

Prof. GÜNAY ERPUL

Personal Information

Email: erpul@ankara.edu.tr

Web: <https://avesis.ankara.edu.tr/erpul>

International Researcher IDs

ORCID: 0000-0002-3797-6969

Publons / Web Of Science ResearcherID: CPR-1857-2022

Yoksis Researcher ID: 11566

Education Information

Doctorate, Purdue University, Agronomi, United States Of America 1996 - 2001

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Yıl) (Tezli), Turkey 1987 - 1990

Undergraduate, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, "Detachment and Sediment Transport From Interrill Areas under Wind-Driven Rain, Purdue University, Agronomi, 2001

Postgraduate, Detailed Erosion Survey of Sakarya State Farm Soils, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Yıl) (Tezli), 1990

Research Areas

Social Sciences and Humanities, Agricultural Sciences, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2009 - Continues

Associate Professor, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2003 - 2009

Research Assistant, Purdue University, Agronomy, 1996 - 2001

Courses

RÜZGAR EROZYONU VE TAHMİN MODELLERİ, Postgraduate, 2014 - 2015

TOPRAK VE SU KORUMA, Postgraduate, 2014 - 2015

SU EROZYONU TAHMİN MODELLERİ, Postgraduate, 2014 - 2015

ARAZİ DERECELEME VE TOPLULAŞTIRMA UYGULAMALARI, Postgraduate, 2014 - 2015

Oyuntu Erozyonu Kontrolü, Postgraduate, 2014 - 2015

TOPRAK BİLGİSİ, Undergraduate, 2014 - 2015

TERASLAMA TEKNİĞİ, Postgraduate, 2014 - 2015

TOPRAK EROZYONU ARAŞTIRMA YÖNTEMLERİ, Postgraduate, 2014 - 2015

CBS VE HAVZA SİSTEM TASARIMI, Postgraduate, 2014 - 2015

ARAZİ KULLANIM POLİTİKASI VE KULLANIM PLANLAMASI, Postgraduate, 2014 - 2015

TOPRAK VE HAVZA YÖNETİMİ, Undergraduate, 2014 - 2015

PROJE HAZIRLAMA VE DEĞERLENDİRME, Undergraduate, 2014 - 2015

TOPRAK EROZYONU VE KORUMA, Undergraduate, 2014 - 2015

Advising Theses

ERPUL G., Farklı arazi kullanım türlerinde bitkisel örtü ve ürün yönetimi faktörleri ile laı ve ndvi arasındaki ilişkilerin incelenmesi ve bölgesel ölçekte değerlendirilmesi, Doctorate, M.ÖZGE(Student), 2021

ERPUL G., Rüzgâr erozyonunun konumsal dağılımı ve toprak yüzeyi bağlantısallığı arasındaki etkileşimlerin doğrudan ölçümler ve tahmin modelleri ile araştırılması, Doctorate, S.KAPLAN(Student), 2021

ERPUL G., Yeşilhisar suni merasında kentsel arıtma çamuru ve inorganik gübre uygulanmış toprakların organik madde, agregat dayanımı ve agregat büyülüklük dağılımının incelenmesi, Postgraduate, S.KARABAĞ(Student), 2014

ERPUL G., Yarı-kurak bölgelerde rüzgâr erozyonu tehlikesinin değerlendirilmesi: Bölgesel ölçekte model geçerlilik çalışmaları, Doctorate, F.YOUSSEF(Student), 2013

ERPUL G., Yağmurlama denemeleri ile sığrama ve yüzey erozyonu sedimentlerinde agregat büyülüklük dağılımı ve organik karbon değişimlerinin incelenmesi, Doctorate, S.DEVİREN(Student), 2013

ERPUL G., Toprak erozyon duyarlığının konumsal değişiminin belirlenmesi: Pilot çalışma; Asartepe baraj havzası, Doctorate, S.MADENOĞLU(Student), 2013

