

CURRICULUM VITAE

DR. VEYSEL ISIK

PERSONAL INFORMATION

Address

Work : Ankara University, Department of Geological Engineering, Tectonics Research Group
TR-06830, Gölbaşı, Ankara, Turkey

Tel : +90 312 203 3340

Fax : +90 312 2150487

E-mail : v.isik@ankara.edu.tr

Web : <http://eng.ankara.edu.tr/~isik/>

Current Position

Professor - Ankara University, Department of Geological Engineering

Education

Ph.D. - Ankara University, Graduate School of Natural and Applied Sciences

M.Sc. - Ankara University, Graduate School of Natural and Applied Sciences

Professional Societies

American Geophysical Union (AGU)

Chamber of Geological Engineers of Turkey (JMO)

Geological Society of America (GSA)

Turkish Assoc. of Petroleum Geologists (TPJD)

Awards / Honors

Golden Hammer Research Award - TMMOB Chamber of Geological Engineers

Encouragement Award in Science - Ankara University

Most Cited Author 2003-2007 Award – Tectonophysics

Teaching

JEM Physical Geology I/II - Ankara University

JEM Structural Geology - Ankara University

JEM Field Mapping - Ankara University

JEM Geology of Turkey- Ankara University

JEM Advanced Structural Geology - Ankara University

JEM Micro Tectonics - Ankara University

JEM Geology of Continental Margins - Ankara University

JEM Structural Analysis, Method and Synthesis - Ankara University

Research Interests

Active/Passive faults, fault zones and fault-related rocks

Natural Hazards, Geological Security

Detachment faults

Crystalline/Metamorphic core complexes

Micro-tectonics studies

Structural geology analysis

PUBLICATIONS

Selected Journal Articles

Isik, V. & Tekeli, O. 2001. Late orogenic crustal extension in the northern Menderes massif (western Turkey): Evidences for metamorphic core complex formation. *International Journal of Earth Sciences* 89, 757-765.

Seyitoglu, G., Tekeli, O., Cemen, I., Sen, S. & **Isik, V.** 2002. The role of flexural/rolling hinge model on the tectonic evolution of Alasehir graben, western Turkey. *Geological Magazine*, 139, 15-26

Isik, V., Seyitoğlu, G. & Cemen, I. 2003. Ductile-brittle transition along the Alasehir shear zone and its structural relationship with the Simav detachment, Menderes massif, western Turkey. *Tectonophysics* 374, 1-18

Isik, V., Tekeli, O. & Seyitoğlu, G. 2004. The ⁴⁰Ar/³⁹Ar age of extensional ductile deformation and granitoid intrusions in the northern Menderes core complex: Implications for the initiation of extensional tectonics in western Turkey. *Journal of Asian Earth Science* 23 (4), 555-566

Seyitoglu, G., **Isik, V.** & Cemen, I., 2004. Complete Tertiary exhumation history of Menderes massif, western Turkey: a working hypothesis Turkey. *Terra Nova* 16, 358-364

Isik, V. 2004. Micro-tectonic features of Simav shear zone, northern Menderes massif, western Turkey. *Geological Bulletin of Turkey* 47 (2), 49-91

Cemen, I., Tekeli, O., Seyitoglu, G. & **Isik, V.** 2005. Are Turtleback Fault Surfaces Common Structural Elements of Strongly Extended Terrains. *Earth-Science Reviews* 73, 139-148

Önal, Z., **Isik, V.** & Seyitoğlu, G., 2006. Mesoscopic and microscopic Observations on the Character of Koyunbaba Fault Between Koyunbaba and Hasayaz in the Western Part of Çankırı Basin and Their Implications on the Regional Tectonic Model. *Geological Bulletin of Turkey* 49(3), 1-12.

