH.

-----2005-----

- 26) **Yuçe, G.**, Pinarbasi, A., Ozcelik, S., Ugurluoglu, D. 2005. Soil and Water Pollution Derived from Anthropogenic Activities in the Porsuk River Basin, Turkey, Environmental Geology, Vol: 49, Number: 3, pp. 359-375. Springer-Verlag GmbH.
- 27) **Yuçe, G.** 2005. Determination of the Recharge Area and Salinization Degree of Karst Springs in the Lamas Basin (Turkey). Isotopes in Environmental and Health Studies, Vol: 41, No: 4, pp. 391-404. Taylor & Francis.
- 28) Yaltirak, C. Yalcin, T., **Yuçe, G.**, Bozkurtoglu, E. 2005. Water Level Changes In Shallow Wells Before And After The 1999 Izmit And Düzce Earthquakes And Comparison With Long Term Water Level Observations (1999-2004), NW Turkey. Turkish Journal of Earth Sciences, Vol: 14, issue: 3, pp. 1-29.

-----2004-----

- 29) **Yuçe, G.**, Arzu, P., Sakir, O. and Didem, U. 2004. The pollution of water resources in the Eskisehir region within the Porsuk River basin, Turkey. Environmental Engineering and Management Journal, 3(3): 323-343.

-----2003-----

- 30) **Yuçe, G.**, Ugurluoglu, D. 2003 Earthquake Dates and Water Level Changes in Wells in the Eskisehir Region, Turkey (Technical Note), Hydrology and Earth System Sciences, Vol:7 (5), pp. 777-781.

Invited Speaker at the International Universities

- 1) **Yuçe, G.** 2012. Determination of fault activity and geothermal origin by soil and groundwater degassing: the extension of Dead Sea Fault Zone (DSFZ) in the Amik Basin (Hatay) and its relation with Karasu Fault Zone (KFZ) and origin of thermal waters in Amik Basin, INGV, Palermo, Sicily, Italy.
- 2) **Yuçe, G.** 2011. Monitoring of hydrochemical and gas flux variations of groundwater, (Eskisehir, TURKEY) and possible relations with micro-earthquakes, 28 January 2011, invited speaker, School of Earth Sciences, The University of Queensland, QLD, Australia.
- 3) **Yuçe, G.** 2010. Hydrochemical and isotopic composition of Tuzla Geothermal Field (Gallipoli-Turkey) and its environmental impacts, 15 January, 2010, invited speaker, National Taiwan University, Taiwan.
- 4) **Yuçe, G.** 2009. Monitoring of hydrochemical and gas flux variations of groundwater around Eskisehir Region (TURKEY) and possible relations with micro-earthquakes, 11 December, 2009, invited speaker, National Taiwan University, Taiwan.

Oral Presentations in International Conferences/Symposiums

- 1) **Yuce G.**, D'Alessandro, W., Italiano, F., Bellomo, S., Gulbay, A.H., Yasin, D. 2019. Assessment of gas and water chemistry of Kizildag and Erzin ophiolites (Hatay/Turkey) for geothermal potential, ICGG15 International Conference on Gas Geochemistry, Edited by F. Italiano, C.G. Caruso, R. Celi. Misc. INGV, 49: 1338, p. 299, ISSN 1590-2595, 29 Sep-05 Oct 2019, Palermo/Milazzo, ITALY.
- 2) Dirik, R.K., Aydoğdu, İ., Uysal, I.T., Ünal-İmer E., Mutlu, M., **Yüce, G.**, Karabacak, V., Temel, A. 2018. The Importance of Uranium-Series Dating For Investigation of the Late Quaternary Paleosismicity: Çermik-Reşadiye Fissure-Ridge Travertine (Kelkit Segment of North Anatolian Fault System-TURKEY), Vol.20, EGU2018-12132, European Geosciences Union General Assembly 2018, 08-13 April 2018, Vienna, AUSTRIA.
- 3) **Yuce G.**, Ring, U., Uysal, I. T., Italiano F. 2017. Is Australia a stable or moving continent? Recent findings in Eastern and South-central Australia (invited talk). ICGG14 International Conference on Gas Geochemistry, Book of Abstracts, 24 Sep-01 Oct 2017, pp. 108-109, Wroclaw, POLAND.
- 4) Rizzo, A. L., Dirik, K., Uysal, I.T., Caracausi, A., Italiano, F., Misseri, M., **Yuce, G.**, Mutlu, H., Unal-Imer, E., Temel, A., Bayari, C., Ozyurt, N. 2017. Chemical and isotope composition of fluids related to travertine formation in Western and Central Turkey: inferences on the role of tectonics in fluid circulation. ICGG14 International Conference on Gas Geochemistry, 24 Sep-01 Oct 2017, Book of Abstracts, pp.96-98, Wroclaw, POLAND.
- 5) Pfanz, H., **Yuce, G.** 2017. Mofettes as ancient gates to hell. ICGG14 International Conference on Gas Geochemistry, 24 Sep-01 Oct 2017, Book of Abstracts, pp.136-137, Wroclaw, POLAND.
- 6) **Yüce, G.**, Pfanz, H., Gülbay, A.H., Gökgöz A., D'Andria, F. 2016. High CO₂ and radon degassing along the fault/fracture zones in UNESCO World Heritage Site: Hierapolis (Pamukkale), Turkey, 5th International Geo-hazards Research Symposium, Abstract Book, p. 34, 17-20 October 2016, Taipei, TAIWAN.
- 7) **Yuce G.**, D'Alessandro W., Italiano F., Bellomo S., Yasin, D. Gülbay, A.H. 2016. Characteristics of the gases and waters issuing from the Kizildag and Erzin ophiolites (Hatay/Turkey): Comparison with the remnants of the peri-Arabian Ophiolitic Belt including Semail ophiolite, International Water Conference, Abstract book, 13-16 March 2016, SQU, OMAN, 165-166.
- 8) Yasin, D., **Yüce, G.**, Taşkıran, L. 2016. Applications Geothermometers for Selected Thermal Waters from Hatay and Eskisehir Region, Turkey, 2nd International Congress on Natural and Engineering Sciences, Abstract book, s. 10, September 01-05, 2016, Skopje, MACEDONIA.
- 9) D'Alessandro W., **Yuce G.**, Italiano F., Bellomo S., Gulbay A.H. 2015. Geochemical characterization of the fluids circulating in the Kizildag ophiolitic body (Turkey),

