

Dr. Tolga Görüm - Curriculum Vitae

Address: Istanbul Technical University, Eurasia Institute of Earth Sciences, 34469 Sarıyer Maslak, Istanbul/Turkey
| Phone: +90 2122856108 | Email: tgorum@itu.edu.tr |

Present Position & Personal Details

Location: Istanbul Technical University, Eurasia Institute of Earth Sciences, Turkey.
Position: Associate Professor
Date of Birth: 01 January 1980
Nationality: Turkish
Marital status: Married, two children

Key Qualifications

Earth Surface Processes, Natural Hazards, Digital Terrain Modelling, GIS, Remote Sensing

Research Interests

Landslides and Landscape Evolution, Earthquake Induced Landslides, Landslide Susceptibility and Hazard, Erosional Processes and Fluxes in Active Mountain Belts, The Interplay of Hillslope and Tectonic/Climatic dynamics in Anatolia and High Asia.

Academic Qualifications

DEGREE | SCHOOL | DATE EARNED

Ph.D.	Earth System Science	ITC, University of Twente	2013
M.Sc.	Physical Geography	Istanbul University	2006
B. Sc.	Geography	Istanbul University	2003

Ph.D. Dissertation: Towards a Better Understanding of Earthquake Triggered Landslides: An Analysis of the Size, Distribution Pattern and Characteristics of Coseismic Landslides in Different Tectonic and Geomorphic Environments.

M.Sc. Thesis: Hillslope processes and the landslide susceptibility assessment of Melen Gorge, Duzce (Turkey).

Additional Fellowships and Academic Awards

AWARD: <u>Turkish Academy of Sciences Distinguished Young Scientist Award (GEBIP)</u>	2016
AWARD/ BURSARY: Huygens Scholarship by Netherlands Organization for International Cooperation in Higher Education (NUFFIC).	2010
AWARD/ BURSARY: Huygens Scholarship by Netherlands Organization for International Cooperation in Higher Education (NUFFIC).	2008

AWARD: The Chamber of Geological Engineers of Turkey, Golden Hammer Award (UCTEA) Best Scientific Article

2008

Employment History

ASSOCIATE PROFESSOR:

APR 2018 –

Istanbul Technical University, Eurasia Institute of Earth Sciences

- Prepared and taught, individually 2 different courses and study projects in Geomorphology.
- Supervised several M.Sc. and Ph.D. students, providing them with scientific and technical support.
- Wrote and updated research grant proposals, working in interdisciplinary teams.
- Wrote scientific papers based on the results of the research projects.
- Assisted the administration, planning and organizational activities of the Institute.

ASSISTANT PROFESSOR:

APR 2015 –2018

Istanbul University, Department of Geography

- Prepared and taught, individually 4 different courses and study projects in Geomorphology over a period of 2 semesters.
- Supervised several B.Sc., M.Sc. and Ph.D. students, providing them with scientific and technical support.
- Wrote and updated research grant proposals, working in interdisciplinary teams.
- Wrote scientific papers based on the results of the research projects.
- Assisted the administration, planning and organizational activities of the Department.

DOCTORAL RESEARCHER:

OCT 2008 - 2013

Faculty of Geo-Information Science and Earth Observation of the University of Twente

- Contribute to improving the current knowledge Earthquake Triggered Landslides by analysis of the Size, Distribution Pattern and Characteristics of Coseismic Landslides in Different Tectonic and Geomorphic Environments
- Supervised and technically assisted M.Sc. students in completing their research theses.
- Wrote and published several papers in prominent journals and conferences.
- Presented research ideas and results to large audiences internationally.

RESEARCH ASSISTANT:

DEC 2005 – OCT 2008

Yildiz Technical University, Natural Sciences Research Center

- Prepared and taught, 3 different research projects in cooperation with other researchers in the Tectonic and Dynamic Geomorphology area.
- Assisted in the preparation and execution of geotechnical laboratory section.
- Supervised several B.Sc., M.Sc., and students, providing them with scientific and technical support.
- Contribute to the national-level research projects as a researcher.
- Wrote scientific papers based on the results of the research projects.
- Assisted the administration, planning and organizational activities of the Research Center.

Language Skills

Turkish: Mother tongue

English: Fluent in writing and speech

Computer/Software Skills

GIS & RS:

ArcView (including programming in avenue), ArcGIS, ILWIS, QGIS, SAGA GIS, Global Mapper (Include LIDAR Module), Erdas Imagine, IDL/Envi, ER Mapper, Idrisi and PCI Geomatica, Pix4D, Agisoft PhotoScan.