Seyitoğlu, G., Ecevitoglu, B., **Isik, V.**, Esat, K., Akkaya, İ. & Sağol, Ö., 2006. Geological and geophysical data related to the character of the tectonic contact between Upper Cretaceous ophiolitic mélangé and Neogene units in the north of Yuvaköy (Ankara). *Yerbilimleri*, 27 (3), 163-171.

- Isik, V.**, Lo, C.H., Göncüoğlu, C. & Demirel, S. 2008. $^{39}\text{Ar}/^{40}\text{Ar}$ ages from the Yozgat Batholith: Preliminary data on the timing of Late Cretaceous extension in the Central Anatolian Crystalline Complex, Turkey. *Journal of Geology* 116(5), 510-526.
- Isik, V.**, 2009. Ductile shear zone in granitoid of Central Anatolian Crystalline Complex, Turkey: Implications for Late Cretaceous extensional deformation. *Journal of Asian Earth Sciences* 34, 507-521.
- Seyitoglu, G., Alçiçek, C., **Isik, V.**, Yılmaz, İ., Alçiçek, H., Varol, B. & Esat, K., 2009. The stratigraphical position of Kemiklitepe fossil locality (Uşak-Eşme) revisited: Implications for the Late Cenozoic sedimentary basin development and extensional tectonics in western Turkey. *Neues Jahrbuch für Geologie und Palaontologie, Abhandlungen* 251(1), 1-15.
- Seyitoglu, G. and **Isik, V.**, 2009. Meaning of the Küçük Menderes graben in the tectonic framework of the central Menderes core complex (western Turkey). *Geologica Acta*, 7(3), 323-331.
- Uysal, T.I., Feng, Y., Zhao, J., **Isik, V.**, Nuriel, P., Golding, S.D., 2009. Hydrothermal CO₂ degassing in seismically active zones during the late Quaternary. *Chemical Geology* 265, 442–454.
- Demirel S., Göncüoğlu, M.C., Topuz, G., **Isik, V.**, 2009. Geology and chemical variations in the tourmalines from the quartz-tourmaline breccias within the Kerkenez Granitoid (Central Anatolian Crystalline Complex, Turkey). *Canadian Mineralogist* 47, 787-799.
- Alçiçek, H., Seyitoglu, G., Alçiçek, M.C., Varol, B., **Isik, V.** & Esat, K., 2010. WNW-ESE trending Early Miocene-Quaternary Denizli Graben and its relation to the surrounding grabens in Western Turkey. *Basin Research*.
- Uysal, I.T., Feng, Y.X., Zhao, J.X., Bolhar, R., **Isik, V.**, Baublys, K., Yago, A., Golding, S.D., 2011. Seismic cycles recorded in late Quaternary calcite veins: Geochronological, geochemical and microstructural evidence. *Earth and Planetary Science Letters*, 303, 84-96.
- Esat, K., Civgin, B., Kaypak, B., **Isik, V.**, Ecevitoglu, B., Seyitoğlu, G., 2014. The 2005-2007 Bala (Ankara, central Turkey) earthquakes: a case study for strike-slip fault terminations. *Geologica Acta*, 12 (1), 71-85.
- Seyitoglu, G., **Isik, V.**, Esat, K., 2014. A 3D model for the formation of Turtleback surfaces: The Horzum Turtleback of Western Turkey as a case study. *Turkish Journal of Earth Sciences*, 23, 479-494.(DOI:10.3906/yer-1401-23)
- Isik, V.**, Uysal, T., Çağlayan, A., Seyitoğlu, G., 2014. The evolution of intra-plate fault systems in central Turkey: structural evidence and Ar–Ar and Rb–Sr age constraints for the Savcili Fault Zone. *Tectonics*, 33(10), 1875-1899. (DOI: 10.1002/2014TC003565)
- Seyitoğlu, G., Ecevitoglu, B., Kaypak, B., Esat, K., Çağlayan, A., Gündoğdu, O., Güney, Y., **Isik, V.**, Pekkan E., Tün, M. and Avdan, U., 2015. A missing-link in the tectonic configuration of the Almacık Block along the North Anatolian Fault Zone (NW Turkey): Active faulting in the Bolu plain based on seismic reflection studies. *Geophysical Journal International* 201, 1814–1833.
- Ünal-İmer, E., Uysal, I.T., Zhao, Jian-Xin, **Isik, V.**, Shulmeister, J., İmer, A., Feng, Yue-Xing. 2016. CO₂ outburst events in relation to seismicity: Constraints from microscale geochronology, geochemistry of late Quaternary vein carbonates, SW Turkey. *Geochimica et Cosmochimica Acta*, 187, 21-40.