ERPUL G., Gaziantep bölgesinde (Nizip, Karkamış, Yavuzeli, Oğuzeli ve Araban ilçeleri) coğrafi bilgi sistemi kullanımı ile erozyon sahalarının belirlenmesi, Postgraduate, Ş.GÜLMEZYÜZ(Student), 2012

ERPUL G., Sığrama erozyonu duyarlılığı, agregat dayanımı ve organik madde içerikleri arasındaki ilişkilerin değerlendirilmesi, Postgraduate, M.ÖZGE(Student), 2011

ERPUL G., Eldivan Sarayköy-II göleti (Çankırı) su toplama havzasında rusle yöntemi ile toprak kayıplarının tahmin edilmesi, Postgraduate, F.EBRU(Student), 2009

ERPUL G., Türkiye'de uzun dönem yağış verileri kullanılarak ulusal ölçekte rusle-r faktörünün belirlenmesi, Postgraduate, P.KAYA(Student), 2008

ERPUL G., Türkiye'de uzun dönem yağış verileri kullanılarak ulusal ölçekte RUSLE-R faktörünün belirlenmesi, P.KAYA(Student), 2008

ERPUL G., Rüzgarlı yağış koşullarında eğim yönünün yüzey akış sediment taşınımı üzerine etkisi, Postgraduate, H.SAMRAY(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Assessing the performance of wind erosion prediction models of RWEQ and SWEEP by direct measurements in an arid region

KAPLAN S., BAŞARAN M., ERPUL G.

Soil and Tillage Research, vol.240, 2024 (SCI-Expanded)

- II. Impact of soil compaction and irrigation practices on salt dynamics in the presence of a saline shallow groundwater: An experimental and modelling study

Nick S. M., Copty N. K., DEVİREN SAYGIN S., ÖZTÜRK H. S., Demirel B., Emadian S. M., ERPUL G., Sedighi M., Babaei M. Hydrological Processes, vol.38, no.3, 2024 (SCI-Expanded)

- III. Upscaling plot-based measurements of RUSLE C-factor of different leaf-angled crops in semi-arid

