

Publications

Publications (SCI, SCI-Expanded SSCI & AHCI)

1. Topcu, P., **Erpul, G.** & Saygin Deviren, S. 2022. How Is Land Degradation Perceived by the Farmers of Beypazari-Ankara? *Ziraat Mühendisliği* (374), 67-75. DOI: 10.33724/zm.1080389.
2. Topcu, P., **Erpul, G.** & Saygin Deviren, S. 2022. Public policies and investments for mainstreaming sustainable forest management in Turkey, *Turkish Journal of Forest Science*, 6(1), 174-185.
3. Uzun, O., Kaplan, S., Ince, K., Basaran, M., **Erpul, G.** 2022. Spatially and temporally assessing event-based wind erosion in adjacent plots of fallow and wheat cultivation in the Central Anatolia, Turkey *Archives of Agronomy and Soil Science*. 68(5), pp. 661-675.
4. Basak, E; Cetin, NI, Vatandaslar, C; Pamukcu-Albers, P, Karabulut, AA; Caglayan, SD; Besen, T, **Erpul, G;** Balkiz, O; Cokcaliskan, BA, Per, E; Atkin, G. 2022. Ecosystem services studies in Turkey: A national-scale review. *SCIENCE OF THE TOTAL ENVIRONMENT* Volume 844 Article Number 157068 DOI 10.1016/j.scitotenv.2022.157068.
5. Akgoz, R; Saygin, SD; Erpul, G. 2022. Monitoring seasonal and phenological variability of cover management factor for wheat cropping systems under semi-arid climate conditions. *ENVIRONMENTAL MONITORING AND ASSESSMENT* Volume 194 Issue 6 Article Number 395 DOI 10.1007/s10661-022-10064-1.
6. Saygin, SD; Ari, F; Temiz, C; Arslan, S; Unal, MA; **Erpul, G.** 2021. Analysis of soil cohesion by fluidized bed methodology using integrable differential pressure sensors for a wide range of soil textures. *COMPUTERS AND ELECTRONICS IN AGRICULTURE*. Volume 191 Article Number 106525 DOI 10.1016/j.compag.2021.106525
7. **Erpul, G.**, Gabriels, D., Pinar, MO., Sagun, C., Cornelis, W. 2021. Splash detachment of sand particles under varying contact stress field of wind-driven raindrop impact. *EARTH SURFACE PROCESSES AND LANDFORMS*. Volume 46 Issue 14 Page 2870-2883. DOI 10.1002/esp.5214.
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9. Erci, V. Seker, C., Basaran, M., **Erpul, G.** 2021. Determining the effectiveness of some soil stabilizers in wind erosion prevention using wind tunnel experiments. *LAND DEGRADATION & DEVELOPMENT* Volume 32 Issue 10 Page 2962-2977.
10. Bezak, N., ..., **Erpul, G.**, ..., Panagos, P. 2021. Soil erosion modelling: A bibliometric analysis. *Environmental Research*, Volume 197, 111087.
11. Borelli, P. ..., **Erpul, G.**, ..., Panagos, P. 2021. Soil erosion modelling: A global review and statistical analysis. *Science of the Total Environment* Volume 780, 146494.
12. Madenoglu, S., Atalay, F. Erpul, G. 2020. Uncertainty assessment of soil erodibility by direct sequential Gaussian simulation (DSIM) in semiarid land uses. *Soil and Tillage Research* 204, 104731.
13. Kaplan, S., Basaran, M., Uzun, O., Nouri, A., Youssef, F., Saygin, S.D., Ozcan, A.U., **Erpul, G.** 2020. Spatial and Quantitative Assessment of Wind Erosion from Adjacent Dunes with Different Surface Cover Ratios. *Environmental Monitoring and Assessment*. 192: 132, <https://doi.org/10.1007/s10661-020-8099-3>.
14. Deviren Saygin, S, **Erpul, G.** 2019. Modeling aggregate size distribution of eroded sediment resulting from rain-splash and raindrop impacted flow processes. *International Journal of Sediment Research*, **34(2)**: 166-177.
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16. Sandra Díaz,* Unai Pascual,* Marie Stenseke, Berta Martín-López, Robert T. Watson, Zsolt Molnár, Rosemary Hill, Kai M. A. Chan, Ivar A. Baste, Kate A. Brauman, Stephen Polasky, Andrew Church, Mark Lonsdale, Anne Larigauderie, Paul W. Leadley, Alexander P. E. van Oudenhoven, Felice van der Plaats, Matthias Schröter, Sandra Lavorel, Yildiz Aumeeruddy-Thomas, Elena Bukvareva, Kirsten Davies, Sebsebe Demissew, **Gunay Erpul**, Pierre Failler, Carlos A. Guerra, Chad L. Hewitt, Hans

