

Address and Affiliations

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Date of Birth: June 21, 1967

Place of Birth: Çorum, TURKEY

Nationality: Turkish

**Education**

Ph.D. in geophysics, 1994-2000

Istanbul Technical University, Institute of Science and Technology, Istanbul.

Thesis Title: Investigation of the Active Tectonism in the Gulfs of Gökova and Saros by Means of Multi-Channel Seismic Reflection (in Turkish with English abstract)

M.Sc. in geophysics, 1990-1994

Istanbul Technical University, Institute of Science and Technology, Istanbul.

Thesis Title: Interpretation of Shallow Marine Seismic Data of Yedikule-Büyükçekmece, Istanbul (in Turkish with English abstract)

B.Sc. in geophysics, 1986-1990

Istanbul Technical University, Faculty of Mines, Department of Geophysical Engineering, Istanbul.

Thesis Title: Automatic Gain Control (AGC) Plus Method (in Turkish with English abstract)

Academic Experiences

Positions:

2014 September – Present : Professor of Geophysics.

Istanbul Technical University, Department of Geophysics, Istanbul, Turkey

2008 October – September 2014: Associated Professor of Geophysics.

Istanbul Technical University, Department of Geophysics, Istanbul, Turkey

October 2002–October 2008 : Assistant Professor of Geophysics.

Istanbul Technical University, Department of Geophysics, Istanbul, Turkey

January 2001 – October 2002 : Operational team member

Istanbul Technical University, Student Affairs Information System, Istanbul, Turkey

June 1993 – January 2001 : Graduate Research Assistant

Istanbul Technical University, Department of Geophysics, Istanbul, Turkey

Visiting Positions:

- *May 1, 2010 – September 1, 2010*: Visiting Scientist at Columbia University, Lamont Doherty Earth Observatory (LDEO), Palisades, New York, USA
- *September 1, 2010 – October, 30 2010*: Visiting Scientist at University of Missouri, Department of Geological Sciences, Columbia, Missouri, USA
- *September 10, 2012 – December 1, 2012*: Visiting Scientist at Columbia University, Lamont Doherty Earth Observatory (LDEO), Palisades, New York, USA

Teaching:

Graduate Courses

- JFM 609 (3+0) Seismic Attributes (in Turkish) (2013-present)

Undergraduate Courses

- JEF 438 Seismic Interpretation (in Turkish) (2003-present)
- MAD 311, JEF 341 Geophysics (in Turkish) (2003-2010)
- JEF 334E Seismic Prospecting (2008-2010; 2013-present)
- MAT 202 Numerical Methods (in Turkish) (2002-2007)

Academic Supervision:

Ph.D. Students:

- * 2013-present: Nigar Gözde Okut Toksoy, Ph.D Student
Thesis Topic: Investigation of Active Tectonics of Sapanca Lake and its Surroundings by Geophysical Methods
Istanbul Technical University, Institute of Science and Technology, Istanbul.
- * 2018-present: Ümit Serhan İnan, Ph.D Student
Thesis Topic:
Istanbul Technical University, Institute of Science and Technology, Istanbul.

M.Sc. Students:

- * 2005-2006: Esra Yücesoy, M.Sc. Student
Thesis Title: Interpretations of the Multi-Channel Seismic Reflection Data in the Gulf of İzmit, 2006. (in Turkish)
Istanbul Technical University, Institute of Science and Technology, Istanbul.
- * 2008-2011: Emre Perinçek, M.Sc. Student
Thesis Title: Processing and Interpretations of the Multi-Channel Seismic Reflection Data in the Tekirdağ Basin, Marmara Sea, 2011. (in Turkish)
Istanbul Technical University, Institute of Science and Technology, Istanbul.
- * 2009-2012: Volkan Uğur Karagöl, M.Sc. Student
Thesis Title: The Effect of Porosity and Fluid Type on the Angle Dependent Reflectivity, 2012. (in Turkish)
Istanbul Technical University, Institute of Science and Technology, Istanbul.

- * 2013-2015: Olcay Symons, M.Sc. Student
Thesis Title: Processing of Multi-Channel Seismic Reflection Data and Interpretation of Structural, Stratigraphic and Exploration of Gas Potential of Fitzroy Basin in Australia, 2015. (in Turkish)
Istanbul Technical University, Institute of Science and Technology, Istanbul.
- * 2015 - 2019: Buğu Doran, M.Sc. Student
Thesis Title: Investigation of Marmara Sea-Kumburgaz Basin Using Multi-Channel Seismic Reflection Data, 2019. (in Turkish)
Istanbul Technical University, Institute of Science and Technology, Istanbul.
- * 2016 - 2019: Gökçe İregör, M.Sc. Student
Thesis Title: Processing and Interpretation of Boomer-Sourced High-Resolution Shallow Seismic Data Acquired in Lake Sapanca, Turkey, 2019.
Istanbul Technical University, Institute of Science and Technology, Istanbul.
- * 2017 - 2019: Burak İnanç, M.Sc. Student
Thesis Title: Investigation of North Anatolian Fault by Multi-Channel Seismic Reflection Data in Adapazarı Basin, 2019. (in Turkish)
Istanbul Technical University, Institute of Science and Technology, Istanbul.
- * 2018 - present: Esra Gönül, M.Sc. Student
Thesis Topic: Active Tectonic Research by using High Resolution Chirp-Seismic Data in Lake Sapanca
Istanbul Technical University, Institute of Science and Technology, Istanbul.

University Administration:

- Geophysical Engineering Department Coordinator of ITU-Graduate School of Science Engineering and Technology (2014-2018)
- Faculty Disaster and Emergency Commission Member (2013-present)
- Deputy Department Chairman (2007-2010)
- Faculty Administrative Board Member (2008-2011)
- Faculty Educational Affairs Board Member (2008-2011)
- Faculty Educational Commission Member (2008-2011)
- Faculty Adaptation Commission Member (2002-2012)
- Responsible Person for Double Major Undergraduate Program of Geophysical Engineering Department (2002-2006)
- Responsible Person for Nezihi Canitez Data Processing Laboratory (2006-2013)
- Departmental Responsible Person for The Chamber of Geophysical Engineers of Turkey (2004-2014)
- Faculty Accreditation Commission Member (2002-2014)

Awards:

- The Best Report made by Young Scientists, XVIII. International Scientific Conference on Marine Geology, Moscow-Russia, November 16-20, 2009.
- Postdoctorate Research Fellowship by Turkish Scientific and Technical Research Council (TÜBİTAK), 2009.
- Research Abroad Fellowship by Istanbul Technical University, 2012

Research, Research Projects and Publications

Research interest:

- Marine geophysical researches; marine multi-channel seismic reflection, side scan sonar, sub bottom profiler, side-scan sonar, multibeam bathymetry data acquisition
- Multi-channel seismic reflection processing, structural and stratigraphic interpretation, seismic modelling.
- Amplitude versus Offset and Angle (AVO/AVA) and Seismic Attribute Analysis and inversion.
- Seismic interpretations and active tectonics of Aegean Sea, Marmara Sea and Black Sea, Gulf of Izmit, Lake Sapanca.