OTHERS:

Matlab, R (Basic level), Origin, SPSS, CorelDraw, Adobe Illustrator, Desktop Publishing, Web Design

Recent and Completed Research Projects

RECENT PROJECTS:

- 2019-present Linking regional tectonic stress changes after major earthquakes and episodic increases in coseismic landsliding along the Longmen Shan Orogenic Belt.
Principal Investigator, Chengdu University of Technology, State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (China) (Funding: 100,000 RMB)
- 2017-present Topographic controls of landslides induced by New Zealand's 2016 Kaikoura (Mw 7.8) earthquake.
Principal Investigator, German Aerospace Center DLR No: DEM_GEOL1995 (Funding: €30,000 worth of data is provided)
- 2016-present Quaternary basin-wide erosion rate of the Central and Southern Menderes Massif derived from Beryllium-10 isotope.
Principal Investigator, Scientific and Technological Research Council of Turkey (TUBITAK) No: 116Y483 (Funding: €72,000)
- 2015-present Paleo-climatological and Genetic Investigation of the Landslide Dam Lakes Mogan and Eymir (Ankara).
Co-Investigator, Scientific and Technological Research Council of Turkey (TUBITAK) No: 114Y557 (Funding: €135,000)
- 2015-present Distribution Characteristics and the Role of Large Bedrock Landslides on Geomorphic Development of the Northern Margin of the Anatolian Plateau.
Principal Investigator, Scientific Research Projects Coordination Unit of Istanbul University (İ.Ü.BAP) No: N-55587 (Funding: €7,000)

COMPLETED PROJECTS:

- 2013-2015 Landslide displacement measurements from Optical Satellite Images: A Case Study on the North Anatolian Fault Zone (NAF), Koyulhisar, Sivas, Turkey.
Principal Investigator, Scientific and Technological Research Council of Turkey (TUBITAK) No: 113Y188 (Funding: €65,000)
- 2013-2016 Dendrochronological, Cosmogenic Dating, and Mechanism of the Landslides on Southern Slopes of the Mount Akdag (Western Taurus Mountain Belt), Turkey.
Principal Investigator, Scientific Research Projects Coordination Unit of Istanbul University (İ.Ü.BAP) No: ONAP-33594 (Funding: €30,000)
- 2006-2008 Geologic Evolution of the Canakkale Strait.
Co-Investigator, Scientific and Technological Research Council of Turkey (TUBITAK) No: 104Y024 (Funding: €45,000)
- 2001-2003 Determination of the Ecological Characteristics of Mount Erciyes and Its Evaluation According to Mountain Zone Management.
Co-Investigator, Scientific and Technological Research Council of Turkey (TUBITAK) No: 101Y055 (Funding: €40,000)

Teaching

- 2015-2018 Dynamic Geomorphology
Teaching Assignment, Department of Geography, Istanbul University (Code: CGRF3169 – undergraduate level)
- 2015-2018 Geomorphology of Turkey: An Overview
Teaching Assignment, Department of Geography, Istanbul University (Code: CGRF4140– undergraduate level)
- 2014-2018 Hillslope Processes and Mass Movements
Teaching Assignment, Department of Geography, Istanbul University (Code: CGRF7187 –graduate level)
- 2015-2018 Modern Survey and Mapping Techniques in Geomorphology
Teaching Assignment, Department of Geography, Istanbul University (Code: CGRF7188 –graduate level)
- 2015-2018 Climate Change and Natural Hazards
Teaching Assignment, Institute of Social Sciences of Climate Change Division, Istanbul University (Code: IKDE7029 –graduate level)

Supervision on Research and Theses

Total number up to date: 4 Ph.D. students and 2 M.Sc. students.

Affiliations

American Geophysical Union; European Geosciences Union; Geological Society of America; Turkish Association of Geomorphologists (*Constituent Member*); Turkish Geographical Society (*General Secretary*)

Editorial Activities

EDITORIAL BOARD MEMBERSHIP: Mediterranean Geoscience Reviews (Springer)

International Experience

PROFESSIONAL: China, Germany, Italy, the Netherlands, Turkey, Turkmenistan, Azerbaijan

TRAVEL: European Alps, Italy, the Netherlands, Germany, Greece, Georgia, Mongolia, China

Publications

ISI JOURNAL PAPERS[‡]

[1] Nefeslioglu, H.A. & **Görüm, T.**, (2020). The use of landslide hazard maps to determine mitigation priorities in a dam reservoir and its protection area. *Land Use Policy*, 91, 104363, <https://doi.org/10.1016/j.landusepol.2019.104363>

[2] **Görüm, T.**, (2019). Landslide recognition and mapping in a mixed forest environment from airborne LiDAR data. *Engineering Geology*, 258, 105155, <https://doi.org/10.1016/j.enggeo.2019.105155>

[3] Comert, R., Avdan, U., **Görüm, T.**, Nefeslioglu, H.A., (2019). Mapping of Shallow Landslides with Object Based Image Analysis from Unmanned Aerial Vehicle Data. *Engineering Geology*, 260, <https://doi.org/10.1016/j.enggeo.2019.105264>

[4] **Görüm, T.**, (2019). Tectonic, topographic and rock-type influences on large landslides at the northern margin of the Anatolian Plateau, *Landslides* 16 (2), 333-346

[5] **Gorum, T.**, Bayrakdar, C., Avdan, U. & Comert, R. (2017). Geomorphology of Mount Akdag Landslide, Western Taurus Range (SW Turkey). *Journal of Maps* 13 (2), 165–172.

[6] Tanyaş, Hakan, Cees J. Westen, Kate E. Allstadt, M. Anna Nowicki Jessee, **Tolga Görüm**, Randall W. Jibson, Jonathan W. Godt., (2017). Presentation and Analysis of a Worldwide Database of Earthquake-Induced Landslide Inventories. *Journal of Geophysical Research: Earth Surface*, 122, 1991–2015.