- Keune, Sarah Lindley, Yoshihisa Shirayama. 2018. Assessing nature's contributions to people. *Science* **359** (6373), 270-272.
17. Deviren Saygın, S, Huang, C., Flanagan, D.C., **Erpul, G.** 2018. Process-based soil erodibility estimation for empirical water erosion models. *Journal of Hydraulic Research*, 56(2), 181-195. (SCI)
 18. Uzun, O., Kaplan, S., Basaran, M., Deviren Saygın, S., Youssef, F., Nouri, A., Ozcan, A. U., **Erpul, G.** 2017. Spatial distribution of wind-driven sediment transport rate in a fallow plot in Central Anatolia, Turkey. *Arid Land Research and Management*, **31(2)**: 125-139.
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 22. Başaran, M., Uzun, O., **Erpul, G.** 2017. Evaluation of Field Performance of BEST Aeolian Sediment Catcher in Sandy-loam Soil of Arid Zone of Turkey. *Soil & Water Res.*, **12(2)**: 96-105 DOI: 10.17221/55/2016-SWR.
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 28. **Erpul, G.**, Gabriels, D., Norton, D., Flanagan, D.C., Huang, C., Visser, S.M. 2013. Raindrop and flow interactions for interrill erosion with wind-driven rain (WDR), *Journal of Hydraulic Research*, **51(5)**: 548-557.
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Publications non-indexed by SCI, SCI-Expanded, SSCI and AHCI

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2. Ince, K., Celik, S., **Erpul, G.** 2019. Determination and Mapping of Wind Erosion Soil Susceptibility Variables at the National Scale in Turkey, *Ege Journal of Agricultural Research*, **56 (1)**: 109-120, <https://doi.org/10.20289/zfdergi.455581>, ISSN 1018-8851, eISSN 2548-1207.
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10. Bayramin, I., **G. Erpul**, E. H. Erdogan. 2006. Use of CORINE Methodology to Assess Soil Erosion Risk in the Semi-Arid Area of Beypazari – Ankara, Turkey. *Tr. J. of Agricultural and Forestry* **30**: 81 – 100.
11. **Erpul, G.**, D. Gabriels, D. Janssens. 2000. Effect of Wind on Size and Energy of Small Simulated Raindrops: A Wind Tunnel Study, *Int. Agrophysics* **14**: 1-7.
12. **Erpul, G.** and M. R. Çanga. 1999. Effect of Subsequent Simulated Rainfalls on Runoff and Erosion *Tr. J. of Agricultural and Forestry*, **23**: 659-665.
13. Haktanır, K., S. Arcak, **G. Erpul** ve A. Tan. 1995. Yol Kenarındaki Topraklarda Trafikten Kaynaklanan Ağır Metallerin Birikimi (Traffic-associated Heavy Metal Accumulation in the Soils next to the Highways) *Tr. J. of Engineering and Environmental Sciences* **19**: 423-431.
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Publications in Turkish

1. AKGÖZ R. İNCE K, **ERPUL G.** 2020. Determination of Roughness Parameter of National Dynamic Wind Erosion Model and Monitoring System. *Anadolu Tarım Bilim. Derg./Anadolu J Agr Sci*, 35 ISSN: 1308-8750 (Print) 1308-8769 doi: 10.7161/ omuanajas.632156.
2. AKGÖZ R. İNCE K, **ERPUL G.** 2020. Determination of National Dynamic Wind Erosion Model and Monitoring System Vegetation Parameter. *Toprak Su Dergisi*, 2020, 9 (1): (37-44).
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9. **Erpul, G.** and M. R. Çanga. 2001. Design Principles and Simulated Rainfall Characteristics of a Rainfall Simulator for Soil Erosion Works (“Toprak Erozyon Çalışmaları İçin Bir Yapay Yağmurlama Aletinin Tasarım Prensipleri ve Yapay Yağış Karakteristikleri”), *Ankara Üniversitesi Ziraat Fakültesi Tarım Bilimleri Dergisi, 7(1), 75-83 (2001) (In Turkish).*
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Conference Papers and Abstracts (International)

1. Deviren Saygın, S., Arı, F., Temiz, Ç., Unal, M.A., **Erpul, G.** 2019. A Modernized Application to Survey Soil Cohesion Changes. 10th International Soil Congress on “Successful Transformation toward Land Degradation Neutrality: Future Perspective”, 17-19 June 2019, Ankara, Turkey.
2. Temiz, Ç., Arı, F., Deviren Saygın, S., Unal, M.A., **Erpul, G.** 2019. Investigation of Soil Cohesion Changes for Two Different Soils and Initial Moisture Conditions. 10th International Soil Congress on “Successful Transformation toward Land Degradation Neutrality: Future Perspective”, 17-19 June 2019, Ankara, Turkey.
3. Şahin, S. İnce, K. Çetin, E. Küçümen, A., Akdağ, M.A., Demirtaş, İ., **Erpul, G.** 2019. National Dynamic Erosion Model and Monitoring System (DEMIS) in Turkey. 10th International Soil Congress on “Successful Transformation toward Land Degradation Neutrality: Future Perspective”, 17-19 June 2019, Ankara, Turkey.