Participated Research Projects as Principle Investigator:

- Investigation of the structural and stratigraphic interpretation and modeling of the marine environment of Turkey by means of multi-channel seismic reflection data, 2005 (*Supported by Istanbul Technical University (İTÜ) Research Funds*).
- Investigation of the structural and stratigraphic interpretation of the Gulf of İzmit by means of multi-channel seismic reflection data, 2005 (*Supported by Istanbul Technical University (İTÜ) Research Funds*).
- Elastic constant determination by Seismic Amplitude Versus Offset (AVO) Modeling, 2011 (*Supported by Istanbul Technical University (İTÜ) Research Funds for Graduate School of Science Engineering and Technology*).
- Structural and Stratigraphic Interpretation in Cinarcik Basin, Marmara Sea by means of Multi-Channel Seismic Reflection Data, 2013 (*Supported by Istanbul Technical University (İTÜ) Research Funds*).
- Active Tectonic Research in and around Sapanca Lake with Geophysical Data, 2016 (*Supported by Istanbul Technical University (İTÜ) Research Funds for Graduate School of Science Engineering and Technology*).
- Active Tectonics Research of the Sapanca Lake and Surrounding by means of Geophysical Methods, 2017 [*Supported by Turkish Scientific and Technical Research Council (TUBITAK-1001)*]

Participated Research Projects as Researcher:

- Processing and Interpretation of Marine Geophysical Data, 1997. (*Supported by TR, Prime Ministry State Planning Organisation (DPT) Research Projects, Principle Investigator: Dr. Muzaffer Sanver*).
- Deep Seismic Sounding at Black Sea, 1997. (*Supported by Department de Geotectonique group of France; Turkish Scientific and Technical Research Council (TUBITAK) and Istanbul Technical University (ITU), Departments of Geology and Geophysics, Principle Investigator: Dr. Ruhi Saatçılar*).
- The Evolution of the Southwest Blacksea, the Bosphorus, and the Northwest Marmara Sea During Quaternary, 1998. (*Supported by: Turkish Scientific and Technical Research Council (TUBITAK) and Turkish Naval Forces, Principle Investigator: Dr. Fazlı Yılmaz Oktay*).

- The investigation of the formation of Dardanelles (Strait of Çanakkale) by shallow seismic reflection data, 1999. (*Supported by:* Turkish Scientific and Technical Research Council (TÜBİTAK) and Turkish Naval Forces, *Principle Investigator:* Dr. Emin Demirbağ).
- Seismic Features of Aegean Continental Shelf Area between the Gulfs of İzmir and Saros, 1999. (*Supported by:* Turkish Scientific and Technical Research Council (TÜBİTAK), *Principle Investigator:* Dr. Aysun Güney)
- Sedimentation and Active Tectonics of Marmara Sea, 2001. (*Supported by:* Turkish Scientific and Technical Research Council (TÜBİTAK), Project No: YDABÇAG-197Y044, *Principle Investigator:* İsmail Kuşçu).
- Active Tectonics of the Aegean Sea and Surrounding Regions, Source Parameters of Destructive Earthquakes and Tectonic Settings, 2001. (*Supported by:* Turkish Scientific and Technical Research Council (TÜBİTAK), *Principle Investigator:* Dr. Tuncay Taymaz).
- Geophysical and Geological Studies in the Sea of Marmara, Morphobathymetric, Seismic, and Coring Investigations During Cruise Marmara2000 with R/V Odin Finder, 2001. (*Supported by* Italian National Research Council (CNR); Columbia University, Lamont-Doherty Earth Obs., and Turkish Scientific and Technical Research Council (TÜBİTAK)-Marmara Research Center, Project No: IGM N. 69).
- Investigation of the relation of deep-seated main fault zone and the response of this zone on the sea bed and the uppermost sediments in the Central Basin of the Sea of Marmara, 2004. (*Supported by:* Turkish Scientific and Technical Research Council (TÜBİTAK), Project No: YDABÇAG-102Y105, *Principle Investigator:* Dr. Emin Demirbağ).
- *Eastern Mediterranean Centre for Oceanography and Limnology (EMCOL)*, 2005. (*Supported by* European Union Project, FP6-2004-ACC-SSA-2).
- Active Faults and Historical Earthquakes in the Marmara Region, 2005. (*Supported by* Italian National Research Council (CNR), Turkish Scientific and Technical Research Council (TÜBİTAK)-Marmara Research Center, Turkish Naval Forces (SHOD), General Directorate of Mineral Research and Exploration (MTA)).
- Archeological, Geological and Geophysical Investigation of Hazar Lake (Elazığ), 2006. (*Supported by* Istanbul Technical University (İTÜ) Research Funds).
- Collaborative Research: Basin Evolution along Continental Transforms: Nested Hi-Resolution Multichannel Survey in the Marmara Sea, Turkey, 2007. U.S. National Science Foundation, grant OCE 03-28119, 2/1/2007-9/30/2009. Columbia University (ABD), Istanbul Technical University, Dokuz Eylül University Joint Project.
- Collaborative Research: The North Anatolian Fault in the Marmara Sea, Turkey: The Growth of Continental Transform Basins, 2009. U.S. National Science Foundation, grant OCE 09-28447, 10/1/2009-9/30/2011, Columbia University (ABD), Istanbul Technical University, Dokuz Eylül University Joint Project.
- The North Anatolian Fault system in the Marmara Sea, Turkey - Insights from the Quaternary evolution of a multi-stranded transform", 2015. TÜBİTAK-NSF (National Science Foundation) Collaborative Research Project (Project No:112Y026, *Principle Investigator:* Dr. Seda Okay)

Participated Cruises and Field Studies:

- Shallow, single-channel, high resolution seismic reflection data collection in the Marmara Sea with R/V MTA Sismik-1 (in September, 1994).