Congresso SIMP-SGI-So.Ge.I-AIV 2015, Rend. Online Soc. Geol. It., Suppl. n. 2 al Vol. 35, p. 64.

- 10) **Yuce G.**, D'Alessandro, W., Italiano F., Bellomo, S., Gülbay, A.H. 2015. Present-day Serpentinisation Processes in the Kizildag Ophiolitic Body (Turkey): Insight from Gas Geochemistry. ICGG13 International Conference on Gas Geochemistry, 24-28 August 2015, p. 80-81, Chengdu, CHINA.
- 11) Italiano, F., **Yuce, G.**, Di Bella, M., Martelli, M., Misseri, M., Rizzo, A., Sabatino, G., Tripodo, A. 2015. Mantle Degassing and Vulcanites from the Hatay Basin (SE Turkey): Geodynamic Constrains from Helium Isotopes and Petrological Data, ICGG13 International Conference on Gas Geochemistry, 24-28 August 2015, p.82-83, Chengdu, CHINA.
- 12) **Yuce, G.**, Italiano, F., Taskiran, L., Yasin, D., Gulbay, A. 2015. Hydrogeochemical Characteristics of Low-Enthalpy Geothermal Waters from Eskisehir Province (Turkey), Proceedings World Geothermal Congress 2015, Record: 14074, 19-25 April 2015, Melbourne, AUSTRALIA.
- 13) Yasin, D.U., **Yuce, G.**, Adar, N., Yalcin, H.T. 2013. Statistical assessment of long-term hydrochemical changes in groundwater related with seismic events, ICGG12, International Conference on Gas Geochemistry, 01-07 Sep 2013, p. 38, Patras, GREECE.
- 14) **Yuce G.**, Italiano F., D'Alessandro W., Yalcin T.H., Yasin D.U., Gulbay A. H., Ozyurt N. N., Rojay B., Karabacak V., Bellomo S., Brusca L., Yang T., Fu C.C., Lai C.W. 2013. The origin of the fluids circulating over the Amik Basin (Turkey) and their relationships with the Dead Sea Fault, ICGG12, International Conference on Gas Geochemistry, 01-07 Sep 2013, p.39, Patras, GREECE.
- 15) Okan, O., Italiano, F., **Yuce, G.**, Sasmaz, A. 2013. Hydrogeochemistry of thermomineral waters discharge along the two segments of East Anatolian Fault Zone (Turkey), ICGG12, International Conference on Gas Geochemistry, 01-07 Sep 2013, p. 25, Patras, GREECE.
- 16) Uysal, I. T., Siegel, C., **Yuce, G.**, & Italiano, F. 2012. Great Artesian Basin Heat Source Characterisation in the Light of Recent Helium Isotope Studies. In C. R. Huddleston-Holmes & E. Gerner (Eds.), Australian Geothermal Energy Conference, Record 2012/73 (pp. 207–209). Sydney: Geoscience Australia.
- 17) **Yuce, G.**, Taşkıran, L. 2011. Hydrochemical and isotopic properties of geothermal fluids in a tectonically active (Bingol-Erzurum) Province, Eastern Anatolia (TURKEY), Australian Geothermal Energy Conference (AGEC) 2011, the Proceedings volume of the 2011 Australian Geothermal Energy Conference, 16-18 November, p. 301-302, Sebel Albert Park, Melbourne, AUSTRALIA.
- 18) Italiano, F., **Yuce, G.**, Uysal, I.T., Gasparon, M. 2011. Noble gas isotopic studies of CO₂ –rich waters in Australian sedimentary basins with a geothermal energy potential. ICGG11, International Conference on Gas Geochemistry, 29 Nov-02 Dec 2011, p. 67-68, La Jolla, California, USA.