[7] Calò, F., Notti, D., Galve, P.D., Abdikan, S., **Gorum, T.**, Pepe, A., & Balik Sanli, F. (2017). A multi-technique approach to study land subsidence and groundwater depletion in Konya Plain, Turkey. *Remote Sensing*, 9(1), 83-108.

[8] Marc, O., Hovius, N., Meunier, P., **Gorum, T.**, & Uchida, T. (2016). A seismologically consistent expression for the total area and volume of earthquake-triggered landsliding. *Journal of Geophysical Research: Earth Surface*, 121(4), 640-663.

- [9] Calò, F., Abdikan, S., **Gorum, T.**, Pepe, A, Kilic, H. & Balik Sanli, F. (2015). The Space-Borne SBAS-DInSAR Technique as a Supporting Tool for Sustainable Urban Policies: The Case of Istanbul Megacity, Turkey. *Remote Sensing*, 7(12), 16519-16536.
- [10] **Gorum, T.**, & Carranza, E. J. M. (2015). Control of style-of-faulting on spatial pattern of earthquake-triggered landslides. *International Journal of Environmental Science and Technology*, 12(10), 3189-3212.
- [11] Fan, X., Rossiter, D. G., Westen, C. J., Xu, Q., & **Görüm, T.** (2014). Empirical prediction of coseismic landslide dam formation. *Earth Surface Processes and Landforms*, 39(14), 1913-1926.
- [12] **Gorum, T.**, Korup, O., van Westen, C. J., van der Meijde, M., Xu, C., & van der Meer, F. D. (2014). Why so few? Landslides triggered by the 2002 Denali earthquake, Alaska. *Quaternary Science Reviews*, 95, 80-94.
- [13] **Gorum, T.**, van Westen, C. J., Korup, O., van der Meijde, M., Fan, X., & van der Meer, F. D. (2013). Complex rupture mechanism and topography control symmetry of mass-wasting pattern, 2010 Haiti earthquake. *Geomorphology*, 184, 127-138.
- [14] Fan, X., van Westen, C. J., Korup, O., **Gorum, T.**, Xu, Q., Dai, F., & Wang, G. (2012). Transient water and sediment storage of the decaying landslide dams induced by the 2008 Wenchuan earthquake, China. *Geomorphology*, 171, 58-68.
- [15] Korup, O., **Görüm, T.**, & Hayakawa, Y. (2012). Without power? Landslide inventories in the face of climate change. *Earth Surface Processes and Landforms*, 37(1), 92-99.
- [16] Gökaşan, E., **Görüm, T.**, Tur, H., & Batuk, F. (2012). Morpho-tectonic evolution of the Çanakkale Basin (NW Anatolia): evidence for a recent tectonic inversion from transpression to transtension. *Geo-Marine Letters*, 32(3), 227-239.
- [17] Fan, X., van Westen, C. J., Xu, Q., **Gorum, T.**, & Dai, F. (2012). Analysis of landslide dams induced by the 2008 Wenchuan earthquake. *Journal of Asian Earth Sciences*, 57, 25-37.
- [18] Zorlu, K., Tunusluoglu, M. C., **Gorum, T.**, Nefeslioglu, H. A., Yalcin, A., Turer, D., & Gokceoglu, C. (2011). Landform effect on rockfall and hazard mapping in Cappadocia (Turkey). *Environmental Earth Sciences*, 62(8), 1685-1693.
- [19] Nefeslioglu, H. A., Gokceoglu, C., Sonmez, H., & **Gorum, T.** (2011). Medium-scale hazard mapping for shallow landslide initiation: the Buyukkoy catchment area (Cayeli, Rize, Turkey). *Landslides*, 8(4), 459-483.
- [20] **Gorum, T.**, Fan, X., van Westen, C. J., Huang, R. Q., Xu, Q., Tang, C., & Wang, G. (2011). Distribution pattern of earthquake-induced landslides triggered by the 12 May 2008 Wenchuan earthquake. *Geomorphology*, 133(3), 152-167.
- [21] Gökaşan, E., Tur, H., Ergin, M., **Görüm, T.**, Batuk, F. G., Sağcı, N., ... & Alp, H. (2010). Late Quaternary evolution of the Çanakkale Strait region (Dardanelles, NW Turkey): implications of a major erosional event for the postglacial Mediterranean-Marmara Sea connection. *Geo-Marine Letters*, 30(2), 113-131.
- [22] Gokceoglu, C., Tunusluoglu, M. C., **Gorum, T.**, Tur, H., Gokasan, E., Tekkeli, A. B., ... & Alp, H. (2009). Description of dynamics of the Tuzla Landslide and its implications for further landslides in the northern slope and shelf of the Cinarcik Basin (Marmara Sea, Turkey). *Engineering Geology*, 106(3), 133-153.
- [23] Gökaşan, E., Ergin, M., Özyalvaç, M., Sur, H. İ., Tur, H., **Görüm, T.**, ... & Türker, A. (2008). Factors controlling the morphological evolution of the Çanakkale Strait (Dardanelles, Turkey). *Geo-Marine Letters*, 28(2), 107-129.