Saber, R., Caglayan, A. and **Isik, V.** 2018. Relative Tectonic Activity Assessment and Kinematic Analysis of the North Bozqush Fault Zone, NW Iran. *Journal of Asian Earth Science*, 164, pp. 219-236. (doi.org/10.1016/j.jseaes.2018.06.023)

Caglayan, A., **Isik, V.** and Saber, R. 2019. An Assessment of Holocene Seismic Activity on 1944 Earthquake Segment, North Anatolian Fault Zone (Turkey). *Geosciences Journal*, 23, 5, 805-822. (doi.org/10.1007/s12303-018-0075-3)

Saber, R., **Isik, V.** and Caglayan, A. 2020. Tectonic Geomorphology of the Aras Drainage Basin: Implications for the recent activity of the Aras Fault Zone. *Geological Journal*. (DOI: 10.1002/gj.3724)

Dinçer, B. and **Işık, V.** 2020. Determination of Structural Characteristics of Tuzgölü Fault Zone Using Gravity and Magnetic Methods, Central Anatolia. *Bulletin of the Mineral Research and Exploration*, 161.

Selected Proceedings Articles

Isik, V. & Seyitoğlu, G., 2007. Asymmetric and Symmetric Core Complex Formation in the Menderes Massif: Its Exhumation and Fragmentation History. *Colloquium of the Menderes Massif. Extended Abstracts Book*, 88-102.

Isik, V. 2004. Metamorphism and structure of eastern Alanya metamorphites, southern Turkey. 5th International Symposium on Eastern Mediterranean Geology, Thessaloniki, Greece, 14-20 April, Proceedings, V.3, 1139-1142.

Isik V., Gursu S., Göncüoğlu, C., Seyitoğlu, G. 2004. Deformational and geochemical features of syn-tectonic Koyunoba and Egrigöz granitoids, western Turkey. 5th International Symposium on Eastern Mediterranean Geology, Thessaloniki, Greece, 14-20 April, Proceedings, V.3, 1143-1146.

Saber, R., **Işık, V.,** Caglayan, A., 2014. Fault Geometry and Kinematic Analysis of North Bozqush Fault Zone. 32nd National and 1st International Geosciences Congress, Tabriz, Iran, 16-19 February, Proceedings.

Saber, R., Caglayan, A. and **Isik, V.** 2017. Morphotectonic and Paleoseismological features along Erkenek and Gölbaşı segments of East Anatolian Fault Zone, Turkey. 9th Congress of Balkan Geophysical Society, 5-9 November, Antalya/Turkey.

Saber, R., **Isik, V.** and Caglayan, A. 2017. Evaluation of Relative Uplift Rate along Active North Bozqush Fault Zone Using Geomorphic Indices. 9th Congress of Balkan Geophysical Society, 5-9 November, Antalya/Turkey.

Caglayan, A., **Isik, V.** and Saber, R. 2018. Mapping Active Faults and Establishing Fault Avoidance Zones: Applications for Disaster Risk Reduction in Urban Planning in Turkey. The 36th National and the 3rd International Geosciences Congress, 25-27 February, Tahrán/Iran, Article Code: 13631.

Saber, R., **Isik, V.** and Caglayan, A., 2018. Assessment of Relative Tectonics Activity along Aras Valley (NW Iran) Using Morphometric Indices. The 36th National and the 3rd International Geosciences Congress, 25-27 February, Tahrán/Iran, Article Code: 13626.