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8. Madenoğlu, S. Saygın, S. D., Pınar, M.Ö., Tercan, E.A., **Erpul, G.** Bayramin, İ. 2010. Determination of spatial distributions of the various RUSLE-K approaches and their connections with splash erosion. 1. National Soil and Water Resource Conference, Page: 703-713, Eskişehir (in Turkish).
9. Youssef, F., Visser, S., Karssenber, D. Stroosnijder, L., **Erpul, G.** 2009. Olay Bazında Yerel Olarak Elde Edilen Rüzgâr Erozyon Modeli Parametrelerinin Bölgesel Kullanılması ve Model Geçerliliğinin Araştırılması (Up-scaling of small-scale wind erosion model parameters to the regional scales and the investigation of the model validity for wind erosion events). 1st National Drought and Desertification Symposium, 16-18 June, Konya, Turkey (in Turkish).
10. Başaran, M., Özcan, A.U., Saygın, D.S., Yılman, F.E., Dölarslan, M., Timur, Ö.B., **Erpul, G.**, Bayramin, İ. and Kibar, M., 2009. The calculation of the RUSLE-C factor by the methods of both GIS and Geostatistics in the watershed of Sarayköy II Irrigation Dam, Eldivan-Çankırı. 1st National Drought and Desertification Symposium, 16-18 June, Konya, Turkey (in Turkish).

Chapters in Books

1. ÇULLU MA, , **ERPUL G**, AKÇA E, ERDOĞAN HE. 2021FAO and ITPS. 2021. Recarbonizing Global Soils – A technical manual of recommended sustainable soil management. Volume 4: Cropland, grassland, integrated systems and farming approaches – Case studies. Rome. <https://doi.org/10.4060/cb6598en> Irrigated wheat-maize-cotton in the Harran Plain, Southeast Turkey.

2. AKÇA E, **ERPUL G**, ÇULLU MA, ERDOĞAN HE. 2021. FAO and ITPS. 2021. Recarbonizing Global Soils – A technical manual of recommended sustainable soil management. Volume 4: Cropland, grassland, integrated systems and farming approaches – Case studies. Rome.
<https://doi.org/10.4060/cb6598en>. Pickle melon (Cucumis Melo) production in Karapınar, Central Turkey.
3. Contributing Authors: Amanullah (Pakistan), Talal Darwish (Lebanon), **Gunay Erpul** (Turkey), Ranier Horn (Germany), Nsalambi Nkongolo (Democratic Republic of Congo), Brajendra (India), Gary Pierzynski (United States), Peter De Ruiter (The Netherlands), and Miguel Taboada (Argentina). 2017. THREATS TO SOILS: GLOBAL TRENDS AND PERSPECTIVES A Contribution from the Intergovernmental Technical Panel on Soils, Global Soil Partnership Food and Agriculture Organization of the United Nations. 2017. Editors: Gary Pierzynski (United States) and Brajendra (India) Secretariat: Lucrezia Caon and Ronald Vargas. GLOBAL LAND OUTLOOK WORKING PAPER September 2017
4. Youssef, F. Visser, S. Karssenbergh, D. Slingerland, E. Ziadat, F. Stroosnijder, L. **Erpul, G**. 2012. A new method for measuring wind erosion at the regional scale: Observing aeolian sediment transport at different land covers. In: Youssef, F. The effect of vegetation cover and transitions on regional wind erosion in drylands. Doctoral thesis Wageningen University, Wageningen 2012. (Chapter 3), Pages 27-46.
5. **Erpul, G.**, D. Gabriels, L. D. Norton. 2004. Effect of wind on runoff. Wind and Rain Interaction in Erosion, Visser, S. and Cornelis, W. (Eds.), Tropical Resource Management Papers, Chapter 6, p (79 – 96). Wageningen University and Research Centre.
6. **Erpul, G.**, D. Gabriels, L. D. Norton. 2004. Effect of slope aspect on sediment transport. Wind and Rain Interaction in Erosion, Visser, S. and Cornelis, W. (Eds.), Tropical Resource Management Papers, Chapter 9, p (143 – 158). Wageningen University and Research Centre.
7. Cornelis, W., **Erpul, G.**, D. Gabriels. 2004. The I.C.E. Wind Tunnel for Wind and Water Interaction Research. Wind and Rain Interaction in Erosion, Visser, S. and Cornelis, W. (Eds.), Tropical Resource Management Papers, Chapter 13, p (195 - 224). Wageningen University and Research Centre.
8. **Erpul, G.**, L. D. Norton, D. Gabriels. 2002. Erosion by Wind-Driven Rain, the Encyclopedia of Soil Science, ed. R. Lal, Marcel Dekker, Inc., New York, 495 – 498.