- 19) **Yuçe, G.**, Yasin, U. D., Ak, E. 2009. Radon in water supplies associated with source-rock lithology in Eskisehir Region (Turkey), ICGG10 International Gas Geochemistry Conference, 14-21 September 2009, p. 119, Cluj-Napoca, ROMANIA.
- 20) **Yuçe, G.**, Streil, T., Nadar, N., Yalcin, T., Yaltirak, C., Oeser, V., Ugurluoglu, Y.D. 2007. Multi parameter Hydrogeological Monitoring in Eskisehir region (Turkey) to analyze any precursors derived from earthquakes, ICGG9 International Gas Geochemistry Conference, 01-08 October 2007, pp.32-33, Taipei, TAIWAN.
- 21) **Yuçe, G.**, Sayın, M., Ugurluoglu, D., Donmez, M., Eser, T., Dilaver, T.A., Aydın, F., Ozcelik, S. 2007. Natural Contamination in groundwater and its impact on environment: a case study in Eskisehir and Kutahya Region, Turkey, XXXV IAH Congress-Groundwater and Ecosystems, 17-21 September 2007, pp.261-263, Lisbon, PORTUGAL.
- 22) **Yuçe, G.** Ugurluoglu, D., Adar, N., Yalcin, T., Yaltirak, C., Eser, T., Azdiken S., Ozcelik Ş. 2006. A Possible Relationship between Seismic Events and Hydrogeological Properties: A Case Study in the Eskisehir Region, Turkey, International Scientific Conference on the Abiotic Environment – Evaluation of Changes and Hazards – Case Studies, 16-17 October 2006, p.61, Warsaw, POLAND.
- 23) **Yuçe, G.** 2006. The Vulnerability of Groundwater Dependent Ecosystems: A Study on the Porsuk River Basin (Turkey) As A Typical Example. In: A. Baba et. al. (eds.), Nato Advanced Research Workshop, Groundwater and Ecosystems 5-7 September 2005, Canakkale, TURKEY (invited speaker), NATO Science Series IV, Vol. 227, pp. 295-310, Springer.
- 24) **Yuçe, G.** Ugurluoglu, D., Yalcin, T., Bozkurtoglu, E., Ozcelik Ş., Eser, T., Azdiken S. 2005. Monitoring Possible Earthquake-Induced Changes in Groundwater Level and Hydrochemical Properties in the Eskisehir Region, Turkey. 4th Dresden Symposium, Survey of Geo-Hazards 26-30 September 2005, p. 35, Dresden, GERMANY.
- 25) **Yuçe, G.**, 2004. The Pollution of Water Resources In The Eskisehir Region Within The Porsuk River Basin, Turkey, 2nd International Conference in Environmental Engineering and Management, ICEEM/02, September 23-26, pp.323-343. Iasi, ROMANIA.
- 26) **Yuçe, G.**, Gorduk, S. and Kuran, U. Correlation of Earthquake Dates and Water Level Changes in Wells: Observations from the Eskişehir Vicinity, Turkey. 2002. International Workshop on Seismic Analysis and Earthquake Hazard Assessment In The Mediterranean Region- Reducing Earthquake Losses in the Eastern Mediterranean Region (RELEMR), December 10-15, Antakya, TURKEY.
- 27) Onhon, E., Sayin, M., Basaran, N., Can, D., **Yüçe, G.**, Pelen, N., Kaplan, A. 1996. Research on the groundwater flow dynamics of Lamas Basin by isotope methods, Isotope field applications for groundwater studies in the Middle East, Proceedings of the final co-ordination meeting of a regional technical co-operation project held in Ankara, Turkey, 21-25 November 1994, IAEA-TECDOC-890, pp. 233-248, ISSN 1011-4289.

- 28) **Yuce, G.**, Pelen, N., Önhon, E., Nazik, M., Karaoğullarından, T., Başaran, N. 1995. Karst Groundwater Studies in Lamas River Region (Limonlu- Erdemli-İçel), Turkey, International Syposium and Field Seminar on Karst Waters and Environmental Impacts, pp. 44–46, Antalya, TURKEY.

Publications in Nationally Peer Reviewed Journals

- 1) Gunes, C.B., **Yuce G.** 2011. Comparison of Permeability Coefficients Calculated on the Basis of Grain Size Analyses: Meselik and Tepebasi (Eskisehir) Examples, Geological Engineering Journal, Vol.35, No: 1, pp. 1-26, ISSN 1016-9172, Ankara, TURKEY.
- 2) **Yuce, G.** 2007. Discharge Hydrodynamics Of Yenisehir and Cudeyde (Reyhanli – Hatay) Karst Springs and Hydrogeochemical Properties, Journal of Architecture-Engineering Faculty of Eskisehir Osmangazi University, Volume:XX, Number:2, pp. 159-187,ISSN:1301-045X.
- 3) **Yuce G.** 2001. Hydrogeologic characteristics of Hatay-Erzin Plain and Burnaz Spring. Geological Engineering Journal, Vol.25, No: 2, pp. 21-46, Ankara, TURKEY.
- 4) **Yuce, G.**, Demirkol, C. 1990. Groundwater Potential in the Lamas Karst Basin (Limonlu-Erdemli/Turkey), Journal of Faculty of Engineering and Architecture, Publications of Cukurova University Vol: 5, No:1, pp. 91–117, TURKEY.

Papers presented in National Conferences/Symposiums/Workshops

- 1) Çiçek, A., Kılınç, O., Baba, A., Yıldız, A., **Yüce, G.** 2022. Geological and Hydrogeochemical Data on the Geothermal Potential of the area between Sur, Çınar and Bismil (Diyarbakır), 5th Geothermal Resources and Natural Mineral Waters Symposium, Online, Abstracts Book, 17-18 March 2022, Ankara.
- 2) Çiçek, A., Akar, M., **Yüce, G.**, Yıldız, A. 2022. Lithium, Boron and Silicate Potential of Geothermal and Mineral Waters in Büyük Menderes Graben, Western Turkey, 74th Geological Congress of Turkey, Abstracts Book, 11-15 April 2022, MTA, Ankara.
- 3) Uğursal, Y.O., **Yüce, G.** 2022. Possible Solutions for Reducing of Drought and Flood Disasters on Groundwater Resources: A Case Study for Eastern Mediterranean Basin, 74th Geological Congress of Turkey, Abstracts Book, 11-15 April 2022, MTA, Ankara.
- 4) **Yuce, G.** 2021. The importance of gas geochemistry in Enhanced Geothermal Systems. Workshop on the Advance Technology Geothermal Systems, MTA, 18-19 November 2021, Aydın/Turkey. Youtube: <https://youtu.be/KLhRIPKklt8>.
- 5) Gedik, D., **Yüce, G.**, Ertunç, G., Çakmak, Ö., Özbek, A.K., Gürbüz, Y., Günhan, Ö. 2021. The Reasons of High Nitrate Concentrations in the Porsuk Basin and the importance of determination of Nitrate Vulnerable Zones in terms of sustainability of water resources, 73rd Geological Congress of Turkey Geological Turkey, Proceedings of Abstracts and Extended Abstracts, Publication No: 143 of Chamber of Geological

Engineers of Turkey, 24-28 May 2021 (Online), pages: 416-417, ISBN: 78-625-7653-17-6.