- Deep, multi-channel, airgun-source seismic reflection and seismic wide angle data collection in the Black Sea with R/V Le Nadir (in February, 1997).
- Shallow, multi-channel, airgun-source, high resolution seismic reflection data collection for submarine mapping of the active faults in the Gulf of İzmit after the August 17, 1999 devastating earthquake in the Marmara region in Turkey with R/V MTA Sismik-1 (in September, 1999).
- High resolution Sonar, Multibeam (EM300, EM3000) and sea bottom coring for paleoseismology studies in the Marmara Sea and Gulf of İzmit with R/V Odin Finder (in October-November, 2000).
- Morphobathymetric, Geophysical, Coring and Oceanographical Investigations in Marmara Sea and Gulfs of Saros and İzmit with R/V Urania (in September-October, 2005).
- The Active Tectonics and Archeo-geophysical Investigations in the Hazar Lake (Sivrice/Elazığ-Turkey), Collecting high resolution seismic data in the lake (in September 2006)
- Geophysical survey in the Tuzla (Istanbul) and Hersek Peninsulas (Yalova) using ultra high resolution seismic and GPR (Ground Penetrating Radar) methods. (A Joint Research Study of The Department of Geological, Environmental and Marine Sciences at University of Trieste DISGAM-(Italy) and the ITU-EMCOL (Eastern Mediterranean Centre for Oceanography and Limnology, Istanbul Technical University) (in August, 2006).
- Multichannel seismic reflection and Chirp data collection in the Marmara Sea with R/V K. Piri Reis. Columbia University, Istanbul Technical University, Dokuz Eylül University Joint Project (Turkish American Marmara Multichannel Project-TAMAM) (in July, 2008).
- Multichannel seismic reflection data collection in Kazakburun place of Kocaeli province in the west of Sapanca Lake (Within the framework of "Active Tectonic Research in and around Sapanca Lake with Geophysical Data" project of ITU Research Funds for Graduate School of Science Engineering and Technology) (25-26 October 2016).
- Shallow depth-high resolution seismic boomer and multi-beam data collection in Sapanca Lake, Kocaeli-Sakarya (Within the framework of "Active Tectonics Research of the Sapanca Lake and Surrounding by means of Geophysical Methods" TUBITAK-1001 Project) (6-17 August 2018).
- Shallow depth-high resolution seismic chirp and side-scan sonar data collection in Sapanca Lake, Kocaeli-Sakarya (Within the framework of "Active Tectonics Research of the Sapanca Lake and Surrounding by means of Geophysical Methods" TUBITAK-1001 Project) (3-18 November 2018).
- Multichannel seismic reflection and Ground Penetrating Radar data collection in Sakarya province (Within the framework of "Active Tectonics Research of the Sapanca Lake and Surrounding by means of Geophysical Methods" TUBITAK-1001 Project) (3-18 November 2018).

Publications (SCI Articles)

- **Kurt, H.**, Demirbağ, E., Kuşçu, İ., "Investigation of the submarine active tectonism in the Gulf of Gökova, southwest Anatolia-southeast Aegean Sea, by multi-channel seismic reflection data", *Tectonophysics*, **305**, 477-496 (1999).
- Okay, A. I., Demirbağ, E., **Kurt, H.**, Okay, N., Kuşçu, İ., "An active, deep marine strike-slip basin along the North Anatolian fault in Turkey", *Tectonics*, **18**, 127-147 (1999).
- **Kurt, H.**, Demirbağ, E., Kuşçu, İ., "Active submarine tectonism and formation of the Gulf of Saros, Northeast Aegean Sea, inferred from multi-channel seismic reflection data", *Marine Geology*, **165**, 13-26 (2000).

- **Kurt, H.**, "Joint Inversion of AVA Data for Elastic Parameters by Bootstrapping", *Computers and Geosciences*, **33**, 367-382 (2007).
- Demirbağ, E., **Kurt, H.**, Düşünür, D., Sarıkavak, K., Çetin, S., "Constructing a 3D structural block diagram of the Central Basin in Marmara Sea by means of bathymetric and seismic data", *Marine Geophysical Researches*, **28**, 343-353 (2007).
- **Kurt, H.** ve Yücesoy, E., "Submarine Structures in the Gulf of İzmit, based on Multichannel Seismic Reflection and Multibeam Bathymetry", *Marine Geophysical Researches*, **30**, 73-84 (2009).
- Sorlien, C.C., Akhun, S.D., Seeber, L., Steckler, M., Shillington, D., **Kurt, H.**, Çifçi, G., Poyraz, D., Gürçay, S., Dondurur, D., İmren, C., Perinçek, E., Okay, S., Küçük, H.M., Diebold, J., "Uniform basin growth over the last 500 ka, North Anatolian Fault, Marmara Sea, Turkey", *Tectonophysics*, 518-521, 1-16 (2012).
- Shillington, D.J., Seeber, L., Sorlien, C.C., Steckler, M.S., **Kurt, H.**, Dondurur, D., Çifçi, G., İmren, C., Cormier, M.-H., McHugh, C.M.G., Gürçay, S., Poyraz, D.T., Okay, S., Atgın, O., Diebold, J.B., "Slow-motion collapse on the flanks of the Sea of Marmara transform basin", *Geology*, **40**, 439-442, (2012).
- **Kurt, H.**, Sorlien, C.C., Seeber, L., Steckler, M.S., Shillington, D.J., Cifci, G., Cormier, M.-H., Dessa, J.-X., Atgın, O., Dondurur, D., Demirbag, E., Okay, S., Imren, C., Gurcay, S., Carton, H., "Steady late quaternary slip rate on the Cinarcik section of the North Anatolian fault near Istanbul, Turkey", *Geophysical Research Letters*, **40**, 4555-4559, (2013).
- Forte, E. Sukan, M., Del Ben, A., Pipan, M., Gasperini, L. and **Kurt, H.**, "Multidisciplinary analyses to understand the tectonic activity and the evolution of the North Anatolian Fault in the Hersek Peninsula (Izmit Gulf, Turkey)", *Bollettino di Geofisica Teorica e Applicata (BGTA)*, 55 (3), 589-616, (2014).

Publications (Proceedings and Extended Abstracts):

- Demirbağ, E., **Kurt, H.**, Yılmaz, B., Caner, İ., Şimşek, M., Alpar, B., "Shallow marine geophysics on offshore Yedikule-Büyükçekmece-Silivri (Istanbul) by high resolution seismic reflection profiling", *Proc. 1st International Symposium on Deformations in Turkey*, Istanbul, 537-546, 5-9 September, 1994.
- Ecevitoglu, B., Plevne, T., Kahraman, H., Demirbağ, E., Özhan, G., Çete, M., Çevikayak, E., Gürer, A., Çelik, İ., **Kurt, H.**, Göçmen, C., ve Kavukçu, C., "Enhancement of Source Wavelet in Shallow Marine Seismics", *Nezihi Canitez Symposium, Special issue of Jeofizik*, Istanbul Technical University, Faculty of Mines, Istanbul, Extended Abstracts, Vol. 9, No: 1-2, 271-278, 1995. (in Turkish).
- **Kurt, H.**, Demirbağ, E., Kuşçu, İ., Ecevitoglu, B., Karagöz, Ş., Göçmen, C., "On the active tectonism of the Gulf of Gokova", *1. Meeting of Active Tectonic Research Group (ATAG)*, Istanbul Technical University, Institute of Eurasia Earth Science, Articles Book, (Eds: Serdar Akyüz and Aykut Barka), Istanbul, 137-146, 1998. (in Turkish).
- Demirbağ, E., Gökaşan, E., **Kurt, H.**, Tepe, C.M., "On the Origin of the Formation of Northeast Dardanelles", The Scientific and Technical Research Council of Turkey-TUBITAK, *National Marine Geology and Geophysics Program, Workshop-IV*, Vefa-Istanbul, 14-15 May, 1998. (in Turkish).
- Şengör, A.M.C., Demirbağ, E., Tüysüz, O., **Kurt, H.**, Görür, N., Kuşçu, I., "A preliminary note on the structure of the Gulf of İzmit: implications for the westerly prolongation of the North Anatolian Fault", *Proc. İTÜ-IAHS International Conference on the Kocaeli Earthquake*, Istanbul, p.25-37, 1999.