Books

1. **Erpul, G.**, Şahin, S., İnce, K., Küçümen, A., Akdağ, M.A., Demirtaş, İ., Sarıhan, B., Çetin, E., Şahin, S. 2020. Su Erozyonu II İstatistikleri. Toprak Erozyonu Kontrol Stratejileri (Sürdürülebilir Arazi/Toprak Yönetimi Uygulama ve Yaklaşımları. Çölleşme ve Erozyonla Mücadele Genel Müdürlüğü Yayınları. Ankara.
2. **Erpul, G.**, Akça, E., Kurşun, G., Keskin, S., Madenoğlu, S. 2019. Küresel Toprak Paydaşlığı ve Türkiye Toprak Bilgi Sistemi T.C. Tarım ve Orman Bakanlığı Tarım Reformu Genel Müdürlüğü & Birleşmiş Milletler Gıda ve Tarım Örgütü. Ocak 2019, Ankara. ISBN: 978-605-7599-04-9.
3. **Erpul, G.**, Akça, E., Kurşun, G., Keskin, S., Madenoğlu, S. 2019. Global Soil Partnership and Soil Information System of Turkey. The Republic of Turkey Ministry of Agriculture and Forestry, General Directorate of Agrarian Reform & Food Agriculture Organization of the United Nations. January 2019. Ankara. ISBN: 978-605-7599-04-9.
4. **Erpul, G.**, Şahin, S., İnce, K., Küçümen, A., Akdağ, M.A., Demirtaş, İ., Çetin, E., 2018. Türkiye Su Erozyonu Atlası (Water Erosion Atlas of Turkey), Çölleşme ve Erozyonla Mücadele Genel Müdürlüğü Yayınları, ISBN: 978-605-9550-23-9. Ankara
5. **Erpul, G.**, Şahin, S., İnce, K., Küçümen, A., Akdağ, M.A., Demirtaş, İ., Çetin, E., 2018. Water Erosion Atlas of Turkey (In Turkish), Publications of the General Directorate of Combatting Desertification and Erosion, ISBN: 978-605-9550-23-9. Ankara
6. **Erpul, G.**, Şahin, S., Akgöz, R., İnce, K., Güden, A., Çetin, E., 2016. Türkiye Yağışlarının Özellikleri ve Yenilenmiş Evrensel Toprak Kayıpları Eşitliği (YETKE) R Faktörü. (Rainfall Properties of Turkey and R Factor of the Revised Universal Soil Loss Equation), Çölleşme ve Erozyonla Mücadele Genel Müdürlüğü Yayınları, ISBN: 978-605-4610-93-8, Ankara
7. **Erpul, G.**, Şahin, S., Akgöz, R., İnce, K., Güden, A., Çetin, E., 2016. Rainfall Properties of Turkey and R Factor of the Revised Universal Soil Loss Equation (In Turkish), Publications of the General Directorate of Combatting Desertification and Erosion, ISBN: 978-605-4610-93-8, Ankara

Books (Translation)

1. *Erpul, G.*, Madenođlu, S., Deviren Saygın, S. 2018. Arazi Dereceleme. Ankara Üniversitesi Fen Bilimleri Enstitüsü Gayrimenkul Geliştirme ve Yönetimi Anabilim Dalı Yayın No: 34. Ankara Üniversitesi Yayınları No: 592. Ankara – 2018. ISBN: 978-605-136-360-8.

Original Work: *Land Evaluation*. Part II: Qualitative Methods (2005). Lecture Notes, International centre for Physical Land Resources, Ghent University, prepared by Prof. Dr. Eric Van Rast and Prof. Dr. ir. Ann Verdoodt (Authors) of Ghent University.

Erpul, G., Madenođlu, S., Deviren Saygın, S. 2018. Land Evaluation. Ankara University Graduate School of Natural and Applied Sciences Department of Real Estate Development and Management. Publication No: 34. Ankara University Publications No: 592. Ankara – 2018. ISBN: 978-605-136-360-8.

2. *Erpul, G.*, Deviren Saygın, S., Samray, H., Pınar M.Ö., Şengören, A. 2014. FAO – Arazi Kullanım Planlamasının Esasları. Ankara Üniversitesi Fen Bilimleri Enstitüsü Taşınmaz Geliştirme Anabilim Dalı Yayın No: 20. Ankara Üniversitesi Yayınları No: 439. Ankara – 2014. ISBN: 978-605-84875-0-5.

Original Work: *Guidelines for Land Use Planning* – Food and Agriculture Organization of the United Nations, FAO. FAO – Development Series 1, ISSN 1020-0819, ISBN 92-5-103282-3, prepared by Soil Resource, Management and Conservation Service under the guidance of the Inter-Department Working Group on Land Use Planning, Rome, 1993.

Erpul, G., Deviren Saygın, S., Samray, H., Pınar M.Ö., Şengören, A. 2014. Guidelines for Land Use Planning. Ankara University Graduate School of Natural and Applied Sciences Department of Real Estate Development. Publication No: 20. Ankara University Publications No: 439. Ankara – 2014. ISBN: 978-605-84875-0-5.