- 6) Dirik, R.K., Aydođdu, İ., Uysal, I.T., Ünal-İmer E., Mutlu, M., **Yüce, G.**, Karabacak, V., Temel, A. 2018. Determination of the Late Quaternary Paleosismicity using Uranium-Series dating and Isotope studies: Çermik-Reşadiye Fissure-Ridge Travertine (Kelkit Segment of North Anatolian Fault System-TURKEY), Proceedings of 71th Geological Congress of Turkey, pp. 665-666, 23-27 April 2018, Ankara, Turkey.
- 7) Yıldırım, G., Mutlu H., Dirik, R.K., Uysal, T., **Yüce, G.** 2018. The investigation of evidences of seismic Activities on travertine deposits using Geochronologic, radiometric–stable isotopic and Geochemical methods: a case study for Akkaya Travertines (Eskipazar–Karabük), Proceedings of 71th Geological Congress of Turkey, pp. 385-386, 23-27 April 2018, Ankara, Turkey.
- 8) Durutürk, B., Dirik, R.K., Ünal-İmer, E., Uysal, İ.T., Mutlu, H., **Yüce, G.**, Temel, A. 2018. New evidences about carbonate vein and calcite fiber outcrops between Kaş-Kalkan (Antalya, Turkey), Quaternary Symposium of Turkey, Abstract Book, ITU, Avrasiyan Earth Sciences Institute, İstanbul, pp. 115-116.
- 9) Mutlu, H., Dirik, K., Uysal, T., **Yüce, G.**, Bayarı, S., Özyurt, N.N., Temel, A., Seyitođlu, G., Ünal-İmer, E., Aydođdu, İ., Yıldırım, G., Durutürk, B. 2017. Radiometric, stable isotopic, geochemical and noble gas signals from the active fault zones in Anatolia, Proceedings of 70th Geological Congress of Turkey, pp. 312-313, 10-14 April 2017, Ankara, Turkey.
- 10) **Yüce, G.**, Pfanz, H., Gulbay, A.H., Gokgoz, A., D`Andria. 2016. Origin of the toxic gases in the Temples of Hierapolis, 7th Geochemistry Symposium with International Participation, Abstract Book, pp. 167-168, 16-18 May 2016, Side, Antalya, TURKEY.
- 11) **Yüce, G.**, Italiano F., D`Alessandro, W., Yasin, D., Gülbay, A.H. Bellomo, S., 2016. Comparison of geochemical and isotopic characteristics of low-temperature mineral waters from the Kızldađ vs. Erzin ophiolites (Hatay) and the evaluation of their geothermal potentials, 69th Geological Congress of Turkey, Abstracts Book, 11-15 April 2016, MTA, pp. 174-175, Ankara, TURKEY.
- 12) **Yüce, G.**, Yasin, D., D`Alessandro, W., Italiano F., Bellomo, S., Gülbay, A.H. 2015. Hydrochemical properties of high alkaline (pH≥9) thermal water and its evaluation in Kizildag (Hatay) ophiolites, 2nd Medical Geology Symposium, Abstracts, 12-15 Nov 2015, p. 33-34, Konya, TURKEY.
- 13) Yasin, D., **Yüce, G.**, Gülbay, A.H., Çelikaş, O. 2015. Hydrochemical properties of low temperature thermal waters and its evaluation in Amik (Hatay) Basin, 2nd Medical Geology Symposium, Abstracts, 12-15 Nov 2015, p. 35-36, Konya, TURKEY.
- 14) **Yuce, G.**, Gasparon, M. 2013. Origin of radon in groundwater and risk assessment (Eskisehir), 2. Medical Geology Workshop, Abstract Book, ss. 278-279, 4-6 Dec 2013, Akdeniz University, Antalya, Turkey.