[24] **Gorum, T.**, Gonencgil, B., Gokceoglu, C., & Nefeslioglu, H. A. (2008). Implementation of reconstructed geomorphologic units in landslide susceptibility mapping: the Melen Gorge (NW Turkey). *Natural Hazards*, 46(3), 323-351.

[25] Ustaömer, T., Gökaşan, E., Tur, H., **Görüm, T.**, Batuk, F. G., Kalafat, D., ... & Birkan, H. (2008). Faulting, mass-wasting and deposition in an active dextral shear zone, the Gulf of Saros and the NE Aegean Sea, NW Turkey. *Geo-Marine Letters*, 28(3), 171-193.

[26] Dolu, E., Gökaşan, E., Meriç, E., Ergin, M., **Görüm, T.**, Tur, H., ... & Tok, B. (2007). Quaternary evolution of the Gulf of Izmit (NW Turkey): a sedimentary basin under control of the North Anatolian Fault Zone. *Geo-Marine Letters*, 27(6), 355-381.

[27] Gökaşan, E., Tur, H., Ecevitoglu, B., **Görüm, T.**, Türker, A., Tok, B., ... & Şimşek, M. (2005). Evidence and implications of massive erosion along the Strait of İstanbul (Bosphorus). *Geo-Marine Letters*, 25(5), 324-342.

‡ ISI Web of Science® h-index = 15; SCOPUS h-index = 16 (Feb 2020).

BOOK CHAPTERS

[28] Yıldırım, C., Tüysüz, O., & **Görüm, T.** (2019). The Sinop Peninsula: The Northernmost Part of Asia Minor. in *Landscapes and Landforms of Turkey* (pp. 265-276). Springer, Cham.

[29] **Görüm, T.**, (2016). Assessment of the Mass Movements and the Susceptible Areas in Mus City. Pp. 41-84. In Dolek, I (Edt.) *Analysis of Natural Hazard Source Areas in Mus City (Eastern Anatolia)*, pp. 160. ISBN:978-605-9168-88-5. [In Turkish]

[30] Xu, C., Xu, X., **Gorum, T.**, van Westen C. J., & Fan, X., (2014). Did the 2008 Wenchuan Earthquake Lead to a Net Volume Loss? In K. Sassa et al. (eds.) *LANDSLIDE SCIENCE FOR A SAFER GEOENVIRONMENT*, Vol. 3, pp. 191-196. DOI 10.1007/978-3-319-049960_30 Springer International Publishing Switzerland 2014. ISBN 978-3-319-04995-3.

[31] Fan, X., van Westen, C. J., Xu, Q., **Gorum, T.**, Dai, F.C., Wang, F., Huang, R., (2013). Spatial Distribution of Landslide Dams Triggered by the 2008 Wenchuan Earthquake. In C. Margottini et al., (eds.) *Landslide Science and Practice*, Vol. 5, pp. 279-285. DOI 10.1007/978-3-64231427_36279-285. Springer-Verlag Berlin Heidelberg 2013. ISBN 978-3-642-31426-1.

[32] Gökasan, E., Tur, H., Batuk, F. & **Görüm, T.** (2011). Geological Evolution of Istanbul and Canakkale Straits. 208-226. Edt. Nur Jale in *Turkish Straits*, Deniz Kılavuzluk A.S., 352 pp, ISBN:975-013320-6. [In Turkish]

PEER-REVIEWED JOURNAL PAPERS

[33] Cihangir, M.E., **Görüm, T.**, Nefeslioglu, H.A., (2018). Spatial sensitivity assessment based on landslide trigger factors. *Türk Coğrafya Dergisi* 66, 29-36. <http://dx.doi.org/19.17211/tcd.410998>

[34] **Görüm, T.**, (2016). Landslides triggered by the 23 October 2011 Van earthquake. *Türk Coğrafya Dergisi* 66, 29-36. <http://dx.doi.org/10.17211/tcd.69854>

[35] Cihangir, M.E. & **Görüm, T.** (2016). Distribution pattern and factors controlling the formation of landslides in the downstream part of the Kelkit Valley. *Türk Coğrafya Dergisi* 66, 19-28. <http://dx.doi.org/10.17211/tcd.84731>

[36] **Görüm, T.** & Nefeslioglu, H. (2015). A geomorphological approach to the identification of multi-temporal landslide activity. *Türk Coğrafya Dergisi*, 65 (2), 47-58. <http://dx.doi.org/10.17211/tcd.19041>

[37] Bayrakdar, C. & **Görüm, T.** (2014). Geomorphological Characteristics and Formation Mechanism of Yeşil Göl Landslide. *Türk Coğrafya Dergisi*, 59, 1-10.

[38] Gökaşan E., Tur H., Ecevitoglu B., **Görüm T.**, Türker A., Tok B., Birkan H., 2006. Factors controlling the sea floor morphology of the Strait of İstanbul: Evidence of an erosional event after last glacial maximum. *Yerbilimleri*, 27 (3), 143-161.

PEER-REVIEWED PROCEEDINGS

[39] Akgun, A., **Gorum, T.** and Nefeslioglu, H. (2020). Landslide Size Distribution Characteristics of Cretaceous and Eocene Flysch Assemblages in the Western Black Sea Region of Turkey. World Landslide Forum 5 - 2020, Kyoto-Japan.