Patents

1. 1. Wind Erosion Measurement System, Passive Sediment Trap, the Başaran-Erpul Sediment Trap (BEST) for Wind Erosion Measurements, **TPE Registration No: 2013/11769** ("Ulusal, 2013/11769, Rüzgâr Erozyonu Ölçüm Sistemi").
2. 2. Multi-Sieve Wet Sieving Apparatus & Multi-Sieve Methodology for Determination of Aggregate Stability in Soil. **TPE Registration No: 2017/10618** (Ulusal, 2017/10618, Toprakta agregat dayanımının belirlenmesi için geliştirilen çok-elekli ıslak eleme aleti ve çoklu eleme yöntemi).

Key Note Speeches

1. Key Note Speech, "As wind interacts with rain, water erosion processes vary". 2017 Asia-EC JRC Joint Conference, "All That Soil Erosion: The Global Task to Conserve Our Soil Resources" December 4-7, 2017 JW Marriott Hotel, Seoul, Korea.
2. Key Note Speech, "Wind and Water Erosion Processes and their Interactions". Plenary Session 4: Science and Technology Gaps. AgroEnviron 2016 10th International Symposium on Agriculture and the Environment, Purdue University, West Lafayette, Indiana, USA. May 23-27, 2016.
3. Opening Speech, "Works on erosion processes under wind-driven rain conditions in I. C. E". Workshop for Alumni of the M.Sc. Programmes in Soil Science, Eremology and Physical Land Resources and New Waves in Physical Land Resources 3 – 9 September 2006, Ghent Belgium.

Invited International Lectures and Speeches

1. Speaker, Status of the World's Soil Resources Report, a scientific evidence for planning the way forward. Promoting Sustainable Soil Management and Soil Restoration. Global Soil Partnership Side Event organized by FAO and GSP secretariats. UNCCD COP12 12th session of the Conference of the Parties to the United Nations Convention to Combat Desertification, 12 – 23 Oct., 2015. Ankara – Turkey.
2. Speaker & Panelist, Global Soil Week 2015 Soil. The Substance of Transformation. Berlin Germany.
3. Lecturer, Wind-driven rain erosion processes. College on Soil Physics, 30th Anniversary (1983-2013). Abdul Salam International Center for Theoretical Physics (ICTP) Trieste - Italy, 25 February - 01 March 2013.
4. Lecturer, Water and Wind Erosion Models. 2nd International Course on Watershed Hydrology and Soil Conservation. 04 - 08 November 2013 International Agricultural Research and Training Center (IARTC). Ministry of Food Agriculture and Livestock, General Directorate of Agricultural Research and Policies. Menemen, Izmir / TURKEY.
5. Lecturer, Wind Erosion Control Measures in the Agricultural Fields. Workshop on Meteorology, Sand and Dust Storm (SDS), Combating Desertification and Erosion. The General Directorate of Combating Desertification and Erosion (ÇEM), the Turkish State Meteorological Service (TSMS) and the General Directorate of Forestry (OGM). 28-31 October 2013. Istanbul, Turkey.
6. Lecturer, Development of the Monitoring System for Desertification and Erosion Indicators in Turkey (ÇETSİS). A Training Course on “Combating Desertification Techniques in Arid Lands”. The General Directorate of Combating Desertification and Erosion and the Turkish Cooperation and Coordination Agency Directorate (TİKA) 12 June – 17 June 2013 Mersin, Konya, Turkey.
7. Lecturer, Water and Wind Erosion Models. 1st International Course on Watershed Hydrology and Soil Conservation. 01—05 October 2012 International Agricultural Research and Training Center (IARTC). Ministry of Food Agriculture and Livestock, General Directorate of Agricultural Research and Policies. Menemen, Izmir / TURKEY.
8. Lecturer, Inclined rainfall and wind and water erosion processes. College on Soil Physics. Abdul Salam International Center for Theoretical Physics (ICTP) Trieste - Italy, 30 August – 10 September 2010.
9. Speaker, Research on Erosion Processes of Wind-Driven Rain. USDA-ARS NSERL 1196 SOIL Bldg. West Lafayette, IN., September 19, 2009.