- 15) **Yuçe G.**, Italiano F., D'Alessandro W., Yalcin T.H., Yasin D.U., Gulbay A. H., Ozyurt N. N., Rojay B., Karabacak V., Bellomo S., Brusca L., Yang T., Fu C.C., Lai C.W. 2013. Geochemistry of Dissolved and Free Gas in Amik Basin (Hatay) and its relationship with Tectonics, 2nd Turkish Earthquake Engineering and Seismological Conference, 25-27 Sep 2013, p. 95, MKU-Antakya, Hatay, Turkey.
- 16) **Yuçe, G.**, Italiano, F., Yalcin, T. H., Uysal, T., Yang, F., Ching-Chou, F., Rojay, B., Karabacak, V., Alessandro W.G.C, Bellomo, S., Morelli, G., Gasparon, M., Chun-wei, L., Gulbay, A.H., Yasin, D., Ozacar, A., Walia, V., Ozyurt, N., Erdoğan, A., Koca, B. 2012. Gas geochemistry studies on exploration of geothermal resources: case studies of Great Artesian Basin (Australia) and Amik Basin (Hatay-TURKEY), Geothermal Symposium in Turkey, 8-9 Nov. ITU, Maslak-Istanbul, Turkey.
- 17) **Yuçe, G.**, Italiano, F., Uysal, I.T., Gasparon, M., Morelli, G. 2012. Examination of hydrochemical and gas composition in geothermal waters of Cooper and Galilee Basins (GAB, Australia), Proceedings of 65th Geological Congress of Turkey, 02-06 April 2012, pp. 110-111, Ankara, Turkey.
- 18) **Yuçe, G.**, Taskiran, L., 2010. Hydrogeochemical Properties of Thermal Springs In Southwest of Tekman (Erzurum), IV. National Geochemistry Symposium Proceedings, pp.131-133, 26-28 May 2010, Elazığ.
- 19) Taskiran, L., **Yuçe, G.** 2010. Geothermal Potential of Erzurum-Bingöl Area: Tekman Geothermal Area, IV. National Geochemistry Symposium Proceedings, pp.117-119, 26-28 May 2010, Elazığ.
- 20) **Yuçe, G.**, Yasin, U. D., Ak, E., Say, T. 2009. Determination of Radon Concentration in Water Resources Around Beylikova-Kaymaz-Pyhrigian Valley (Eskisehir-Turkey) and its Risk Assessment for Human Health, Proceedings of 62th Geological Congress of Turkey, 13-17 April 2009, pp. 530-531. Ankara, Turkey.
- 21) **Yuçe, G.**, Yalcin, T., Adar, N., Yaltirak, C., Yasin, U.D. 2009. Observed Variations Between Gas Discharges from Ground Waters and Meteorological Effects in the Eskisehir Region, Proceedings of 62th Geological Congress of Turkey, 13-17 April 2009, pp. 756-757. Ankara, Turkey.
- 22) **Yuçe, G.**, Ozcelik, S., Yasin, U. D. 2008. Causes and Time Variations in the Contamination of Surface and Groundwater in the Eskisehir Plain (Downstream of the Porsuk Basin-Turkey), National Symposium on Groundwater and its shortage at Konya-Closed Basin (Turkey), Extended Abstract Book, 11-12 September 2008, Konya, Turkey.
- 23) Baba, A., **Yuçe, G.**, Deniz, O., Yasin, D., Ozcan, H. 2008. Environmental Effects of Uncontrolled Discharge of Hypersaline Thermal Waters: Tuzla Geothermal Case, Abstracts Book of 61th Geological Congress of Turkey, 24-28 Mach 2008, pp. 19-21, Ankara, Turkey.

- 24) **Yuçe, G.**, Sayin, M., Eser, T., Dilaver, A. T., Ozcelik, S., Aydin, F., Donmez, M., Yasin, D.U., 2008. Environmental Effects of Natural Radioactivity and Trace Elements in Groundwater of Eskisehir Region, The book of Medical Geology Symposium with International Participation, 06-09 February 2008, pp. 154-156, Ankara, Turkey.
- 25) **Yuçe, G.**, Sayin, M., Eser, T., Dilaver, A. T., Ozcelik, S., Aydin, F., Donmez, M., Yasin, D.U., 2007. The Relationship Between Geological Structure and Natural Radioactivity Levels in Water Resources around Eskisehir, Proceedings of 60th Geological Congress of Turkey, 16-22 April 2007, pp. 101-104. Ankara, Turkey.
- 26) Ugurluoglu, D., **Yuçe, G.** 2005. The Effects of Boron Deposit in Kirka-Eskişehir Region on the Boron Content of the Surface and Groundwater, and its variations in time, 58th Geological Congress of Turkey, Abstract book, pp.227-228, TURKEY.
- 27) **Yuçe, G.**, Uğurluoğlu, D., Yalçın, T., Bozkurtoğlu, E., Özçelik Ş., Eser, T., Azdiken S. 2005. Observation of the Changes in Hydrological and Chemical Variations of Groundwater on Earthquake Forecasting Studies: Evaluation of Preliminary Results at the Project in Eskisehir Vicinity, 2nd National Symposium of Isotope Techniques in Hydrology, pp. 75-87, Izmir, Turkey.
- 28) **Yuçe, G.** 2005. Examination of the Impacts on Groundwater Quality of Thermal Waters in the Misli Basin, 2nd National Symposium of Isotope Techniques in Hydrology, pp. 59-73, Izmir, Turkey.
- 29) Yaltrak, C., **Yuçe, G.**, Yalçın, T., Bozkurtoğlu, E. 2005. An example to the Fault Kinematics in Relationships with Preseismic Changes in Shallow Wells; Observations in Eskisehir between 1999-2004, Active Tectonics Research Groups (ATAG) Workshop-9, pp. 21-22, Sivas, Turkey.
- 30) **Yuçe, G.**, Pinarbasi A. and Ozcelik S. 2002. Investigation of the groundwater contamination in Eskisehir Plain. In Proceedings of the 55th Geological Congress of Turkey, pp. 324-325, Ankara, TURKEY.
- 31) **Yuçe, G.** 2001. Investigation of the origin of the Burnaz Spring using hydrochemical data, CEVJEO-2001, Groundwater and Environment Symposium, 21-23 March 2001, İzmir, TURKEY.
- 32) **Yuçe, G.**, Kuran, U., Gördük, S. 2001. Investigation of the link between Groundwater Level Changes and Earthquakes: Observations in Eskisehir Vicinity, Active Tectonics Research Groups (ATAG) Workshop-5, pp. 37-38, Ankara, Turkey

Book Chapters

- 1) Pfan, H., **Yuçe, G.**, D'Alessandro, W., Pfan, B., Manetas, Y., Papatheodorou, G., Raschi, A. 2018. The Gates to Hell in Antiquity and Their Relation to Geogenic CO₂ Emissions, Chapter: CH013, Editor: Philip Wexler, Book: History of Toxicology and Environmental Health, Toxicology in Antiquity, 2nd Edition, ISBN: 978-0-12-815339-0, pp. 185-219, Elsevier.