Caglayan, A., **Isik, V.** and Saber, R. 2019. Fault Zone Characteristics of Özboyu Area in the North Anatolian Fault Zone (Turkey). 38 th National Geoscience Congress, 30 th April-1 st May, Tehran/Iran, ISC98190-66115, pp. 548-556 (in Persian with English Abstract).

Isik, V., Saber, R. and Caglayan, A. 2019. South Bozqush Fault Zone: Preliminary kinematic and morphometric results, NW Iran. 38 th National Geoscience Congress, 30 th April-1 st May, Tehran/Iran, ISC98190-66115 pp. 829-837 (in Persian with Extended Abstract).

Saber, R., **Isik, V.** and Caglayan, A. 2019. Assessment of Active Tectonic along the Sabalan Fault Zone (NW Iran) Using Geomorphic Indices. 38 th National Geoscience Congress, 30 th April-1 st May, Tehran/Iran, ISC98190-66115, pp. 1565-1574 (in Persian with Extended Abstract).

Caglayan, A., **Isik, V.** and Saber, R. 2019. Natural Disaster Risk Determination and Mapping Along Active Fault Zones Prior to the Urban Planning in Turkey. International Disaster and Resilience Congress, 26-28 June, Eskişehir, 191-195.

Günay, A., Caglayan, A., Saber, R., and **Isik, V.** 2019. Tectonic Activity Indicators and Disaster Risk of Çaysimav Segment in Sındırgı-Sinanpaşa Fault Zone, Western Anatolia. International Disaster and Resilience Congress, 26-28 June, Eskişehir, 1111-1115.

Saber, R., **Isik, V.** and Caglayan, A. 2019. Determination of Natural Disaster Risks along Aras Fault Zone (NW Iran) Using Morphometric and InSAR Data Analysis. International Disaster and Resilience Congress, 26-28 June, Eskişehir, 1125-1130.

Selected Abstracts

Isik, V., Tekeli, O. & Cemen, I., 1997. Mylonitic fabric development along a detachment surface in northern Menderes Massif, Western Anatolia, Turkey. GSA, Annual Meeting Abstracts with Programs, Salt Lake City, USA, v. 29, no. 6, p.87

Isik, V. and Tekeli, O., 1998, Structure of Lower Plate Rocks in Metamorphic Core Complex; Northern Menderes massif, Western Turkey. 3th Int. Turkish Geology Sym., METU, Ankara, Turkey, p. 268.

Isik, V. and Tekeli, O. 1999. Microstructure of deformed grains in the granitic mylonites of lower plate: northern Menderes massif, western Turkey. EUG 10, J. Conference Abstracts, Strasbourg, France, 4 (1); p.730

Isik, V., Cemen, I., Tekeli, O. & Seyitoglu, G., 2001. Ductile-brittle transition in Salihli granitoid below the Karadut detachment surface, Menderes massif, Western Turkey. 4th Int. Turkish Geology Sym., CU, Adana, Turkey, p. 213

Seyitoglu, G., Sen, S., Tekeli, O., Cemen, I. & **Isik, V.** 2001. Stratigraphy and sutructure of the major E-W trending Turkish graben system. 4th Int. Turkish Geology Sym., CU, Adana, Turkey, p. 22

Cemen, I., Seyitoglu, G., Tekeli, O., & **Isik, V.** 2001. Extensional Tectonics in Western Turkey and Basins and Ranges, USA: A Review. 4th Int. Turkish Geology Sym., CU, Adana, Turkey, p. 21

Tekeli, O., **Isik, V.**, Seyitoglu, G. & Cemen, I. 2001. The ⁴⁰Ar/^{Ar}³⁹ age of ductile extension and granitoid intrusions in the northern Menderes massif, Western Turkey. 4th Int. Turkish Geology Sym., CU, Adana, Turkey, p. 226