[39] Haque, U., Azeroo, S., Silva, P. and **Gorum T.** (2020). Increasing deadly landslides worldwide 1995 – 2019: an update. World Landslide Forum 5 - 2020, Kyoto-Japan.

[39] Sami Akay, S. S., Ozcan, O., Sanli, F. B., Bayram, B., & **Gorum, T.** (2019). Accuracy Evaluation of Uav-Derived Products Based on Different Flying Altitudes *International Symposium on Applied Geoinformatics (ISAG-2019)*. pp. 1-6, 7-9 November, 2019, Istanbul, Turkey.

[39] Comert, R., Avdan, U., & **Gorum, T.** (2018). Rapid Mapping Of Forested Landslide From Ultra-High Resolution Unmanned Aerial Vehicle Data. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 42(3/W4), 2018 (Gi4DM), 18–21 March 2018, Istanbul, Turkey.

[40] F. Calò, D. Notti, J. P. Galve 3, S. Abdikan, T. Görüm, O. Orhan, H.B. Makineci, A. Pepe, M. Yakar, F. Balik Şanlı (2018). A Multi-Source Data Approach for the Investigation of Land Subsidence in The Konya Basin, Turkey. The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume 42(3/W4), 2018 (Gi4DM), 18–21 March 2018, Istanbul, Turkey.

[41] Sanli, F. B., Calò, F., Abdikan, S., Pepe, A., & **Gorum, T.** (2014). Analysis of deformation patterns through advanced dinsar techniques in Istanbul megacity. *International Archives of the Photogrammetry, Remote Sensing & Spatial Information Sciences*.

[42] Gokceoglu, C., M. C. Tunusluoglu, **T. Gorum**, E. Gokasan, H. Tur, A. B. Tekkeli, F. Batuk, and H. Alp., (2010). Rheological analysis of a sub-marine landslide in the Marmara Sea (Turkey). *Scientific Annals, School of Geology, Aristotle University of Thessaloniki Proceedings of the XIX CBGA Congress*, Thessaloniki, Greece. Vol. 99, p. 545-555.

[43] Batuk, F., Emem, O., **Gorum, T.**, & Gokasan, E. (2008). Implementation of GIS for Landforms of Southern Marmara. *TS 7I-GIS Applications in Turkey, Integrating Generations, FIG Working Week, 14-19. Integrating Generations Stockholm*, Sweden 14-19 June 2008.

[44] E.Gokasan, O. Algan, H. Tur, **T. Gorum**, B. Ecevitoglu, B. Tok, H. Birkan & A. Turker. (2005). High Resolution Bathymetric and Seismic Studies in the Strait of İstanbul (Bosporus): Evidence of Erosion Along the Strait and A Delta Formation at the Southern Entrance. *1st. Plenary Meeting and Field Trip of Project*

IGCP 521 Black Sea-Mediterranean Corridor During the Last 30 Ky: Sea Level Change and Human Adaptation, Istanbul-Turkey, October 8-15, 2005. Proceedings pp.63-65.

[45] Barbaros Gonencgil & **Tolga Gorum** (2004). Mountain Zone Management (MZM). *International Symposium on Earth System Science (ISES)* Proceedings Book, pp. 401-406., ISES 8-10 September 2004, Istanbul, Turkey.

CONFERENCE ABSTRACTS

[46] Avcioglu, A., **Gorum, T.**, Yetemen, O., (2020). Geomorphometric characteristics of major badland landscapes of Turkey. *In EGU 2020 General Assembly Conference Abstracts*.

[47] Fidan, S., **Gorum, T.**, (2020). Temporal trends and controlling factors of fatal landslides in Turkey. *In EGU 2020 General Assembly Conference Abstracts*.

[48] **Gorum, T.**, Fidan, S., (2020). Fatal Landslide Database of Turkey (FATALDOT). *In EGU 2020 General Assembly Conference Abstracts*.

[49] Yetemen, O., Avcioglu, A., Caglar, F., Ekberzade, B., Cetiner, U., Sen, O. L., **Gorum, T.**, Gogus, O. H., Yeo, Y., Shin-Chan Han, S. C., Chun, K. P., (2020) Geomorphometric characteristics of major badland landscapes of Turkey. *In EGU 2020 General Assembly Conference Abstracts*.

[50] Fidan, S., **Gorum, T.**, (2020). Fatal Landslide Database of Turkey (FATALDOT). *IX Quaternary Symposium of Turkey, Abstracts*, March 31 – April 4 2020, Istanbul, Turkey.

[51] Özpolat E., Yıldırım C., **Görüm T.**, Şahiner E., Özcan O., (2019). Late Pleistocene Slip-Rate of the Aydın Fault, Southern Menderes Massif. *23rd Active Tectonics Research Group Meeting, Abstracts*, , Oct 15-18 2019, Istanbul, Turkey.

[52] Fidan, S., **Gorum, T.**, (2019). The Role of Topographic and Climatic Factors on the Distribution of Fatal Landslides in Turkey. *International Symposium on Geomorphology, Abstracts*, (p. 92-93), Oct 10-12 2019, Ankara, Turkey.