- 2) Pfan­z, H., **Yüce, G.**, D'Andria, F., D'Alessandro, W., Pfan­z, B., Manetas, Y., Papatheodorou, G. 2014. The Ancient Gates to Hell and Their Relevance to Geogenic CO₂, Chapter: CH011, Editor: Philip Wexler, Book: History of Toxicology and Environmental Health, Toxicology in Antiquity, Volume I, ISBN: 978-0-12-800045-8, Elsevier.

Poster presented in International Conferences/Symposiums

- 1) Ganguly, S., Lopik, J.H., Schotting, R.J., **Yu­ce, G.** 2018. Mathematical model of Fast High Volume Infiltration into Subsurface, Computational Methods in Water Resources (CMWR2018) Bridging Gaps Between Data, Model, and Predictions, Abstract 430, Session. 11, 3-7 June 2018, Saint Malo, FRANCE.
- 2) Yasin, D., **Yu­ce, G.**, Gülbay, A.H. 2016. Are Groundwater Level Changes Might be Linked With Kutahya and Eskisehir Earthquakes? EGU General Assembly 2016, Geophysical Research Abstracts, Vol. 18, EGU-2016-8383, Vienna, Austria.
- 3) Yasin, D., Gülbay, A.H., **Yu­ce, G.**, Durgut, A., Oruç, C. 2016. Variations in Rn and CO₂ Soil Gas Concentrations in Karabayır (Eskisehir-Turkey) and Their Correlations With Earthquakes, EGU General Assembly 2016, Geophysical Research Abstracts, Vol. 18, EGU-2016-8240, Vienna, Austria.
- 4) Quatrini, P., Tagliavia, M., Gagliano, A.L., **Yüce, G.**, D'Alessandro, W., 2016. Profiling microbial communities in hyperalkaline waters of the Kizildag ophiolite complex (Turkey). Abstract Book, P1.19, p. 45-46, XIV. Congress of the Italian Federation of Life Sciences (FISV) Rome, Italy 20-23 September 2016.
- 5) Italiano F., **Yu­ce G.**, Di Bella M, Martelli M., Misseri M., Rizzo A, Sabatino G., Tripodo A. 2015. Mantle Degassing and Vulcanites from the Hatay Basin (SE Turkey): Geodynamic Constrations from Helium Isotopes and Petrologic Data. ICGG13 International Conference on Gas Geochemistry, 24-28 August 2015, p. 82-83, Chengdu, CHINA.
- 6) D'Alessandro W., **Yu­ce G.**, Italiano F., Bellomo S., Gulbay A.H. 2015. Characterization of the biotic and abiotic processes that control the geochemistry of the fluids circulating in the Kizildag ophiolitic body (Turkey). Deep Carbon Observatory – Second International Science Meeting 26-28 March 2015, Munich, Germany.
- 7) Gülbay, A.H., Yasin, D., **Yüce, G.** 2014. Fault delineation research based on Rn and CO₂ measurements in the soil: An example for Eskisehir—Karabayır, International Symposium on Eastern Mediterranean Geology (ISEMG 2014), Proceedings Book, 13-17 October, 2014, Mugla, Turkey.
- 8) **Yu­ce, G.**, Italiano, F., Yang, T., Yalcin, T.H., Rojay, B., Karabacak, V., Gulbay, A. H., Yasin, D.U., Ozacar, A, D'Alessandro, W., Bellomo, S., Brusca, L., Fu, C.C., Lai, C.C. 2013. Geochemistry of free and dissolved gases in the Amik Basin area (Turkey) and its relationships with the tectonic setting, EGU General Assembly 2013, Geophysical Research Abstracts, Vol. 15, EGU-2013-12441-1, Vienna, Austria.

- 9) Italiano, F., Sasmaz, A., **Yuçe, G.**, Okan, O. O. Geochemical features of gas and fluid discharges along the Malatya-Karlioiva segment of East Anatolian Fault Zone (Turkey), ICGG11 International Conference on Gas Geochemistry, 29 Nov-02 Dec 2011, p. 69, La Jolla, California, USA.
- 10) Yasin, D., U., **Yuçe, G.**, Adar, N., Yalcin. H.T. Variations in gas and fluid characteristics of monitoring stations and their correlations with the swarm of Simav and Eskisehir earthquakes, TURKEY, ICGG11 International Conference on Gas Geochemistry, 29 Nov-02 Dec 2011, p. 129, La Jolla, California, USA.
- 11) Yasin, D. U., **Yuçe, G.** 2008. The Effect of Drought on the Quality of Water Resources Mixed with Leachate Waters from an Open-Pit Boraxe Mine, 10th International Mine Water Association Congress, Mine Water and the Environment June 2-5, 2008, Karlovy Vary, Czech Republic.
- 12) **Yuçe, G.** 2005. Isotopic Fingerprint Study to Investigate the Mixing of Groundwater and Thermal Water in the Misli Basin, Turkey. 8th International Conference on Gas Geochemistry 2-7 October, pp.39-40, Palermo, ITALY.
- 13) **Yuçe, G.**, Ugurluoglu, D., Adar, N., Yaltirak, C., Yalcin, T., Suner, F., Bozkurtoglu, E., Yildirim, N., Yurtal, R., Eser, T., Azdiken, S., Onhon, E., 2004, A Study On Time Series Of Groundwater Level Changes As Precursory Of Earthquake And Future Project Concerning Real-Time Monitoring In The Eskisehir Region In Turkey, XXIX General Assembly of the European Seismological Commission to be held September 12-17, 2004, Potsdam, GERMANY.