External Assignments

- 1- Strengthening Agricultural Infrastructure Services with the Context of Global Soil Partnership Project (**TCP/TUR/3603**). **FAO-SEC** (National Sustainable Soil Management Expert).
- 2- Decision Support for Mainstreaming and Scaling up of Sustainable Land Management Project (**DS-SLM**) (**DS-SLM Project FAO-SEC**) (GCP/GLO/337/GFF) (National Sustainable Land Management Expert).
- 3- Watershed Monitoring and Assessment System. TÜBİTAK-BİLGEM-YTE **HIDS-PRJ-TR** (Project Supervisor).
- 4- Soil Organic Carbon Project (KARBON) TÜBİTAK-BİLGEM-YTE **KARBON-PRJ-TR TR** (Project Supervisor).
- 5- Project of Validation and Calibration of Desertification Model of Turkey. TÜBİTAK-BİLGEM-YTE **TÇM-DK-PRJ-TR** (Project Supervisor).
- 6- Project of Establishment of National GIS Infrastructure in Turkey. **TUCBS**, Soil Theme. TÜBİTAK-BİLGEM-YTE (Project Supervisor).
- 7- Project of Dynamic Erosion Model and Monitoring System (**DEMİS**). The Republic of Turkey Ministry of Agriculture and Forestry, the General Directorate of Combating Desertification and Erosion.
- 8- Project of Preparing Wind Erosion Risk Map at the National Scale Dynamic Erosion Model and Monitoring System (**DEMİS**). The Republic of Turkey Ministry of Agriculture and Forestry, the General Directorate of Combating Desertification and Erosion.
- 9- Soil Erosion Assessment and Mitigation Measures (Project Coordinator). **TANAP TRANS ANATOLIAN NATURAL GAS PIPELINE PROJECT**. ANKUR
- 10- Baku-Tbilisi-Ceyhan (**BTC**) Crude Oil Pipeline Project - Turkey Section Lot – B. Special Area Reinstatement, Environmental Investment Programme.
- 11- **TURKSTREAM** EIA Agriculture & Soil. ANKUR

Peer Journal Reviews

- 1- Soil Science Society of American Journal - SSSAJ
- 2- American Society of Agricultural and Biological Engineers - ASABE
- 3- Journal of the American Water Resources Association
- 4- Soil & Tillage Research
- 5- Journal of Hydrology
- 6- Land Degradation & Development
- 7- Earth Surface Processes and Landforms
- 8- Geoderma
- 9- Catena
- 10- Hydrological Processes
- 11- Aeolian Research
- 12- Geophysical Research Letters
- 13- Biosystems Engineering
- 14- Journal of Environmental Management
- 15- Nonlinear Processes in Geophysics
- 16- Air, Soil and Water Research
- 17- Environmental Earth Sciences
- 18- Regional Environmental Change
- 19- Applied Geography
- 20- Journal of Agricultural Faculty Ege University
- 21- Environmental Monitoring and Assessment
- 22- Turkish Journal of Agriculture and Forestry
- 23- Land Use Policy
- 24- Science of the Total Environment
- 25- Plos One
- 26- The Journal of the American Water Resources Association
- 27- Journal of Soils and Sediments
- 28- European Journal of Soil Science
- 29- Zeitschrift für Geomorphologie
- 30- Soil Research
- 31- Arabian Journal of Geosciences
- 32- Soil Water Journal

Research Projects

- 1- Physically determining the soil erodibility parameter for process-based modelling of rill erosion (Researcher) TUBITAK (The Scientific and Technological Research Council of Turkey).
- 2- Soil Salinity Management by Sustainable Irrigation for Konya Plain, Turkey, through an Interdisciplinary Multi-Institutional Network between UK and Turkey, funded by British Council - TUBITAK (The Scientific and Technological Research Council of Turkey). Bilateral (Researcher).
- 3- Predicting Sediment Amount to Catchment of Eldivan-Sarayköy-II Dam by the RUSLE Technology (Project Coordinator) AU BAP (Ankara University Scientific Research Funds).
- 4- Updating Traditional Soil Map Units of Water Erosion with RUSLE – K and Determining the Uncertainty of Map Units by Geostatistics (Project Coordinator) AU BAP (Ankara University Scientific Research Funds).
- 5- The evaluation of wind erosion risk in semi-arid regions: model validation works at a regional scale (Project Coordinator) TUBITAK (The Scientific and Technological Research Council of Turkey).
- 6- Determination of Rainfall Energy and Intensity for Water Erosion Studies Using Long-Term Meteorological Data at National Scale in Turkey. (Project Coordinator) TUBITAK (The Scientific and Technological Research Council of Turkey).
- 7- Investigation of Interactions between Spatial Distribution of Wind Erosion and Soil Surface Connectivity in Fallow Plot by Direct Measurements and Prediction Models (Researcher). FDK-2018-8017, Erciyes University Scientific Research Project.
- 8- Efficiency testing for a newly designed cyclone type sediment trap BEST for wind erosion measurements (Researcher) 39820 07.12.2011-07.12. 2013. Erciyes University Scientific Research Project.