[53] **Gorum, T.**, (2019). The Hidden Landslide Reality in Dense Forested Areas: Illuminating Contribution of LIDAR Data to Hillslope Processes. *International Symposium on Geomorphology, Abstracts*, (p. 90-91), Oct 10-12 2019, Ankara, Turkey.

[54] Özpolat E., Yıldırım C., **Görüm T.**, Şahiner E., Özcan O., (2019). Differential Tectonic Activity along the Southern Flank of the Aydın Block (Menderes Massif): Inferences from Optically Stimulated Luminescence Dating of River Terraces and Alluvial Fan Deposits. *International Symposium on Geomorphology, Abstracts*, (p. 165-166), Oct 10-12 2019, Ankara, Turkey.

[55] Yazıcı, D., Yıldırım C., **Görüm T.**, (2020). Geomorphological Evolution of the Kasei Valley; Implications for interactions of glacial, coastal, hillslope processes on Mars. *International Symposium on Geomorphology, Abstracts*, (p. 76-77), Oct 10-12 2019, Ankara, Turkey.

[56] Yildiz, S., **Gorum, T.**, (2019). Formation, Distribution Pattern and Dynamics of Landslides on Greater Caucasus Mountains. *International Symposium on Geomorphology, Abstracts*, (p. 116-117), Oct 10-12 2019, Ankara, Turkey.

[57] Fidan, S., **Gorum, T.**, (2019). Fatal Landslide Archive Inventory of Turkey from 1929 to 2018. *International Disaster & Resilience Congress (IDRC), Abstracts*, (p. 1109-1110), June 26-29 2019, Eskisehir, Turkey.

- [58] Fidan, S., **Gorum, T.**, (2019). Spatial and Temporal Distribution of Fatal Landslides in Turkey From 1929 to 2018. *1st Istanbul International Geography Congress, Abstracts*, (pp. 10-11), June 20-22 2019, Istanbul, Turkey.
- [59] **Görüm T.**, Yıldırım C., Yıldız Ş., Özpolat E., Sarıkaya A., Çiner A., (2019). Tectonic control on the alluvial fan sizes in the Menderes Massif, Western Anatolia (Turkey): Implications for relative tectonic assessment, erosion proxies, and fluvial signatures in tectonically active landscapes. *In EGU 2019 General Assembly Conference Abstracts* (Vol. 21, 10246).
- [60] Özpolat E., Yıldırım C., **Görüm T.**, (2019). The mapping of the Quaternary geological and geomorphological units between Aydın Block and Mentese Mountains (Central Menderes Massif) for tectonic implications. *In EGU 2019 General Assembly Conference Abstracts* (Vol. 21, -16935-3).
- [61] Özpolat E., Yıldırım C., **Görüm T.**, Şahiner E., Özcan O., (2019). Determination of the rock uplift in Central Menderes Massif (Aydın Block), Western Turkey; inferences from OSL dating of fluvial terraces. *In INQUA 2019 Conference Abstracts* (ref. numbr: 2335)
- [62] **Görüm T.**, (2019). Distribution Characteristics of Large Bedrock Landslides on the Northern Margin of the Anatolian Plateau. *72nd Geological Congress of Turkey with international participation, Abstracts*, (p. 287-288), 28 Jan - 01 Feb 2019, Ankara, Turkey.
- [63] Yıldız Ş., **Görüm T.**, Yıldırım C., (2019). Geomorphometric Approaches for Assessment of Tectonic Activity in Menderes Massif, Western Anatolia, Turkey. *72nd Geological Congress of Turkey with international participation, Abstracts*, (p. 283-284), 28 Jan - 01 Feb 2019, Ankara, Turkey.
- [64] **Gorum, T.**, Avdan, U., Çömert, R. & Nefeslioglu, H., (2017, October). Erosional Processes in the Nallıhan (Ankara) Badland Area based on Ultra-High Resolution Unmanned Aerial Vehicle (UAV) DTMs. *In International Symposium on GIS Applications In Geography & Geosciences Abstracts* (Vol. 1, p. 250).
- [65] Yildiz, S., **Gorum, T.** & Yildirim, C. (2017, October). Geomorphometric Relative Tectonic Activity Assessment of the Menderes Massif, Western Anatolia, Turkey. *In International Symposium on GIS Applications In Geography & Geosciences Abstracts* (Vol. 1, p. 320).
- [66] **Gorum, T** & Yildirim, C. (2017, April). Preliminary results on landslides triggered by the Mw 7.8 Kaikoura earthquake of 14 November 2016 in northeast South Island, New Zealand. *In EGU General Assembly Conference Abstracts* (Vol. 19, p. 3545,).
- [67] **Gorum, T.** (2017, April). Large bedrock landslides clusters and geomorphological impacts along the northern margin of the Anatolian Plateau. *In EGU General Assembly Conference Abstracts* (Vol. 19, p. 3550).
- [68] **Gorum, T.**, Bayrakdar, C., Avdan, U. & Comert, R. (2016, October) Unmanned Aerial Vehicle (UAV) based remote sensing for understanding hillslope dynamic processes: A case study of the Mount Akdağ Landslide, Western Taurus Range (SW Turkey). *TUCAUM 2016 International Geography Symposium, Abstracts*, (Vol I, p. 51), Oct 13-14 2016, Ankara, Turkey.
- [69] **Gorum, T.**, Korup, O., van Westen, C.J., van der Meijde, M., Xu, C. & van der Meer, F. (2016, May) The Size and the pattern differences of co-seismic landslides in glaciated mountain belts. *VII. Quaternary Symposium of Turkey, Abstracts*, (Vol I, p. 31), May 8-11 2016, Istanbul, Turkey.
- [70] Marc, O., Hovius, N., Meunier, P., Uchida, T., & **Gorum, T.** (2016, April). Coseismic and Post-seismic landsliding: insights from seismological modeling and landslide map time series. *In EGU General Assembly Conference Abstracts* (Vol. 18, p. 12418).