- Okay, A.I., Demirbağ, E., Özcan-Kaşlılar, A., Boztepe-Güney, A., **Kurt, H.**, Okay, N., Kuşçu, İ., "North Anatolian Fault System under the Marmara Sea", *Proc. İTÜ-IAHS International Conference on the Kocaeli Earthquake*, Istanbul, p.9-15, 1999.
- Kuşçu, İ., Demirbağ, E., **Kurt, H.**, Özcan-Kaşlılar, A., Güney, A., İmren, C., "The North Anatolia Fault zone under the Sea of Marmara, imaged by seismic reflection profiles", *Proc. Active Fault Research for the New Millenium, Hokudan International Symposium and School on Active Faulting*, Hokudan-Japan, p.199-208, 17-26 January, 2000.
- **Kurt, H.**, Demirbağ, E., Kuşçu, İ., "Submarine tectonism in the gulf of Gökova by means of multi-channel seismic reflection data", *Proc. Workshop on Active Tectonics of Western Turkey in memoriam to Paul L. Hancock*, Istanbul Technical University-Istanbul, 15-16 June, 2000.
- Polonia, A., Cormier, M. H., Çağatay, M. N., Bortoluzzi, G., Bonatti, E., Gasperini, L., Seeber, L., Görür, N., Capotondi, L., McHugh, C. M., Ryan, W. B. F., Emre, Ö., Okay, N., Ligi, M., Tok, B., Blasi, A., Buseti, M., Eriş, K., Fabretti, P., Fielding, E. J., İmren, C., **Kurt, H.**, Magagnoli, A., Marozzi, G., Özer, N., Penitenti, D., Serpi, G., Sarkavak, K., "Exploring Submarine Earthquake Geology in the Marmara Sea", *EOS Transactions American Geophysical Union*, v.83, n.21, p.229, 2002.
- **Kurt, H.**, Demirbağ, E., Özer, N., "Investigation of the active tectonism in the Gulf of Gökova on the basis of seismic reflection and seismicity data", *Türkiye Quaternary Symposium-V (TURQUA-V)*, Istanbul Technical University (İTÜ), Institute of Eurasia Earth Sciences, Extended Abstract-Addition Chapter, Istanbul, p.278-282, 2-3 June, 2005. (in Turkish).
- **Kurt, H.**, Yücesoy, E., "Investigation of submarine active tectonism in the gulf of İzmit by multi-channel seismic reflection data", *Proc. 17th International Geophysical Congress&Exhibition by CGET, CD Press, Ankara-Turkey, 14-17 November, 2006*.
- Demirbağ, E., **Kurt, H.**, Damcı, E., "The Active Tectonics and Archeogeophysical Investigations in the Hazar Lake (Sivrice/Elazığ-Turkey) by means of Seismic Reflection Method", *Türkiye Quaternary Symposium-V (TURQUA-VI)*, Istanbul Technical University (İTÜ), Institute of Eurasia Earth Sciences, Extended Abstract, Istanbul, p.154-158, 16-18 May, 2007. (in Turkish).
- Steckler, M., Çifçi, G., Demirbağ, E., Akhun, S.D., Diebold, J., Dondurur, D., Gürçay, S., İmren, C., **Kurt, H.**, Okay, S., Perinçek, E., Seeber, L., Shillington, D., Timur, D., "High Resolution Multichannel Imaging of Basin Growth along a Continental Transform: The Marmara Sea along the North Anatolian Fault in NW Turkey", *International Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region, 500th Anniversary Year of the 1509 September 10, Marmara Earthquake* Proceedings: p.175-176, Istanbul-Taşkışla, 10-12 August, 2009.
- Seeber, L., Okay, S., Perinçek, E., Sorlien, C., **Kurt, H.**, "Basins beyond Bends along Continental Transforms in NW Turkey and southern California: asymmetrical and time-transgressive growth", *International Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region, 500th Anniversary Year of the 1509 September 10, Marmara Earthquake* Proceedings: p.384-385, Istanbul-Taşkışla, 10-12 August, 2009.
- **Kurt, H.**, Cormier, M.H., Seeber, L., "A Young Origin for the Gulf of İzmit, Eastern Marmara Sea, Turkey", *XVIII. International Scientific Conference On Marine Geology*, Moscow-Russia, V.5, p.196-197, 16-20 November, 2009.
- Karagöl, V. and **Kurt, H.**, Petrophysical properties of three reservoir models by means of AVA data modeling, Society of Exploration Geophysicists (SEG), 17-19 September, Istanbul, 2012.
- İnan, Ü.S. and **Kurt, H.**, "Seismic attribute analysis for gas content and structural interpretation in the Karamursel Basin, gulf of İzmit", *19th International Petroleum and Natural Gas Congress*

and Exhibition of Turkey (IPETGAS-2013), Extended Abstracts, p.67-69, 15-17 May, Ankara, (2013).