- 9- Field calibration of newly designed cyclone type sediment trap (Researcher) 24952 01.05.2009-01.05. 2010. TUBITAK (The Scientific and Technological Research Council of Turkey).
- 10- Spatially investigation of the wind erosion risk under different land uses (Project Coordinator) AU BAP (Ankara University Scientific Research Funds).
- 11- Determining to the temporal variability of soil susceptibility along to the splash and surface erosion processes (Project Coordinator) AU BAP (Ankara University Scientific Research Funds).
- 12- Determination of Spatial Variability of Soil Erodibility and Some Soil Physical Properties Dependent on Land Use and Topography in Asartepe Dam Basin. (Researcher) Ministry of Agriculture and Forestry TAGEM (General Directorate of Agricultural Research and Policies).
- 13- Determination and Monitoring of the Spatial and Temporal Variations in Soil Moisture Content and Soil Roughness by Microwave Satellite Images (Researcher) Ministry of Agriculture and Forestry TAGEM (General Directorate of Agricultural Research and Policies).
- 14- Determination of Effects of Land Degradation Trends on Land Productivity Dynamics (Researcher) Ministry of Agriculture and Forestry TAGEM (General Directorate of Agricultural Research and Policies).
- 15- Investigation of Relationships between Cover Management factor with LAI and NDVI in Different Land Uses (Researcher) TAGEM (General Directorate of Agricultural Research and Policies).

Conducted and Contributed Projects / Project Consulting

1. Detailed Erosion Survey of Sakarya State Farm, Research Fund of Ankara University, Project No: 88250044, Co-investigator, 1988.
2. Accumulation of the Vehicle-Generated Heavy Metals on the Roadside Soils, Research Fund of Ankara University, Project No: 91111003, Co-investigator, 1991.
3. Determination of N, P, K Losses Associated with Water Erosion under Laboratory Rainfall Simulation, Research Fund of Ankara University, Project No: 92250009 and Turkish Scientific and Technical Research Council (TÜBİTAK), TOAG-906, Co-investigator, 1992.
4. Control of Agricultural Pollution in Black Sea. Nutrient Loads Reduction Program Lecturer for the Nutrient Loads Reduction Program Train Sea Coast-Black Sea Unit (TSC – BSU). United Nations, New York, 2003- 2007.
5. Principal investigator, Development of a TSC on Nutrient Pollution from Agriculture Train-Sea-coast Black Sea Unit, United Nations, New York, 2003- 2007.
6. Consultancy on Bio-restoration and erosion control devices for reinstatement of steep slopes on the Baku-Tbilisi-Ceyhan Crude Pipeline Project – Lot B. BOTAS & ENCON, 2004.
7. Consultancy on Establishment of erosion measures as a part of the site-specific special area reinstatement plan of Baku-Tbilisi-Ceyhan Crude Pipeline Project – Lot B. BOTAS & ENCON, 2004.
8. Actual erosion risk analysis based on surface observations and remote sensing techniques, TUJJB, Co-investigator, 2005.
9. Consultancy on Yusufeli Dam and Hydro-Electric Power Plant (HEPP) Project. Resettlement Implementation and Income Restoration Plan. State Water Works (SWW) & ENCON. Environmental Consultancy Co. 2005.
10. Consultancy on Establishment of the measures for earth flows and soil slides at the side slopes as a part of the site-specific special area reinstatement plan of Baku-Tbilisi-Ceyhan Crude Pipeline Project – Lot B. BOTAS & ALARKO, 2005.
11. Consultancy on Hydrological assessment for scours in waterways of Baku-Tbilisi-Ceyhan Crude Pipeline Project – Lot B. BOTAS & ALARKO, 2005.
12. Determination of Rain Erosivity Indices at National Scale in Turkey. Co-investigator. Project Number: TOVAG 104 O 444, 2006.
13. Soil Conservation Project for Cayagzi Gas Processing Facility. TPAO-TOREADOR-STRATIC Cooperation. Principal investigator, 2006.
14. Determination of Block Outputs of Middle Anatolia Plutonic Rocks and Geo-chemically Mapping of Soil Zones Formed by Weathering of Plutonic Rocks. T.R. Prime Ministry State Planning Organization (SPO), Co-investigator, 2007.
15. Consultant for Mus City Environmental Management Planning. T.R. Ministry of Environment and Forestry. EGEPLAN, 2007.