- [71] **Gorum, T.** & Cihangir, M.E. (2015, October). The geomorphological characteristics and the controlling factors on the formation of the landslides along the Kelkit River Valley. *3th National Symposium of Geomorphology*, Abstracts, (Vol I, p. 343), Oct 15-17 2017, Samsun, Turkey.
- [72] Bayrakdar, C., Akcar, N., **Gorum, T.**, Ivy-Ochs, S. & Vockenhuber, C. (2015, October). Geomorphology and Quaternary Geochronology of the Akdag Landslide (SW Turkey). *3th National Symposium of Geomorphology*, Abstracts, (Vol I, p. 13), Oct 15-17 2017, Samsun, Turkey.
- [73] Marc, O., Meunier, P., Hovius, N., **Gorum, T.**, & Uchida, T. (2015, April). Physically-based prediction of earthquake-induced landsliding. *In EGU General Assembly Conference Abstracts* (Vol. 17, p. 10379).
- [74] Avdan, U., **Gorum, T.**, Comert, R., & Nefeslioglu, H. (2015, April). Sensitivity analyses for the DTMs derived from Unmanned Aerial Vehicle (UAV) in gully erosion mapping: Nallihan badland area (Ankara, Turkey). *In EGU General Assembly Conference Abstracts* (Vol. 17, p. 14058).
- [75] Bayrakdar, C., Akçar, N., **Gorum, T.**, Ivy-Ochs, S., & Vockenhuber, C. (2015, April). Glacio-Karstic and chronological evolution of the Akdag rockslide (SW Turkey). *In EGU General Assembly Conference Abstracts* (Vol. 17, p. 5557).
- [76] Turk, T., **Gorum, T.**, Birdal, A. C., & Tatar, O. (2015, April). Landslide displacement measurements from Optical Satellite Images: A Case Study on the North Anatolian Fault Zone. *In EGU General Assembly Conference Abstracts* (Vol. 17, p. 4169).
- [77] Hovius, N., Marc, O., Meunier, P., Uchida, T., & **Gorum, T.** (2014, May). Keefer's law revisited: A new law for coseismic landslide volume prediction. *In EGU General Assembly Conference Abstracts* (Vol. 16, p. 7552).
- [78] Meunier, P., Marc, O., Uchida, T., **Gorum, T.**, Robert, A., & Hovius, N. (2014, May). Earthquake source localization from the analysis of coseismic landslide catalogues. *In EGU General Assembly Conference Abstracts* (Vol. 16, p. 7080).
- [79] Bayrakdar, C., Akçar, N., **Görüm, T.**, Susan Ivy-Ochs (2014). Geomorphological and Chronological Evolution of the Akdağ Rockslide (SW Turkey). *8th International Symposium on Eastern Mediterranean Geology*, 13-17 October 2014, Muğla Sıtkı Koçman University – Turkey.
- [80] Cihan Bayrakdar, **Tolga Görüm**, Mücahit Durmuş, Susan Ivy-Ochs and Naki Akçar., (2013). Reconstruction of the evolution and chronology of the Akdağ rockslide (SW Turkey). *11th Swiss Geoscience Meeting Abstracts* P26.3, 13-14. 15th- 16th November 2013 Lausanne, Swiss.
- [81] **Gorum T.**, van Westen C., Korup O., van Der Meijde M., Fan X., van Der Meer F.D. (2013). The combined effect of complex rupture mechanism and topography in regional distribution pattern of the landslides triggered by the 12 January 2010 Haiti earthquake. *Abstracts volume of 8th International Conference (AIG) on Geomorphology*, pp. 623. 27-31 August, Paris, France.
- [82] Korup, O., **Görüm, T.**, & Hayakawa, Y. (2012, April). Know the limit-Landslide inventories and climate-change attribution. *In EGU General Assembly Conference Abstracts* (Vol. 14, p. 9314).
- [83] **Tolga Gorum**, Cees J. van Westen, Emmanuel John M. Carranza, Mark van der Meijde, Xuanmei Fan, Dai Fuchu and Qing Xu, (2011) The role of rupture dynamics and style of faulting on regional pattern of coseismic landslides *Geophysical Research Abstracts*, Vol. 13, EGU 2011-8140, 2011 EGU General Assembly 2011.