- Atgın, O., Çifçi, G., Sorlien, C., Seeber, L., Steckler, M., Shillington, D., **Kurt, H.**, Dondurur, D., Okay, S., Gürçay, S., Sarıtaş, H., Küçük, H.M., " Study of Active tectonism of the Cinarcik Basin and the North Anatolian Fault in the Sea of Marmara using multichannel seismic reflection and multibeam bathymetry data", *19th International Petroleum and Natural Gas Congress and Exhibition of Turkey (IPETGAS-2013)*, Extended Abstracts, p.81-85. 15-17 May, Ankara, (2013). (in Turkish)
- İnan, Ü.S. ve **Kurt, H.**, "Seismic Attribute Analysis for Structural Interpretation and Gas Content of the Karamürsel Basin, Gulf of Izmit", *The 20th International Geophysical Congress&Exhibition of Turkey*, Extended Abstracts, p.228-231. 25-27 November, Antalya, (2013). (in Turkish)
- **Kurt, H.**, Sorilen, C., Seeber, L., Steckler, M., Shillington, D., Cifci, G., Dondurur, D., Atgın, O., Okay, S., "Seismic Stratigraphy and Structural Investigations in Cinarcik Basin, Marmara Sea", Extended Abstracts, p.102-109. 26-28 December, Istanbul, Kadir Has University, (2014). (in Turkish)
- İnanç, B. and **Kurt, H.**, "Interpretation of AVO Cross-Plots and Their Relation with Physical Properties of the Earth and Fluid Types", *20th International Petroleum and Natural Gas Congress and Exhibition of Turkey (IPETGAS-2015)*, Extended Abstracts, p.579-582, 27-29 May, Ankara, (2015).
- Ünal, Z. and **Kurt, H.**, "The Effects of the Porosity and Fluid Type on the Seismic Amplitudes versus Angle Data (AVA)", *20th International Petroleum and Natural Gas Congress and Exhibition of Turkey (IPETGAS-2015)*, Extended Abstracts, p.227-230, 27-29 May, Ankara, (2015). (in Turkish)
- Okut, N.G., Altan, Z., and **Kurt, H.**, "Study on Forward Seismic and AVA Modelling for Coal Seam", *20th International Petroleum and Natural Gas Congress and Exhibition of Turkey (IPETGAS-2015)*, Extended Abstracts, p.576-578, 27-29 May, Ankara, (2015).
- Öz, A., **Kurt, H.**, Okut-Toksoy, N.G., 2017. Velocity Anomalies in Time Domain Seismic Sections. *Yerbilimlerinde Öğrenci Bitirme Tasarım Projeleri Sempozyumu (YER 2017)*, İTÜ-Maden Fakültesi, Temmuz 2017. Bildiriler Kitabı, s.257-260.
- Gönül, E., **Kurt, H.**, Okut-Toksoy, N.G., 2017. Tuz Kubbelerinde Düz Çözümle Sismik Modelleme. *Yerbilimlerinde Öğrenci Bitirme Tasarım Projeleri Sempozyumu (YER 2017)*, İTÜ-Maden Fakültesi, Temmuz 2017, Bildiriler Kitabı, s. 299-303.
- Okut-Toksoy, N.G., İnanç, B. and **Kurt, H.**, 2018. Seismic Imaging of North Anatolian Fault (NAF) in the Eastern Marmara Region, Turkey. *European Association of Geoscientists & Engineers (EAGE), Near Surface Geoscience*, DOI: 10.3997/2214-4609.201802556, Porto, Portugal, 9-13 September
- Acar, D., Önder, Ş., Alpar, B., İşseven, T., Demirbağ, E., **Kurt, H.**, Özeren, S., Postacıoğlu, N., İmren, C., Okut-Toksoy, N.G., 2018. A New Design Wave Simulator for Realistic Earthquake Experiments: Usage of the One Wave Actuator as a Sequential Source of P and S-Type Waveforms. *9th International INQUA Meeting on Paleoseismology, Active Tectonics and Archeoseismology (PATA)*, Proceedings, p.1-2, 25 - 27 June 2018, Possidi, Greece
- İnanç, B., Okut-Toksoy, **Kurt, H.**, 2018. Doğu Marmara Bölgesi'nde Sismik Kırılma Tomografi Yöntemiyle Kuzey Anadolu Fayı'nın Araştırılması. *Türkiye Ulusal Jeodezi ve Jeofizik Birliği Bilimsel Kongresi, Bildiri Kitabı*, s.499-502, 30 Mayıs - 2 Haziran 2018, İzmir
- Gül, F., Okut-Toksoy, **Kurt, H.** 2018. GPR and seismic characterization of subsurface heat gallery at the ITU Ayazaga Campus, Istanbul. *VII International Conference of Young Scientists*

Publications (Abstracts):

- **Kurt, H.**, Demirbağ, E., ve Şimşek, M., "Marine geophysics on offshore between Yedikule-Büyücekmece (Istanbul)", *The 47. Geological Congress of Turkey*, Abstracts, p.87, Ankara-Turkey, 21-24 February, 1994. (in Turkish).
- Ecevitoglu, B., Demirbağ, E., Üst, S., Kuşçu, İ., **Kurt, H.**, Karagöz, Ş., Göçmen, C., Yanmaz, M., Kavukçu, C., Demirkök, F., Sarıkavak, K., "Interpretation of diffracted-refractions in shallow marine seismics", *The Scientific and Technical Research Council of Turkey-TUBITAK, National Marine Geology and Geophysics Program, Workshop-IV*, Vefa-Istanbul, Abstracts, p.3, 3 June, 1996. (in Turkish).
- **Kurt, H.** and Demirbağ, E., "Elastic constants from AVO Inversion", *European Geophysical Society Meeting, Annales Geophysicae*, Vienna-Austria, Supplement to Vol.15, p.68, 21-25 April, 1997.
- **Kurt, H.**, and Demirbağ, E., "Elastic parameters from AVA data by a joint procedure of inversion and bootstrapping", *International Geophysical Conference and Exposition, Society of Exploration Geophysicists, The Chamber of Geophysical Engineers of Turkey, and The European Association of Geoscientists and Engineers*, Istanbul, p.87, 7-10 July, 1997.
- **Kurt, H.**, Demirbağ, E., Kuşçu, İ., "Interpretation of Marine Seismic Reflection Data from the Gulf of Gökova (Southeastern Aegean Sea)", *American Geophysical Union Spring Meeting*, Boston-USA, p.338, 26-29 May, 1998.
- Okay, A. I., Demirbağ, E., **Kurt, H.**, Okay, N., Kuşçu, İ., "The formation of the Tekirdağ basin in the Marmara Sea". *The Scientific and Technical Research Council of Turkey-TUBITAK, National Marine Geology and Geophysics Program, Workshop-IV*, Vefa-Istanbul, Abstracts, p.1-3, 14-15 May, 1998. (in Turkish).
- Okay, A. I., Demirbağ, E., **Kurt, H.**, Okay, N., Kuşçu, İ., "How did the Marmara Sea formed?", *Mineral Research and Exploration (MTA)-Congress of Earth Sciences and Mining for the 75th Anniversary of the Turkish Republic*, Ankara-Turkey, Abstracts, p.34-35, 2-6 November, 1998. (in Turkish).
- Okay, A.İ., Demirbağ, E., **Kurt, H.**, Okay, N., Kuşçu, İ., "The role of Ganos fault in the formation of the western Marmara Sea", *2. Meeting of Active Tectonic Research Group (ATAG)*, Istanbul Technical University, Institute of Eurasia Earth Science, Istanbul, Abstracts p.17, 10-11 December, 1998. (in Turkish).
- Okay, A., Kaşlılar-Özcan, A., Boztepe-Güney, A., İmren, C., Demirbağ, E., **Kurt, H.**, Okay, N., Kuşçu, İ., "The North Anatolian fault under the Marmara Sea", *25th General Assembly of European Geophysical Society*, Nice-France, Geophysical Research Abstracts (CD Press, ISSN:1029-7006), Volume 2., 2000.
- **Kurt, H.**, Demirbağ, E., Kuşçu, İ., "Geophysical and geological interpretations of the marine multi-channel seismic data from the Gulf of Saros", *International Earth Sciences Colloquium on the Aegean Region (IESCA-2000)*, Dokuz Eylül Üniversitesi-İzmir, Abstracts, p.197, 25-29 September, 2000.
- Okay, A.I., Demirbağ, E., Özcan-Kaşlılar, A., İmren, C., **Kurt, H.**, Boztepe-Güney, A., Okay, N., Kuşçu, I., "Active faults and strike-slip basins in the Marmara sea, northwest Turkey", *International Earth Sciences Colloquium on the Aegean Region (IESCA-2000)*, Dokuz Eylül University, Izmir, Abstracts, p.6, 25-29 September, 2000.