Temiz, U., Tekeli, O. & **Isik, V.** 2001. Structural and petrographic features of metamorphic rocks in the south of Simav, Western Turkey. 4th Int. Turkish Geology Sym., CU, Adana, Turkey, p. 227

Cemen, I., **Isik, V.**, Seyitoglu, G. & Tekeli, O. 2001. Extension parallel folding in northern Menderes massif, Western Turkey. GSA, Annual Meeting Abstracts with Programs, Boston, USA, v.33, no.7, p. A-151

Isik, V., Cemen I. & Seyitoglu, G., 2002. Ductile-brittle transition along the Alasehir and Simav shear zones and their structural relationships, Menderes massif, western Turkey. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.34, no.79-13, p. 179

Cemen, I., Seyitoglu, G. & **Isik, V.**, 2002. Extensional tectonics in southern Basins and Ranges, USA and in western Turkey: A Review of similarities, differences and problems. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.34, no.79-1, p. 178

Seyitoglu, G., Cemen I., Sen, S. & **Isik, V.**, 2002. Extensional tectonics and related basin development in western Turkey. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.34, no.79-11, p. 179

Catlos, E.J., Cemen, I., **Isik, V.** & Seyitoglu, G., 2002. In situ constrains from the Menderes massif, western Turkey. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.34, no.79-15, p. 180

Ozerdem, C., Cemen, I., & **Isik, V.**, 2002. The conglomerate member of the Gokceoren formation, Oren basin, western Turkey: Its age, sedimentology and tectonic significance. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.34, no.111-13, p. 250

Cemen, I., Seyitoglu, G., **Isik, V.** & Catlos, E., 2003. Extensional Tectonics in Western Anatolia, Turkey. GSA, Annual Meeting Abstracts with Programs, Seattle, USA, v.35, p. 348.

Isik, V., Seyitoglu, G. & Cemen, I., 2003. Extensional structures of the Menderes core complex, western Turkey. GSA, Annual Meeting Abstracts with Programs, Seattle, USA, v.35, p.27-28

Seyitoglu, G., Cemen I., **Isik, V.** & Catlos, E.J., 2003. Late Cenozoic exhumation processes of Menderes massif and related extensional basin formation in western Turkey. GSA, Annual Meeting Abstracts with Programs, Seattle, USA, v.35, p. 27.

Gogus, O., Cemen, I., Catlos, E.J., **Isik, V.** & Seyitoglu, G., 2003. Geometry and Tectonic Significance of the Bascayir Detachment, Buyuk Menderes Graben, Western Turkey. GSA, Annual Meeting Abstracts with Programs, Seattle, USA, v. 35, p. 27.

Isik, V., Goncuoglu C. & Demirel, S., 2004. Tourmalinite formation in the Yozgat batholith, Central Anatolian core complex, Turkey: A case study for its structural setting. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.36, no.5, p. 430.

Bettemir, I., **Isik, V.**, & Seyitoglu, G., 2004. Geological relationships between the Kazdag metamorphic core complex and the Karakaya complex in northwest Turkey. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.36, no.5, p. 430.

Maga, M., **Isik, V.**, & Seyitoglu, G., 2004. The paleomagnetic stratigraphy of the fossiliferous Paleogene Uzuncarsidere formation, central Turkey. GSA, Annual Meeting Abstracts with Programs, Denver, USA, v.36, no.5, p. 72.

Demirel, S., Göncüoğlu, C., **Isik, V.** & Topuz, G., 2005. Origin and Formation of Kerkenez Quartz-Tourmaline Breccia Zone (KQTBZ), Sorgun-Central Turkey. International Earth Sciences Colloquium on the Aegean Regions - IESCA, Izmir-Turkey, p. 30-31.

Isik, V., 2008. Structure of the Southeast Anatolian Suture Zone, Turkey. AGU Fall Meeting, 15-19 December, San Francisco, USA, T33C-2080.