Poster presented in National Conferences/Symposiums

- 1) Bilen, C.A., **Yuçe, G.** 2016. Examination of the Porsuk River and Groundwater Interaction by Contamination Parameters, 69th Geological Congress of Turkey, Abstracts Book, 11-15 April 2016, MTA, pp. 136-137, Ankara, TURKEY.

Courses given in the last 2 years:

Year	Semester	Course name	Hours in a week		Number of Students
			Theoretical	Practical	
2018-2019	Fall	Groundwater Drilling Techniques	2	0	43
		Project Development and Design in Hydrogeology I	1	4	1
		Vocational English- I	2	0	47
2016	Spring	Vocational English- II	3	0	16

		Project Development and Design in Hydrogeology II	-	6	2
		Environmental Hydrogeology	3	-	7
	Fall	Vocational English- I	2	0	41
		Groundwater Drilling Techniques	2	0	22

Completed Ph.D. and Master Thesis under my supervising:

Supervision Experience: Please indicate and provide list of supervision at undergraduate level (such as final year projects) and postgraduate level (Master’s degree and PhD students)

- Gülbay, A. H., 2015. “The Determination of Buried Fissure Zones with Gas Measurements: The Güzelburç Fissure, Antakya” MSc. Thesis, Eskisehir Osmangazi University, FBE, 2015.
- Taskiran, L., 2014. “Determination of Geothermal Energy Potential Mahmudiye and Alpu Region (Eskisehir)”, PhD. Thesis, Eskisehir Osmangazi University, FBE, 2014.
- Yasin, U. D., 2012. Investigation of hydrogeological changes in Groundwater of Porsuk Basin (Eskisehir) depending on seasonal and seismic events, PhD. Thesis, Eskisehir Osmangazi University, FBE, 2012.
- Alptekin, C. 2012. Examination of Surface water and Groundwater Interaction by Contamination Parameters: A Case Study of Porsuk River (Eskisehir), MSc. Thesis, Eskisehir Osmangazi University, FBE, 2012.
- Taskiran, L., 2006. “Isotopic and Hydrogeochemical Evaluations of the Tekman (Erzurum-TURKEY) Geothermal Area.”
- Ercengiz, B., 2004. “Researching of water contamination due to the manmade activities in Thrace-Ergene Basin, TURKEY”
- Ugurluoglu, D., 2004. “Boron contamination in water and soil in Eskisehir-Kırka-Seyitgazi (TURKEY) and its environmental impacts”

TECHNICAL COURSES ON STABLE ISOTOPES AND HYDROGEOLOGY:

In 1999, I participated in the course given by Prof. Werner Balderer (from ETH) on Isotope Techniques in Hydrogeology. I have a certification from this course. Duration: 5 days.

In 1997, I was sent to Israel by DSI (State Water Works) in the frame of MASHAV scholarship (Hebrew University). The course was on the “17th International Post Graduate Course in the Exploration, Exploitation, and Management of Groundwater Resources.” I have received a Diploma from this course with excellent grades. Duration: 4 months.

In 1994, I joined in the course named “Geochemistry of Stable Isotopes: Geochronology and Radiogenic Isotopes”. I have a certification from this course. Duration: 12 days.

In 1991, I participated in a course that holds in Graz, Austria, on groundwater dynamics by using natural isotopes techniques. I have a certification from this course with excellent remarks. Duration: 2 months.

In 1991, I participated in the workshop titled “Isotope Hydrology in the Middle-East”, I have a certification from this workshop. Duration: 12 days.

COMPUTER AND OTHER SKILLS: MS Office (Word, Excel, PowerPoint), CorelDraw, Surfer, HydroWin, Watspec, PMWin (Modflow). I have FWD certificate as well as normal driving license without any accident since 1988.

PROFESSIONAL MEMBERSHIPS: International Committee of Gas Geochemistry (ICGG), International Association of Hydrogeologists (IAH), International Geo-Hazards Research Society (IGRS), Chamber of Geological Engineering of Turkey, Earthquake Engineering and Association of Turkey.

MEMBERSHIP OF EDITORIAL AND PUBLICATION BOARD:

2020. Geofluids (Guest Editor)
2020. Turkish Journal of Water Science and Management, Publication Board
2019. Project Evaluator on Water Management in EU Projects.
2018. Petroleum and Marine Geology (Guest Editor)
2017. Petroleum and Marine Geology (Guest Editor)
2016. Petroleum and Marine Geology (Guest Editor)
2016. Turkish Journal of Earth Science (Guest Editor)
2016. Academy of Romanian Scientists, Annals Series on Chemistry Sciences, ISSN: 2392-8271, Number: 2 Volume:1
2016. Editorial Board of Bulletin of Earth Sciences
2015. Academy of Romanian Scientists, Annals Series on Chemistry Sciences, ISSN: 2392-8271, Number: 1 Volume:2
2014. Academy of Romanian Scientists, Annals Series on Chemistry Sciences, ISSN: 2392-8271, Number: 1 Volume:1
2013. Turkish Journal of Earth Science (Guest Editor)
2012. ESOGU-Journal of Faculty of Engineering and Architecture

REVIEWER IN THE SCI JOURNALS (2006-2021):

2022. Journal of Environmental Management
2021. Arabian Journal of Geosciences
2021. Turkish Journal of Water Science and Management (2 times)
2021. Environmental Earth Sciences (2 times)
2021. Turkish Journal of Earth Sciences
2021. Frontiers in Earth Sciences (2 times)
2020. Journal of Geochemical Exploration
2020. Frontiers in Earth Science (4 times)
2020. Journal of Environmental Management (2 times)
2019. Groundwater Sustainable Development
2019. Geofluids (3 times).