- Tüysüz, O., Tarı, U., **Kurt, H.**, Demirbağ, E., Kuşçu, İ., "Geology of the Gulf of İzmit, NW Turkey", *4th International Turkish Geology Symposium*, Çukurova University-Adana, Abstracts, p.127, 24-28 September, 2001.
- McHugh, C.M., Polonia, A., Cagatay, M.N. Cormier, M.H., Seeber, L., Tran, W.B., Gasperini, L., Ligi, M., Bonatti, E., Bortoluzzi, G., Capotondi, L., Blasi, A., Fabretti, P., Marozzi, G., Magagnoli, A., Penitenti, D., Buseti, M., Görür, N., Emre, O., Okay, N., Sarıkavak, K., **Kurt, H.**, İmren, C., Eriş, K., Tok, B., Özer, N., "The Feasibility Of Submarine Paleoseismology: The North Anatolian Fault Beneath The Marmara Sea (Turkey) As A Natural Laboratory", *American Geophysical Union 2001 Fall Meeting, EOS Trans.*, San Francisco-USA, Abstracts, S52C-0653, 10-14 December, 2001.
- Erturaç, M. K., Tarı, U., Tüysüz, O., **Kurt, H.**, Demirbağ, E., "Stratigraphy and the depositional environments of the Plio-Quaternary deposits of the Eastern Marmara Region, NW Turkey", *EGS-AGU-EUG Joint Assembly*, Nice-France, Abstracts, Abstract#447, 6-11 April, 2003.
- Özer, N., Altınok, Y., **Kurt, H.**, Kolçak, D., "Temporal and spatial variations of aftershock activity in the Gulf of Gökova, Southwest Turkey", *European Geosciences Union*, Vienna-Austria, Geophysical Research Abstracts, Vol. 7, 08585, 24-29 April, 2005.
- **Kurt, H.**, Özer, N., Demirbağ, E., "On the Causes of Recent Seismicity in the Gulf of Gökova in terms of Tectonism and Volcanism", *International Symposium on the Geodynamics of Eastern Mediterranean: Active Tectonics of the Aegean*, Kadir Has University-Istanbul, Abstracts, p.124, 15-18 June, 2005.
- Özer, N., Altınok, Y., Ceylan, S., **Kurt, H.**, Kolçak, D., "Aftershock Sequences in Akşehir-Afyon and Gökova Grabens, Turkey", *International Earth Sciences Colloquium on the Aegean Regions (IESCA-2005)*, Dokuz Eylül University-Izmir, Abstracts, p.258, 4-7 October, 2005.
- Gasperini, L., Polonia, A., Cagatay, N., Ferrante, V., Bortoluzzi, G., Görür, N., **Kurt, H.**, İmren, C., "Submarine earthquake geology in the Marmara Sea: a multidisciplinary approach for seismic risk assessment in coastal areas", *European Geosciences Union, General Assembly*, Vienna-Austria, Abstracts EGU06-A-06206, 2-7 April, 2006.
- Demirbağ, E., Düşünür, D., **Kurt, H.**, Sarıkavak, K., Çetin, S., "Constructing a 3D block diagram of the tectonic features in the Central Basin, the Marmara Sea, by means of bathymetric and seismic reflection data", *International Workshop on Comparative studies of the North Anatolian Fault (Northwest Turkey) and the San Andreas Fault (Southern California)*, Istanbul Technical University-Istanbul, Abstracts p.47, 14-18 August, 2006.
- **Kurt, H.**, Yücesoy, E., "Structural Interpretation of Multi-Channel Seismic Reflection Data in the Gulf of İzmit, Marmara Sea", *International Workshop on Comparative studies of the North Anatolian Fault (Northwest Turkey) and the San Andreas Fault (Southern California)*, Istanbul Technical University-Istanbul, Abstracts p.63, 14-18 August, 2006.
- Akhun, S.D., Büyükaşık, A.E., Cevatoğlu, M., Çifçi, G., Coşkun, S., Demirbağ, E., Diebold, J., Dondurur, D., Gürçay, S., İmren, C., Küçük, H.M., **Kurt, H.**, Özer, P.G., Perinçek, E., Seeber, L., Shillington, D., Sorlien, C.C., Steckler, M., Timur, D., "International Collaboration Images the North Anatolian Fault System in Marmara Sea, Turkey: Subsidized Lowstand Deltas, Overlapping Basin Fill, Thrust-Fold Transverse Ridges, Transtension, and Distributed Active Faulting" *Southern California Earthquake Center (SCEC) Annual Meeting*, California-ABD, Proceedings and Abstracts, Volume XVIII, p.133, 6-11 September, 2008.
- Sorlien, C.C., Seeber, L., Diebold, J., Shillington, D., Steckler, M., Gürçay, S., Küçük, H.M., Akhun, S.D., Timur, D., Dondurur, D., **Kurt, H.**, Perinçek, E., Özer, P.G., İmren, C., Coşkun, S., Büyükaşık, A.E., Cevatoğlu, M., Çifçi, G., Demirbağ, E., "The Seismic Stratigraphic Record of Quaternary Deformation Across the North Anatolian Fault System in Southern Marmara Sea, Turkey" *Eos Trans. AGU*, 89(53), *Fall Meet. Suppl.*, Abstract "T21A-1915", December, 2008.