Çağlayan, A. & **Isik, V.**, 2008. The Savcili Fault Zone, Central Turkey. AGU Fall Meeting, 15-19 December, San Francisco, USA, T51A-1866.

Çıvgın, B., Esat, K., Kaypak, B., **Isik, V.**, Seyitoğlu, G., 2009. Surveying The Earthquake Producing Faults Around Bala (Ankara) by Using Local Station Records (*Bala (Ankara)*) International Earthquake Symposium Abstracts, p. 6-7, Kocaeli University, Kocaeli, Turkey.

Seyitoğlu, G., Kaypak, B., **Isik, V.**, Esat, K., Çıvgın, B., 2009. Earthquake Monitoring Network of Ankara (ANKNET) International Earthquake Symposium Abstracts, p.102, Kocaeli University, Kocaeli, Turkey).

Isik, V., Seyitoğlu, G., 2010. Cenozoic Exhumation and Sedimentary Basin Formation in the Menderes Massif, Western Turkey. Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia. Abstract Book, p.70.

Isik, V., Çağlayan, A., Seyitoğlu, G., Uysal, T., Zhao, J., Esat, K., Sözeri, K., 2010. Geology of the Savcılı Fay Zone, Central Turkey. Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia. Abstract Book, p.32.

Kurt, S., **Isik, V.**, Seyitoğlu, G., 2010. Alternative Cenozoic Exhumation History of the Kazdag Core Complex, Western Turkey. Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia. Abstract Book, p.70.

Esat, K., **Isik, V.**, Seyitoğlu, G., 2010. The Ilıca Fault, eastern sector of the Eskişehir Fault Zone, central Anatolia, Turkey: Its structural characteristics and seismicity. 7th International Symposium on Eastern Mediterranean Geology Abstracts, p.32, University of Çukurova, Adana.

Isik, V., Seyitoğlu, G., Çağlayan, A., Uysal, T., Zhao, J., Esat, K., Sözeri, K., 2010. Cataclastic Zones within the Savcili Fault Zone, Central Turkey, Central Turkey. AGU Fall Meeting, 13-17 December, San Francisco, USA, T51A-2011.

Isik, V., Seyitoğlu, G., Çağlayan, A., Uysal, T., Zhao, J., Esat, K., Sözeri, K., 2010. Cataclastic Zones within the Savcili Fault Zone, Central Turkey, Central Turkey. AGU Fall Meeting, 13-17 December, San Francisco, USA, T51A-2011.

Isik, V., Çağlayan, A., Uysal, T., Bolhar, R., 2011. Microstructures of the Kirsehir Complex, Central Turkey. AGU Fall Meeting, 5-9 December, San Francisco, USA, T43C-2337.

Çağlayan, A., Eser, E., Saber, R., **Isik, V.**, 2011. Architecture of Adaköy Fault Zone, NW Central Turkey. AGU Fall Meeting, 5-9 December, San Francisco, USA, T13E-2439.

Çağlayan, A., **Isik, V.** and Karabacak, V., 2012. Characteristics of Brittle Deformation in the North Anatolian Fault Zone. PANAF- Paleoseismology Along the North Anatolian Fault, 8-10 October 2012, İstanbul p.31.

Işık, V., Saber, R., Caglayan, A., 2012. Is There Any Relationship Between Active Tabriz Fault Zone and Bozkush Fault Zones, NW Iran. AGU Fall Meeting, 3-7 December, San Francisco, USA, T33A-2540.

Saber R., Caglayan, A., **Işık, V.**, 2012. Riedel Shear Patterns along Active Sabalan Fault Zone, Ardebil, NW Iran. AGU Fall Meeting, 3-7 December, San Francisco, USA, T33A-2641.

Caglayan, A., **Işık, V.**, 2012. Geometry of the Gerede Segment, North Anatolian Fault Zone, Turkey. AGU Fall Meeting, 3-7 December, San Francisco, USA, T21A-2546.