2019. Environmental Earth Sciences (2 times)
2018. Environmental Earth Sciences (3 times)
2018. Turkish Journal of Earth Sciences
2018. Journal of Environmental Management (3 times)
2017. Acta Geophysica
2017. Geofluids
2017. Scientific Reports, Nature
2017. Desalinisation and Water Treatment
2017. Marine and Petroleum Geology
2017. Environmental Earth Sciences (2 times)
2016. Turkish Journal of Earth Sciences
2016. Geofluids
2016. Chemical Geology (3 times)
2016. Journal of Asian Earth Sciences
2016. Water and Environment Journal
2016. Series on Physics and Chemistry Sciences
2016. Environmental Earth Sciences (6 times)
2015. Isotopes in Environmental & Health Studies (2 times)
2015. Environmental Earth Sciences (7 times)
2014. Environmental Earth Sciences (4 times)
2014. Applied Clay Science
2013. Isotopes in Environmental & Health Studies
2013. Assoc. Editor in Turkish Journal of Earth Science
2013. Turkish Journal of Earth Science
2013. Journal of Environmental Management (2 times)
2012. Acta Geophysica
2012. Annals of Geophysics
2012. CLEAN - Soil, Air, Water
2012. Journal of Environmental Management (2 times)
2012. Chemical Geology
2012. Applied Geochemistry
2012. Environmental Earth Sciences (4 times)
2011. Geochemical Journal
2011. Environmental Earth Sciences
2011. African Journal of Agricultural Research (2 times)
2011. Journal of Hazardous Materials
2011. Environmental Earth Sciences
2011. Applied Geochemistry (2 times)
2010. Applied Geochemistry
2010. Journal of Environmental Management.
2010. Environmental Earth Sciences (6 times).
2009. Environmental Earth Sciences.
2008. Applied Radiation and Isotopes.
2007. Environmental Geology.
2006. Environmental Geology.
2006. Annals Geophysics.
2006. Environmental Forensics.

MORE:

I have been giving my consultancy to a few private companies on geothermal survey as well as action for thermal water protection strategies. Furthermore, I am effectively able to use stable isotopes to identify river- groundwater interaction. I had been involved in many TUBITAK projects as a reviewer and project coordinator that, mostly related with geothermal investigations and hydrogeology projects. I consulted an EU project on "Enhance Groundwater Capacity of Turkey", for GD of State Hydraulic Works and GD of Water Management, Turkey. as well as for Niras Company.

AWARDS AND GRANTS:

- 2018 Project Performance Reward, The Scientific and Technological Research Council of TURKEY (TUBITAK-CAYDAG), TURKEY
- 2016 Grant for Post-Doc Research in Abroad, The Scientific and Technological Research Council of TURKEY (TUBITAK-2219 Programme), 29 July 2017-29 June 2018, "Fast, high volume infiltration of water in the subsurface by using point-injection wells: field experiment (FHVI)" NETHERLANDS
- 2014 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2013 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK) (4 times)
- 2011-2012 Grant for Improving Scientific Collaboration and Joint Project, visiting scientist for a short-term (6 months), the UQ, AUSTRALIA
- 2010-2011 Grant for Improving Scientific Collaboration and Joint Project, visiting scientist for a short-term (3 months), the UQ, AUSTRALIA
- 2010 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2009-2010 Grant for Improving Knowledge on Gas Geochemistry, invited researcher for a short-term (3 months), NTU, TAIWAN
- 2009 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2007 Grant for International Exchange Program of CNR-GEOSCIENZE E GEORISORSE, Short-term Mobility (2 months), Program title: Investigation of Geothermal Resources using by Radon and Helium gases isotopes and its importance on seismic prediction techniques: Case Studies in Larderello (Tuscany) CNR, ITALY
- 2007 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2007 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2007 Publication incentive award, Eskisehir Osmangazi University, TURKEY
- 2006 Publication incentive award, Eskisehir Osmangazi University, TURKEY
- 2006 Post-doctorate Research Grant in Italy, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2006 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)

- 2005 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2004 Encouraging award of EU/FP6 Project, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2003 Publication incentive award, The Scientific and Technological Research Council of TURKEY (TUBITAK)
- 2003 Publication incentive award, Eskisehir Osmangazi University, TURKEY
- 1997 Scholarship for International Post Graduate Course in the Exploration, Exploitation, and Management of Groundwater Resources in Israel (for 4 months), Diploma.
- 1991 Scholarship for Groundwater Tracer Techniques, Graz, Austria, (for 1.5 months), Certificate.

REFERENCE PEOPLE:

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-Dr. Antonio Chambel (University of Evora-PORTUGAL) E-mail: achambel3@gmail.com, mobile: +351 966396155 President of International Association of Hydrogeologist (IAH)-Programme and Science Coordination, PORTUGAL

-Wang, Yunpeng, Ph.D., Professor, State Key Laboratory of Organic Geochemistry Guangzhou Institute of Geochemistry, Chinese Academy of Sciences Guangzhou 510640, CHINA, Tel/Fax:+86-20-85290197 E-mail:wangyp@gig.ac.cn

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-Prof. Dr. Abidin Temel. Hacettepe University, Department of Geological Engineering, Chair of the mining deposits-geochemistry. Email: atemel@hacettepe.edu.tr