- agroecosystems**
Pinar M. Ö., ERPUL G.
Environmental Monitoring and Assessment, vol.195, no.11, 2023 (SCI-Expanded)
- IV. A dynamic model for salinity and sodicity management on agricultural lands: Interactive simulation approach**
Tunca M. C., Saysel A. K., Babaei M., ERPUL G.
Ecological Modelling, vol.482, 2023 (SCI-Expanded)
- V. Combining chemical and organic treatments enhance remediation performance and soil health in saline-sodic soils**
Rezapour S., Nouri A., Asadzadeh F., Barin M., ERPUL G., Jagadamma S., Qin R.
COMMUNICATIONS EARTH & ENVIRONMENT, vol.4, no.1, 2023 (SCI-Expanded)
- VI. Hydro-physical deterioration of a calcareous clay-rich soil by sodic water in Central Anatolia, Turkiye**
Öztürk H. S., Deviren Saygin S., Copty N., İzci E., Erpul G., Demirel B., Saysel A., Babaei M.
GEODERMA REGIONAL, vol.33, 2023 (SCI-Expanded)
- VII. Solute transport through undisturbed carbonatic clay soils in dry regions under differing water quality and irrigation patterns**
DEVİREN SAYGIN S., ÖZTÜRK H. S., AKÇA M. O., Copty N. K., ERPUL G., Demirel B., Saysel A. K., Babaei M.
Geoderma, vol.434, 2023 (SCI-Expanded)
- VIII. Ecosystem services studies in Turkey: A national-scale review**
Basak E., ÇETİN N. İ., VATANDAŞLAR C., Pamukcu-Albers P., Karabulut A. A., Caglayan S. D., Besen T., ERPUL G., Balkiz O., Cokcaliskan B. A., et al.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.844, 2022 (SCI-Expanded)
- IX. Monitoring seasonal and phenological variability of cover management factor for wheat cropping systems under semi-arid climate conditions**
Akgöz R., DEVİREN SAYGIN S., ERPUL G., Tel S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.6, 2022 (SCI-Expanded)
- X. Spatially and temporally assessing event-based wind erosion in adjacent plots of fallow and wheat cultivation in the Central Anatolia, Turkey**
UZUN O., KAPLAN S., Ince K., BAŞARAN M., ERPUL G.
ARCHIVES OF AGRONOMY AND SOIL SCIENCE, vol.68, no.5, pp.661-675, 2022 (SCI-Expanded)
- XI. Analysis of soil cohesion by fluidized bed methodology using integrable differential pressure sensors for a wide range of soil textures**
DEVİREN SAYGIN S., ARI F., TEMİZ Ç., Arslan Ş., ÜNAL M. A., ERPUL G.
Computers and Electronics in Agriculture, vol.191, 2021 (SCI-Expanded)
- XII. Splash detachment of sand particles under varying contact stress field of wind-driven raindrop impact**
ERPUL G., Gabriels D., Pinar M. O., Sagun C., Cornelis W.
EARTH SURFACE PROCESSES AND LANDFORMS, vol.46, pp.2870-2883, 2021 (SCI-Expanded)
- XIII. Soil erosion modelling: A global review and statistical analysis**
Borrelli P., Alewell C., Alvarez P., Ayach Anache J. A., Baartman J., Ballabio C., Bezak N., Biddoccu M., Cerda A., Chalise D., et al.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.780, 2021 (SCI-Expanded)
- XIV. Determining the effectiveness of some soil stabilizers in wind erosion prevention using wind tunnel experiments**
Erci V., ŞEKER C., BAŞARAN M., ERPUL G.
LAND DEGRADATION & DEVELOPMENT, vol.32, no.10, pp.2962-2977, 2021 (SCI-Expanded)
- XV. Soil erosion modelling: A bibliometric analysis**
Bezak N., Mikos M., Borrelli P., Alewell C., Alvarez P., Ayach Anache J. A., Baartman J., Ballabio C., Biddoccu M., Cerda A., et al.
ENVIRONMENTAL RESEARCH, vol.197, 2021 (SCI-Expanded)