Expert, M., Cenki-Tok, B., Candan, O., **Işık, V.**, Monie, P., Bruguier, O., Bosch, D., 2013. Preliminary data on the link between Alasehir and Simav dtachments (western Turkey): Implications on exhumation of the Menderes Massif. Bulding Strong Continents, 1-4 September, University of Portsmouth, UK, 59

Caglayan, A., **Işık, V.**, Seyitoglu, G. and Saber, R. 2013. Internal Structure and Deformation Mechanisms of North Anatolian Fault Zone Along The 1943 Earthquake Rupture, Turkey. AGU Fall Meeting, 9-13 December, San Francisco, USA, T23E-2635

Işık, V., Seyitoglu, G., Herece, E., Saber, R., Caglayan, A. 2013. The Restraining Steppovers And Releasing Bends Along The Active East Anatolian Fault Zone, Turkey: Celikhan Region As A Case Study. AGU Fall Meeting, 9-13 December, San Francisco, USA, T23E-2637.

Saber, R., **Işık, V.**, Caglayan, A. 2013. Structural Analysis of Active North Bozgush Fault Zone (NW Iran). AGU Fall Meeting, 9-13 December, San Francisco, USA, T13D-2563.

Ünal-Imer, E., Uysal, I.T., **Işık, V.**, Zhao, J.X. and Shulmeister, J., 2014. A high-resolution geochronological and geochemical study on Aegean carbonate deposits, SW Turkey. Conference Abstracts, Vienna, Austria, Vol. 16, EGU2014-16265.

Caglayan, A., **Işık, V.**, Saber, R., Yasar, I., 2014. Paleoseismologic data and seismic tomographic images of the 1992 Erzincan Earthquake along the North Anatolian Fault Zone, Turkey. AGU Fall Meeting, 15-19 December, San Francisco, USA, T41C-4632.

Işık, V., Caglayan, A., Saber, R., Yeşilyurt, N., 2014. Paleoseismology of the 1966 Varto Earthquake (Ms 6.8) and Structure of the Varto Fault Zone, Eastern Turkey. AGU Fall Meeting, 15-19 December, San Francisco, USA, T41C-4633.

Saber, R., **Işık, V.**, Caglayan, A., Seyitoglu, G., 2014. The Geomorphological Developments Along the East Anatolian Fault Zone, Turkey. AGU Fall Meeting, 15-19 December, San Francisco, USA, T23C-4695.

Seyitoğlu, G., Ecevitoglu, B., Kaypak, B., Esat, K., Çağlayan, A., **Işık, V.**, Gündoğdu, G., Güney, Y., Pekkan, E., Tün, M., ve Avdan, U. 2015. Almacik Bloğunun Kırılmamış Parçası ve Bunun Bolu Ovasında Gelecek Deprem Kestirimleri Üzerine Etkileri. 5. Uluslararası Deprem Sempozyumu, Kocaeli, 246-247.

Caglayan, A., **Işık, V.**, Seyitoglu, G. and Saber, R. 2016. Fault Core and Damage Zone Characteristics Of the Savcili Fault Zone, Central Turkey. The 34th National and the 2nd International Geosciences Congress, 22-24 February, Tahran/Iran.

Işık, V., Caglayan, A. and Saber, R. 2016. 14C Age Constrains and Structure of Strike-Slip Duplex along the North Anatolian Fault Zone, Turkey: 1944 Earthquake Segment. The 34th National and the 2nd International Geosciences Congress, 22-24 February, Tahran/Iran.

Saber, R., Çağlayan, A. and **Isik, V.** 2016. Comparison of Tectonic Activity at East Anatolian Fault Zone (Turkey) and the Aras Fault Zone (Iran) Using Morphometric Indices. The 34th National and the 2nd International Geosciences Congress, 22-24 February, Tahran/Iran.