16. Consultant for Bitlis City Environmental Management Planning. T.R. Ministry of Environment and Forestry. EGEPLAN, 2007.
17. Consultant for Van City Environmental Management Planning. T.R. Ministry of Environment and Forestry. EGEPLAN, 2007.
18. Consultant for Usak City Environmental Management Planning. T.R. Ministry of Environment and Forestry. GEOTECH, 2007.
19. Consultant for Isparta City Environmental Management Planning. T.R. Ministry of Environment and Forestry. GEOTECH, 2007.
20. Consultant for Konya City Environmental Management Planning. T.R. Ministry of Environment and Forestry. GEOTECH, 2007.
21. Consultant for Zonguldak City Environmental Management Planning. T.R. Ministry of Environment and Forestry. GEOTECH, 2007.
22. Consultant for Bartin City Environmental Management Planning. T.R. Ministry of Environment and Forestry. GEOTECH, 2007.
23. Consultant for Karabuk City Environmental Management Planning. T.R. Ministry of Environment and Forestry. GEOTECH, 2007.
24. Predicting Sediment Proportion In The Catchment Of Eldivan-Sarayk y-II Dam (Çankırı) By the RUSLE Methodology. Research Fund of Ankara University, Project No: 07B4347001. Principal investigator, 2009.
25. Updating Traditional Soil Map Units of Water Erosion with RUSLE – K and Determining the Uncertainty of Map Units by Geostatistics. Research Fund of Ankara University, Project No: 08B4347003. Principal investigator, 2009.
26. Erosion Risk Assessment of Ali Mountain Volcanic Cone by Using an Integrated Methodology of RUSLE/GIS/Geo-statistics. Research Fund of Erciyes University, Kayseri. Project No: NAP-FBA-07-35. Researcher, 2009.
27. Determination of Rainfall Energy and Intensity for Water Erosion Studies Using Long-Term Meteorological Data at National Scale in Turkey. TUBITAK – CAYDAG Project no: 107Y155 Principal investigator, 2009.
28. Effect of changing vegetation cover in drylands on wind erosion: Upscaling a process-based wind erosion model to the regional scale. DESIRE. EU’s Sixth Frame Program (www.desire-project.eu), Partner, 2009.
29. Consultant for Soil analyses within the framework of land consolidation, The Ministry of Agricultural and Rural Affairs, The General Directorate of Agrarian Reform. AZTATEK – Gokcag Haritacilik A.Ş., 2009.
30. National Expert, Ilisu Dam and Hydro-Electric Power Plant (HEPP) Project. Resettlement Implementation and Income Restoration Plan. State Water Works (SWW) & ENCON. Environmental Consultancy Co., 2009.
31. Consultant for Izmir City Environmental Management Planning. T.R. Ministry of Environment and Forestry. EGEPLAN, 2009.
32. Consultant for Manisa City Environmental Management Planning. T.R. Ministry of Environment and Forestry. EGEPLAN, 2009.
33. Consultant for Kutahya City Environmental Management Planning. T.R. Ministry of Environment and Forestry. EGEPLAN, 2009.
34. Design Works for Kavsakbendi Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2009.
35. Design Works for Hacınoglu Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2009.
36. Design Works for Kandil Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Project Leader, 2009.
37. Design Works for Kopru Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2009.
38. Design Works for Arkun Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2009.
39. Design Works for Menge Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2009.

40. Design Works for Gazipasa Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2009.
41. Consultant for Soil and water conservation project as a part of Environmental Impact Assessment of Kaymaz Goldmine, KOZA Gold Operations Company & SRK Consulting Natural Resources and Environment, 2009.
42. Consultant for Erosion and Sediment Control Project of Cukuralan Goldmine, KOZA Gold Operations Company & SRK Consulting Natural Resources and Environment, 2009.
43. Performing the Field Calibration of Newly-Designed Cyclone Type Sediment Trap. TUBITAK. Project No: 109O030. Researcher, 2010.
44. Investigation of Variations in Aggregate Size Distribution and Organic Carbon of Sediments Transported by Splash and Sheet Erosion Processes with Rainfall Simulations. Research Fund of Ankara University (BAP), Project No: 10B4347001. Project Coordinator, 2010-2012.
45. Consultancy on Project of Erosion Risk Assessment and Determination of Sediment Amount in the Gediz Watershed, INFOMAP, 2010.
46. Consultancy on the project of Soil Water Permeability Calibration by Grain Size Distribution and Matric Potential. SRK Consulting Natural Resources and Environment, 2010.
47. The Assessment for the Implementation of the Büyükbahçe, Bağbaşı, and Kaletepe Regulators and HEPP Projects in terms of their effects on soil and water resources and agricultural production. Tortum, Erzurum Province. Ankara University and PPM (Pollution Protection and Management Limited Company), Principal investigator, 2010.
48. Design Works for Alpaslan2 Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
49. Design Works for Çambaşı Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
50. Design Works for Dağdelen Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
51. Design Works for Dağpazarı WEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
52. Design Works for Doğançay Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
53. Design Works for Yamanlı Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
54. Design Works for Tufanbeyli Thermal Power Plant projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
55. Design Works for Tufanbeyli Coal Mine and Limestone projects Erosion Control, Reinstatement and Landscaping. AITY & EnergySA, Principal investigator, 2011.
56. Design Works for Muratlı Dam and HEPP projects Erosion Control, Reinstatement and Landscaping. AITY & ARMAHES Elektrik Üretim A.Ş., Principal investigator, 2011.
57. Consultancy on Establishment of Erosion and Sediment Model in Turkey at a National Scale INFOMAP, 2011.
58. The evaluation of wind erosion risk in semi-arid regions: model validation works at a regional scale TÜBİTAK, TOVAG Proje No: 110O296, Project Coordinator, 2011.
59. Spatially investigating wind erosion risk for different land use types. Research Fund of Ankara University (BAP), Fast Tract Project No: 11H4347001. Project Coordinator, 2011.
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