- XVI. **Uncertainty assessment of soil erodibility by direct sequential Gaussian simulation (DSIM) in semiarid land uses**
Madenoglu S., ATALAY F., ERPUL G.
SOIL & TILLAGE RESEARCH, vol.204, 2020 (SCI-Expanded)
- XVII. **Spatial and quantitative assessment of wind erosion from adjacent dunes with different surface cover ratios**
KAPLAN S., Basaran M., UZUN O., Nouri A., Youssef F., DEVİREN SAYGIN S., Ozcan A. U., ERPUL G.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.2, 2020 (SCI-Expanded)
- XVIII. **Desertification vulnerability and risk assessment for Turkey via an analytical hierarchy process model**
Tuerkes M., ÖZTAŞ T., Tercan E., Erpul G., KARAGÖZ A., DENGİZ O., Dogan O., Sahin K., Avcioglu B.
LAND DEGRADATION & DEVELOPMENT, no.2, pp.205-214, 2020 (SCI-Expanded)
- XIX. **Modeling aggregate size distribution of eroded sediment resulting from rain-splash and raindrop impacted flow processes**
DEVİREN SAYGIN S., ERPUL G.
INTERNATIONAL JOURNAL OF SEDIMENT RESEARCH, vol.34, no.2, pp.166-177, 2019 (SCI-Expanded)
- XX. **Assessing nature's contributions to people**
Diaz S., Pascual U., Stenseke M., Martin-Lopez B., Watson R. T., Molnar Z., Hill R., Chan K. M. A., Baste I. A., Brauman K. A., et al.
SCIENCE, vol.359, no.6373, pp.270-272, 2018 (SCI-Expanded)
- XXI. **Process-based soil erodibility estimation for empirical water erosion models**
DEVİREN SAYGIN S., Huang C. H., Flanagan D. C., ERPUL G.
JOURNAL OF HYDRAULIC RESEARCH, vol.56, no.2, pp.181-195, 2018 (SCI-Expanded)
- XXII. **Global rainfall erosivity assessment based on high-temporal resolution rainfall records**
Panagos P., Borrelli P., Meusburger K., Yu B., Klik A., Lim K. J., Yang J. E., Ni J., Miao C., Chattopadhyay N., et al.
SCIENTIFIC REPORTS, vol.7, 2017 (SCI-Expanded)
- XXIII. **Tillage-induced Wind Erosion in Semi-arid Fallow Lands of Central Anatolia, Turkey**
Basaran M., UZUN O., KAPLAN S., Gormez F., ERPUL G.
SOIL AND WATER RESEARCH, vol.12, no.3, pp.144-151, 2017 (SCI-Expanded)
- XXIV. **Evaluation of Field Performance of BEST Aeolian Sediment Catcher in Sandy-loam Soil of Arid Zone of Turkey**
Basaran M., UZUN O., ERPUL G.
SOIL AND WATER RESEARCH, vol.12, no.2, pp.96-105, 2017 (SCI-Expanded)
- XXV. **Spatial distribution of wind-driven sediment transport rate in a fallow plot in Central Anatolia, Turkey**
UZUN O., KAPLAN S., Basaran M., DEVİREN SAYGIN S., Youssef F., Nouri A., ÖZCAN A. U., ERPUL G.
ARID LAND RESEARCH AND MANAGEMENT, vol.31, no.2, pp.125-139, 2017 (SCI-Expanded)
- XXVI. **Comparison of Aggregate Stability Measurement Methods for Clay-rich Soils in Asartepe Catchment of Turkey**
DEVİREN SAYGIN S., ERPUL G., Basaran M.
LAND DEGRADATION & DEVELOPMENT, vol.28, no.1, pp.199-206, 2017 (SCI-Expanded)
- XXVII. **Wind-Driven Rain: Erosion**
ERPUL G., Norton L. D., Gabriels D.
ENCYCLOPEDIA OF SOIL SCIENCE, VOLS I-III, 3RD EDITION, pp.2647-2649, 2017 (SCI-Expanded)
- XXVIII. **Potential Use of BEST (R) Sediment Trap in Splash - Saltation Transport Process by Simultaneous Wind and Rain Tests**
Basaran M., UZUN O., Cornelis W., Gabriels D., ERPUL G.
PLOS ONE, vol.11, no.11, 2016 (SCI-Expanded)
- XXIX. **The IPBES Conceptual Framework - connecting nature and people**
Diaz S., Demissew S., Carabias J., Joly C., Lonsdale M., Ash N., Larigauderie A., Adhikari J. R., Arico S., Baldi A., et al.
CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY, vol.14, pp.1-16, 2015 (SCI-Expanded)