- Steckler, M., Çifçi, G., Demirbağ, E., Akhun, S.D., Büyükaşık, A.E., Cevatoğlu, M., Coşkun, S., Diebold, J., Dondurur, D., Gürçay, S., İmren, C., Küçük, H.M., **Kurt, H.**, Özer, P.G., Perinçek, E., Seeber, L., Shillington, D., Sorlien, C.C., Timur, D., "High Resolution Multichannel Imaging of Basin Growth Along a Continental Transform: The Marmara Sea Along the North Anatolian Fault in NW Turkey" *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract "T21A-1921", December, 2008.
- Seeber, L., Sorlien, C.C., Shillington, D., Dondurur, D., Gürçay, S., Diebold, J., İmren, C., **Kurt, H.**, Steckler, M., Çifçi, G., Demirbağ, E., and Scientific Party of TAMAM08 Cruise., "Basin Growth Along the North Anatolian Continental Transform: The TAMAM08 High-Resolution Multichannel Survey in the Marmara Sea" 62nd Geological Congress of Turkey, Mineral Research and Exploration (MTA)-Ankara, 13-17 April, 2009.
- Dikmen, B., **Kurt, H.**, "The Effect of Porosity and Fluid Type on Amplitude Versus Angle (AVA) Data", *Earth Science and Engineering Education Symposium and Student Graduation Project Exhibition, Istanbul Technical University, Faculty of Mines, Istanbul*, 2 June, 2009. (in Turkish).
- Shillington, D.J., Dondurur, D., Seeber, L., Steckler, M.S., Sorlien, C.C., Diebold, J.B., Çiftci, G., Gurçay, S., Okay, S., Imren, C., **Kurt, H.**, Timur, D., Demirbag, E., "Gas, slumps and faulting in the Marmara Sea: new results from TAMAM high-resolution seismic reflection data", *AGU Fall Meet. Suppl.*, Abstract "T13C-1881", December, 2009.
- Çifçi, G., Steckler, M.S., Sorlien, C.C., Seeber, L., Dondurur, D., Gürçay, S., Diebold, J.B., Okay, S., Shillington, D.J., Akhun, S.D., Timur, D., Perincek, E., İmren, C., **Kurt, H.** and Demirbağ, E., "Multiple Seismic Studies in the Marmara Sea for High Resolution Mapping of the North Anatolian Fault", *39th CIESM Congress*, Venice, 10-14 May 2010, In: Rapp. Comm. Int. Mer. Medit., 39, p.26, 2010.
- **Kurt, H.**, Seeber, L., Sorlien, C., Steckler, M., Shillington, D., Timur, D., Perinçek, E., Dondurur, D., Structural development of basins associated with bends on continental transforms: the North Anatolian fault in NW Turkey and the San Andreas fault in southern California, Southern California Earthquake Center (SCEC) Annual Meeting, Palm Springs-California, USA, 11-15 September, 2010.
- Shillington, D., Seeber, L., Sorlien, C., Steckler, M.S., **Kurt, H.**, Çifçi, G., İmren, C., Dondurur, D., Gürçay, S. and Timur, D., Demirbağ, E., "Slow-motion gravitational collapse on the flanks of a rapidly subsiding transform basin: the Marmara Sea, Turkey", *AGU Fall Meeting, San Fransisco*, 13-17 December, 2010.
- Karagöl, V., **Kurt, H.**, "The Effects of Porosity on the Angle Dependent Reflectivity", *18th International Petroleum and Natural Gas Congress and Exhibition of Turkey (IPETGAS 2011)*, Ankara, Turkey, 11-13 May, 2011.
- **Kurt, H.**, Sorlien, C., Seeber, L., Steckler, M., Shillington, D., Cifci, G., Demirbag, E., Cormier, M.H., Atgin, O., Barin, B., Dondurur, D., Imren, C., Gurçay, S., Okay, Quaternary Evolution of Cınarcık Basin, Marmara Sea, Turkey from structural and stratigraphic interpretation of multiple resolutions of seismic reflection data, *AGU Fall Meet. Suppl.*, Abstract, "T31F-08", 5-9 Dec., 2011.
- Sorlien, C., Seeber, L., Steckler, M., Shillington, **Kurt, H.**, D., Cifci, G., S., Okay, Cormier, M.H., Atgin, O., Barin, B., Gurçay, S., Dondurur, D., Imren, C., Mc Hugh, C.M, Steady-state Quaternary Basin Formation Along the North Anatolian Fault System in Marmara Sea, Turkey, *AGU Fall Meet. Suppl.*, Abstract, "T33G-2500", 5-9 Dec., 2011.
- Atgin, O., Çifçi, G., Okay, S., Sorlien, C., **Kurt, H.**, Kuzey Anadolu Fayı'nın Marmara İçerisindeki Devamının ve Çınarcık Baseni'nin Çok Kanallı Sismik Yansıma Verileri ile İncelenmesi/Investigation of the Continuation of the North Anatolian Fault within the Sea of

Marmara and Çınarcık Basin with Multichannel Seismic Reflection Data, 65th Geological Congress of Turkey, Ankara, 2-6 April, 2012 (in Turkish).

- Atgın, O., Çifçi, G., Sorlien, C., Seeber, L., Steckler, M., Shillington, D., **Kurt, H.**, Dondurur, D., Okay, S., Gürçay, S., Sarıtaş, H., Küçük H.M., 2012. Investigation of Çınarcık Basin and North Anatolian Fault within the Sea of Marmara with Multichannel Seismic Reflection Data. *European Geosciences Union, EGU Spring Meeting, Vienna-Austria, A472 EGU 2012-1998, April 2012.*
- **Kurt, H.**, Sorlien, C., Seeber L., Steckler, M., Shillington, D., Çifçi, G., Okay, S., Cormier, M.H., Atgın, O., Gürçay, S., Dondurur, D., İmren, C., McHugh, C., 2012. Steady late Quaternary slip on the North Anatolian fault in Çınarcık Basin, Marmara Sea. *International Earth Science Colloquium on the Aegean Region (IESCA), Dokuz Eylül University, İzmir, Turkey, 1-5 October.*
- Okay, S., Sorlien C., Çifçi, G., Steckler, M., Seeber, L., Shillington, D., Cormier, M.H., Barın, B., Dondurur, D., Gürçay, S., **Kurt, H.**, 2012. The evolution and activity of strands of the Central Branch of the North Anatolian Fault in Marmara Sea. *International Earth Science Colloquium on the Aegean Region (IESCA), Dokuz Eylül University, İzmir, Turkey, 1-5 October.*
- Sorlien C.S., Seeber, L., Shillington, D.J., **Kurt, H.**, Çifçi, G., Okay, S., Cormier, M.H., Barın, B., Atgın, O., Gürçay, S., Dondurur, D., İmren, C., McHugh, C., 2012. Quaternary basin formation along the North Anatolian Fault System in Marmara Sea, Turkey. *International Earth Science Colloquium on the Aegean Region (IESCA), Dokuz Eylül University, İzmir, Turkey, 1-5 October.*
- Seeber, L., Sorlien, S., Cormier, M.H., Shillington, D., Steckler, M., Çifçi, G., Okay, S., **Kurt, H.**, McHugh, C., Barın, B., Atgın, O., Gürçay, S., Dondurur, D., İmren, C., 2012. Horizontal offsets on the North Anatolian fault (NAF) coupled with basin formation in the Marmara Sea. *International Earth Science Colloquium on the Aegean Region (IESCA), Dokuz Eylül University, İzmir, Turkey, 1-5 October.*
- Atgın, O., Çifçi, G., Sorlien, C., Seeber, L., Steckler, M., Shillington, D., **Kurt, H.**, Dondurur, D., Okay, S., Gürçay, S., Sarıtaş, H., Küçük, M., 2012. Active tectonism of the Çınarcık Basin and the North Anatolian Fault in the Sea of Marmara using multichannel seismic reflection and multibeam bathymetry data, *International Earth Science Colloquium on the Aegean Region (IESCA), Dokuz Eylül University, İzmir, Turkey, 1-5 October.*
- Shillington, D., Seeber, L., Sorlien, C., Steckler, M., **Kurt, H.**, Dondurur, D., Çifçi, G., İmren, C., Cormier, M.H., McHugh, C., Gürçay, S., Poyraz, D., Okay, S., Atgın, O., 2012. Evidence for widespread gravitational creep and abundant gas in the Sea of Marmara transform basin from the TAMAM project, *International Earth Science Colloquium on the Aegean Region (IESCA), Dokuz Eylül University, İzmir, Turkey, 1-5 October.*
- Shillington, D., Seeber, L., Sorlien, C., **Kurt, H.**, Steckler, M., and TAMAM Scientific Party, 2012. Constraints on the Evolution of the Marmara Sea Transform Basin from High-Resolution Seismic Reflection Data. *Geological Society of America (GSA) Annual Meeting in Charlotte, North Carolina, USA, Paper No. 255-7, 4-8 November.*
- Atgın, O., Cifci, G., Sorlien, C., Seeber, L., Steckler, M.S., Shillington, D.J., **Kurt, H.**, Dondurur, D., Okay, S., Gurçay, S., Saritas, H. and Kucuk, H.M., 2012. Time-variable deformation during last 135ka North anatolian fault in Çınarcık basin from high resolution multichannel seismic reflection data. *International Geoscience Workshop of Korea, Azerbaijan and Turkey-KAT2012, Abstracts, p.53, 5-7 November 2012, Denizli.*