- [84] Xuanmei Fan, Cees J. van Westen, **Tolga Gorum** and Qiang Xu, (2011). Spatial Distribution and Casual Factors of Landslide Dams Triggered by the 2008 Wenchuan Earthquake. Geophysical Research Abstracts, Vol. 13, EGU 2011-722, 2011 EGU General Assembly 2011.
- [85] **Tolga Gorum** & Cees J. van Westen, (2011). Regional distribution of landslides induced by the January 2010 Haiti earthquake. Geophysical Research Abstracts, Vol. 13, EGU 2011-8182, 2011 EGU General Assembly 2011.
- [86] Darwin Riguer, **Tolga Gorum**, and Cees van Westen, (2011). Characterizing an earthquake-induced landslide from two different events in the same area. Geophysical Research Abstracts, Vol. 13, EGU 2011-8115, 2011 EGU General Assembly 2011.
- [87] Cees van Westen, **Tolga Gorum**, Xuanmei Fan, Run Qiu Huang, Qiang Xu, and Chuang Tang, (2010). Distribution Pattern of Earthquake-induced Landslides Triggered by the 12 May 2008 Wenchuan Earthquake. Geophysical Research Abstracts, Vol. 11, EGU 2010-4437, 2010 EGU General Assembly 2010.
- [88] **Tolga Gorum**, M. Celal Tunusluoglu, Ebru Sezer, Hakan A. Nefeslioglu, A.Selman Bozkir, and Candan Gokceoglu, (2010). Landslide susceptibility mapping of a landslide-prone area from Turkey by decision tree analysis. Geophysical Research Abstracts, Vol. 12, EGU 2010-49, 2010 EGU General Assembly 2010.
- [89] Cees van Westen & **Tolga Gorum**, Preliminary results on earthquake triggered landslides for the Haiti earthquake (January 2010), (2010). Geophysical Research Abstracts, Vol. 12, EGU 2010-11153, 2010 EGU General Assembly 2010.
- [90] X. Fan, **T. Gorum**, C.J. van Westen, Q. Xu, C. Tang and R. Huang, (2009) Distribution of large landslides and landslide dams triggered by the Wenchuan earthquake, Sichuan, China. Geophysical Research Abstracts, Vol. 11, EGU 2009-2863, 2009 EGU General Assembly 2009.
- [91] **Görüm, T.**, Gökçeoğlu, C., Nefeslioğlu, H.A., (2008). Application of Geomorphologic Conditions as a Parameter Map in Landslide Susceptibility Assessments: the Melen Gorge (Düzce). 61st Turkish Geology General Assembly, Abstracts, 282 – 283, Ankara, Turkey.
- [92] Zorlu, K., Tunusluoğlu, M.C., **Görüm, T.**, Yalçın, A., Gökçeoğlu, C., Nefeslioğlu, H.A., (2008). The Effects of the Earth Surface Processes on the Rockfall Hazard in the Cappadocia Region. 61st Turkish Geology General Assembly, Abstracts, 288 – 289, Ankara, Turkey.
- [93] **T. Görüm**, C. Gökçeoğlu, M.C. Tunusluoğlu & H.A. Nefeslioğlu (2008). Landslide Susceptibility Analysis of the Southern Section of the Inegol Basin, Bursa, Turkey. 1st National Geomorphology Symposium - 2008 Abstracts, p. 292. Çanakkale Onsekiz Mart University, Troia Kültür Merkezi, 20-23 Ekim 2008, Çanakkale, Turkey.
- [94] **T. Görüm**, C. Gökçeoğlu, H.A. Nefeslioğlu, F. B. Şanlı, & F. Döker (2008). Analysis short-term morphological evolution of the Firuzkoy Landslide (Istanbul) from very high resolution satellite images. 1st National Geomorphology Symposium - 2008 Abstracts, p. 280. Çanakkale Onsekiz Mart University, Troia Kültür Merkezi, 20-23 Ekim 2008, Çanakkale, Turkey.
- [95] **T. Görüm**, C. Gökçeoğlu, K. Zorlu, M.C. Tunusluoğlu & H.A. Nefeslioğlu (2007). Morphometric Characteristics of Erosional Units in Cappadocia Region. *Symposium on Geology of the Cappadocia Region*, Abstracts, 53-70, 17-20 Oct 2007, Niğde, Türkiye.

SPECIAL PAPERS & REPORTS

[96] Robert Schmitt, Hakan Tanyas, M. Anna Nowicki Jesse, Jing Zhu, Katherine M. Biegel, Kate E. Allstadt, Randall W. Jibson, Eric M. Thompson, Cees J. van Westen, Hiroshi P. Sato, David J. Wald, Jonathan W. Godt, **Tolga Gorum**, Chong Xu, Ellen M. Rathje, Keith L. Knudsen (2017). An Open Repository of Earthquake-triggered Ground-failure Inventories, *USGS Open Reports Data Series 2327-6384*, pp. 28.

Working Papers

[1] **Gorum, T.**, Avdan, U., Comert, R., & Nefeslioglu, H. Sensitivity Analyses for the DTMs derived from Unmanned Aerial Vehicle (UAV) in gully erosion mapping: Implications and constraints (To be submitted to the *CATENA*).

[2] Fidan, S., **Gorum, T.**, Spatial and Temporal Distribution of Fatal Landslides in Turkey (1929-2019) (To be submitted to the *Landslides*).