- XXX. **SOIL EROSION RISK ASSESSMENT FOR VOLCANO CONE OF ALIDAGI MOUNTAIN BY USING USLE/RUSLE, GIS AND GEOSTATISTICS**
ÖZCAN A. U., UZUN O., Basaran M., ERPUL G., Aksit S., Palancioglu H. M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.6B, pp.2090-2100, 2015 (SCI-Expanded)
- XXXI. **The combined RUSLE/SDR approach integrated with GIS and geostatistics to estimate annual sediment flux rates in the semi-arid catchment, Turkey**
DEVİREN SAYGIN S., ÖZCAN A. U., Basaran M., TİMUR Ö. B., DÖLARSLAN M., Yilman F. E., ERPUL G.
ENVIRONMENTAL EARTH SCIENCES, vol.71, no.4, pp.1605-1618, 2014 (SCI-Expanded)
- XXXII. **Spatial and temporal variation of moisture content in the soil profiles of two different agricultural fields of semi-arid region**
Baskan O., Kosker Y., ERPUL G.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.185, no.12, pp.10441-10458, 2013 (SCI-Expanded)
- XXXIII. **Raindrop and flow interactions for interrill erosion with wind-driven rain**
ERPUL G., Gabriels D., Norton L. D., Flanagan D. C., Huang C. H., Visser S.
JOURNAL OF HYDRAULIC RESEARCH, vol.51, no.5, pp.548-557, 2013 (SCI-Expanded)
- XXXIV. **Mechanics of interrill erosion with wind-driven rain**
ERPUL G., Gabriels D., Norton L. D., Flanagan D. C., Huang C., Visser S. M.
Earth Surface Processes and Landforms, vol.38, no.2, pp.160-168, 2013 (SCI-Expanded)
- XXXV. **The effect of vegetation patterns on wind-blown mass transport at the regional scale: A wind tunnel experiment**
Youssef F., Visser S. M., Karssenberg D., ERPUL G., Cornelis W. M., Gabriels D., Poortinga A.
Geomorphology, vol.159-160, pp.178-188, 2012 (SCI-Expanded)
- XXXVI. **Comparison of different aggregate stability approaches for loamy sand soils**
DEVİREN SAYGIN S., Cornelis W. M., ERPUL G., Gabriels D.
APPLIED SOIL ECOLOGY, vol.54, pp.1-6, 2012 (SCI-Expanded)
- XXXVII. **Calibration of RWEQ in a patchy landscape; a first step towards a regional scale wind erosion model**
Youssef F., Visser S., Karssenberg D., Bruggeman A., ERPUL G.
Aeolian Research, vol.3, no.4, pp.467-476, 2012 (SCI-Expanded)
- XXXVIII. **Land degradation assessment by geo-spatially modeling different soil erodibility equations in a semi-arid catchment**
DEVİREN SAYGIN S., Basaran M., ÖZCAN A. U., DÖLARSLAN M., TİMUR Ö. B., Yilman F. E., ERPUL G.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.180, no.1-4, pp.201-215, 2011 (SCI-Expanded)
- XXXIX. **Comparative efficiency testing for a newly designed cyclone type sediment trap for wind erosion measurements**
Basaran M., ERPUL G., UZUN O., Gabriels D.
Geomorphology, vol.130, no.3-4, pp.343-351, 2011 (SCI-Expanded)
- XL. **Physical land suitability classification in a semi-arid condition: The Çiçekdağı State Farm-Kirsehir, Turkey**
Tunçay T., BAYRAMİN İ., ERPUL G., Kibar M.
International Journal of Physical Sciences, vol.6, no.12, pp.2973-2982, 2011 (SCI-Expanded)
- XLI. **Conditional simulation of USLE/RUSLE soil erodibility factor by geostatistics in a Mediterranean catchment, Turkey**
Baskan O., Cebel H., Akgul S., ERPUL G.
Environmental Earth Sciences, vol.60, no.6, pp.1179-1187, 2010 (SCI-Expanded)
- XLII. **Effect of attachment configuration on the trapping efficiency of Vaseline-coated slide catchers for windblown particles**
Basaran M., ERPUL G., Ozcan A. U., Bogman P., Cornelis W. M., Gabriels D.
Environmental Earth Sciences, vol.61, no.7, pp.1375-1384, 2010 (SCI-Expanded)
- XLIII. **Average sand particle trajectory examined by the Raindrop Detachment and Wind-driven Transport (RD-WDT) process**
ERPUL G., Gabriels D., Cornelis W., Samray H., Guzelordu T.