- Atgın, O., Çifçi, G., Sorlien, C., Seeber, L., Steckler, M., Sillington, D., **Kurt, H.**, Dondurur, D., Okay, S., Gürçay, S., Sarıtaş, H., Küçük H.M., Barın, B. 2013. Investigation Of North Anatolian Fault In The Sea Of Marmara: Fault Geometry, The Cumulative Extension, Age Modeling In Çınarcık Basın Using Multi Channel Seismic Reflection Data. European Geosciences Union (EGU) General Assembly, V.15 EGU2013-9266-1, Vienna, Austria.
- Sorlien, C.C., Seeber, L., **Kurt, H.**, Shillington, D.J., Steckler, M.S., Çifçi, G., Okay, S., Barın, B., Atgın, O., Dondurur, D., Cormier, M.-H., McHugh, C.M., 2013. Steady Quaternary Deformation along the North Anatolian Fault System in Marmara Sea, Turkey. Regional Committee on Mediterranean Neogene Stratigraphy (RCMNS) 14th Congress, Neogene to Quaternary Geological Evolution of Mediterranean, Paratethys and Black Sea. Abstracts, p.35, 8-12 September, Istanbul.
- **Kurt, H.**, 2014. "Submarine Active Tectonism and Seismic Stratigraphy in the Gulf of İzmit, Marmara Sea-Turkey", Geological Society of America (GSA) Annual Meeting in Vancouver, British Columbia, 19-22 October (2014)
- İnanç, B., and **Kurt, H.**, "Interpretation of AVA Cross-Plots in terms of Seismic Velocities for Reservoir Rocks", YER 2015- Yerbilimlerinde Üniversite-Sanayi İşbirliği Sempozyumu ve Öğrenci Bitirme Tasarım Projeleri Sergisi, Istanbul Technical University, Faculty of Mines, 10 June (2015)
- **Kurt, H.**, Sorlien, C.C., Seeber, L., Steckler, M., Shillington, D.J., Çifçi, G., Dondurur, D., Okay, S., 2015. "Structural development of the basin associated with bends on the North Anatolian fault in NW", Japan Geoscience Union Meeting, Tokyo, Japan, 24-28 May (2015).
- Okut-Toksoy, N.G., **Kurt, H.**, İşseven, T., 2017. Preliminary Interpretations of Multi-Channel Seismic Reflection and Magnetic Data on North Anatolian Fault (NAF) in the Eastern Marmara Region, Turkey. EGU General Assembly 2017, Vol. 19, EGU2017-12690-1, 2017.
- Doran, B., **Kurt, H.**, Sorlien, C., Çifçi, G., Dondurur, D., Okay, S., Seeber, L., Steckler, M., Shillington, D., 2018. "Marmara Denizi-Kumburgaz Havzası'nda Çok Kanallı Sismik Yansıma Verilerinin İncelenmesi", 3. Ulusal Deniz Bilimleri Konferansı, Dokuz Eylül Üniversitesi, 9-12 Mayıs 2018, İzmir.
- Emegen, M., Okut-Toksoy, N.G., **Kurt, H.**, 2018. "Düzlemsel ve listrik faylarda sismik modelleme ve Gökova Körfezi'nden bir örnek", 3. Ulusal Deniz Bilimleri Konferansı, Dokuz Eylül Üniversitesi, 9-12 Mayıs 2018, İzmir.
- İnanç, B., **Kurt, H.**, Gönül, E., Okut-Toksoy, N.G., İşseven, T., Demirbağ, Tün, M., 2019. "New Insight On The North Anatolian Fault From Multi-Channel Seismic Reflection Imagery In Adapazarı Basın, Eastern Marmara", IESCA 2019 (International Earth Science Colloquium On the Aegean Region 2019), Dokuz Eylül University, 7-11 October 2019, İzmir
- Gönül, E., İregör, G., **Kurt, H.**, Okut-Toksoy, N.G., İnanç, B., İşseven, T., Demirbağ, E., 2019. "Processing and interpretation of boomer-sourced high-resolution shallow seismic data acquired in Lake Sapanca, Turkey", IESCA 2019 (International Earth Science Colloquium On the Aegean Region 2019), Dokuz Eylül University, 7-11 October 2019, İzmir
- Atgın, O., Çifçi, G., Dondurur, D., Özel, Ö., Gürçay, S., Sorlien, C., Steckler, M., Seeber, L., Shillington, D., **Kurt, H.**, İmren, C., Demirbağ, E., Barın, B., 2019. "TAMAM (Turkish American Marmara Multichannel) Project in the Marmara Sea", 23.ATAG (Active Tectonics Research

Group) Meeting, 20th Anniversary of the 1999 Marmara Earthquakes, 15-18 October, Istanbul Technical University

- Okay, S., Sorlien, C., Çifçi, G., Steckler, M., Seeber, L., Barın, B., Grall, C., Cormier, M.H, **Kurt, H.**, Atgın, O., Özel, Ö., 2019. "Distributed late Quaternary active faulting along the Southern Shelf of the Sea of Marmara, Central Branch of the North Anatolian Fault, Turkey", 23.ATAG (Active Tectonics Research Group) Meeting, 20th Anniversary of the 1999 Marmara Earthquakes, 15-18 October, Istanbul Technical University
- İnanoğlu, B., **Kurt, H.**, Gönül, E., Okut-Toksoy, N.G., İşseven, T., Demirbağ, E., Tün, M., 2019. "Structural and Stratigraphic Research On The North Anatolian Fault Based On Multi-Channel Seismic Reflection Data In Adapazarı Basin, Eastern Marmara", 23.ATAG (Active Tectonics Research Group) Meeting, 20th Anniversary of the 1999 Marmara Earthquakes, 15-18 October, Istanbul Technical University