Çağlayan, A., Erol, M. A, **Isik, V.** ve Saber, R. 2016. Aktif Fay Zonu Çalışmalarının Mekânsal Planlamada Önemi (Importance of Active Fault Zone Studies in Spatial Planning). 1. Uluslararası Şehir, Çevre ve Sağlık Kongresi, 11-15 Mayıs, Kuzey Kıbrıs Türk Cumhuriyeti (KKTC), 381 s.

Çağlayan, A., **Isik, V.**, Saber, R. ve Ünal H. 2016. Aktif Fay Zonlarında Bulunan Yerleşim Alanlarının Yerleşime Uygunluk Durumunun Değerlendirilmesi: Çay İlçesi (Afyonkarahisar) Örneği (Suitability Analysis for Settlement Area in Active Fault Zones: The Case study of Çay - Afyonkarahisar). 1. Uluslararası Şehir, Çevre ve Sağlık Kongresi, 11-15 Mayıs, Kuzey Kıbrıs Türk Cumhuriyeti (KKTC), 408 s.

Saber, R., Çağlayan, A. ve **Isik, V.** 2017. Kuzey Bozkuş Fay Zonunun Morfometrik Analizi (KB İran). 70. TJK Bildiri Özleri Kitabı, 592-593.

Günay, A., Çağlayan, A., Saber, R., Esirtgen, T. ve **Isik V.** 2017. Orta Toroslarda Orojenez Sonrası Faylanmalara Örnek: Kayaönü Fay Zonu. 70. Uluslararası katılımlı TJK Bildiri Özleri Kitabı, 6-7.

Book Chapters

Çağlayan, A. **Isik, V.** ve Saber, R. 2015. İmar Planına Esas Çalışmalarda Fay Etütleri: Aktif Fay Zonu ve Paleosismoloji Çalışmaları. Prof. Dr. Ali KEÇELİ Jeofizik-Jeoteknik Çalıştayı Bildiriler Kitabı, TMMOB Jeofizik Mühendisleri Odası Eğitim Yayınları No:23, 87-94, ISBN: 978-605-01-0803-3.

Isik, V. ve Çağlayan, A. 2018. Afet Risk Azaltma Politikaları Ders Kitabı, Bölüm 6: Doğa Kaynaklı Afet Risk Azaltma Stratejileri-I: Deprem. Anadolu Üniversitesi, 156-181, ISBN: 978-975-06-2327-1, Yayın Nu: 2545.

Seyitoğlu, G., Cahill, N.D., **Isik, V.** and Esat, K. 2019. Morphotectonics of the Alaşehir Graben with a Special Emphasis on the Landscape of the Ancient City of Sardis, Western Turkey. C. Kuzucuoğlu et al. (eds.), Landscapes and Landforms of Turkey, 495-507.

Invited Speeches

Isik, V., 2003. Ductile-brittle transition along detachment faults in Menderes massif, western Turkey. Eastern Mediterranean Seismotectonics and Geodynamics. Istanbul Technical University.

Isik, V. 2007. Anatomy of Detachment Faults: Faults and Fault-related Rocks in the Menderes Core Complex. Pamukkale University

Isik, V., 2004. Micro-tectonic Features of Shear Zones in the Menderes Core Complex. Ankara University

Isik, V., 2011. Detachment Faulting, Exhumation and Basin Formation in the Menderes Core Complex, Western Turkey. Queensland University, Australia.

Isik, V., 2018. Şehir Ve Deprem: Aktif Fayları Ve Depremleri Anlama, Deprem Tahminleri ve Önlemler. II nd International Urban Environment Health Congress, 360-363, Nevşehir, Türkiye.

Isik, V., 2019. Jeolojik Gvenlik - Geological Security. Kresel Ekolojik Gvenlik Uluslararası Sempozyumu, Ankara, Trkiye.

Isik, V., 2019. Aktif Fay Zonları ve Paleosismoloji alıřmaları. evre ve řehircilik Bakanlıęı Mekânsal Planlama Genel Mdrlę, Antalya, Trkiye.