- Earth Surface Processes and Landforms, vol.34, no.9, pp.1270-1278, 2009 (SCI-Expanded)
- XLIV. Comparing the efficiency of ordinary kriging and cokriging to estimate the Atterberg limits spatially using some soil physical properties**
Baskan O., ERPUL G., Dengiz O.
Clay Minerals, vol.44, no.2, pp.181-193, 2009 (SCI-Expanded)
- XLV. Sand transport under increased lateral jetting of raindrops induced by wind**
ERPUL G., Gabriels D., Cornelis W., Samray H., Guzelordu T.
Geomorphology, vol.104, no.3-4, pp.191-202, 2009 (SCI-Expanded)
- XLVI. Comparison of soil organic carbon content, hydraulic conductivity, and particle size fractions between a grassland and a nearby black pine plantation of 40 years in two surface depths**
BAYRAMİN İ., Basaran M., ERPUL G., Dolarslan M., Canga M. R.
Environmental Geology, vol.56, no.8, pp.1563-1575, 2009 (SCI-Expanded)
- XLVII. Determination of efficiency of Vaseline slide and Wilson and Cooke sediment traps by wind tunnel experiments**
Youssef F., ERPUL G., Bogman P., Cornelis W. M., Gabriels D.
ENVIRONMENTAL GEOLOGY, vol.55, no.4, pp.741-750, 2008 (SCI-Expanded)
- XLVIII. Use of USLE/GIS technology integrated with geostatistics to assess soil erosion risk in different land uses of Indagi Mountain Pass-Cankiri, Turkey**
Ozcan A. U., ERPUL G., Basaran M., Erdogan H. E.
ENVIRONMENTAL GEOLOGY, vol.53, no.8, pp.1731-1741, 2008 (SCI-Expanded)
- XLIX. Variation of macro-aggregate stability and organic matter fractions in the basin of Saraykoy II Irrigation Dam, Cankiri, Turkey**
Basaran M., Erpul G., Ozcan A. U.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, no.2, pp.224-239, 2008 (SCI-Expanded)
- L. Spatial and short time variability of some soil properties in a nursery garden experimental site irrigated with low quality water**
Basaran M., Erpul G., Özcan A.
Asian Journal of Chemistry, vol.20, no.5, pp.3726-3740, 2008 (SCI-Expanded)
- LI. Use of USLE/GIS methodology for predicting soil loss in a semiarid agricultural watershed**
Erdogan E. H., Erpul G., Bayramin I.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.131, no.1-3, pp.153-161, 2007 (SCI-Expanded)
- LII. Numerical analysis of boron transport under different flow regimes**
ÖZTÜRK H. S., Erpul G., Ozkan I.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.15, no.5, pp.452-456, 2006 (SCI-Expanded)
- LIII. Use of CORINE methodology to assess soil erosion risk in the semi-arid area of Beypazarı, Ankara**
BAYRAMİN İ., ERPUL G., Erdoğan H. E.
Turkish Journal of Agriculture and Forestry, vol.30, no.2, pp.81-100, 2006 (SCI-Expanded)
- LIV. Sand detachment by wind-driven raindrops**
Erpul G., Gabriels D., Norton L.
EARTH SURFACE PROCESSES AND LANDFORMS, vol.30, no.2, pp.241-250, 2005 (SCI-Expanded)
- LV. Wind effects on sediment transport by raindrop-impacted shallow flow: A wind-tunnel study**
Erpul G., Gabriels D., Norton L.
EARTH SURFACE PROCESSES AND LANDFORMS, vol.29, no.8, pp.955-967, 2004 (SCI-Expanded)
- LVI. Splash-saltation trajectories of soil particles under wind-driven rain**
Erpul G., Norton L., Gabriels D.
GEOMORPHOLOGY, vol.59, no.1-4, pp.31-42, 2004 (SCI-Expanded)
- LVII. Sediment transport from interrill areas under wind-driven rain**
Erpul G., Norton L., Gabriels D.
JOURNAL OF HYDROLOGY, vol.276, no.1-4, pp.184-197, 2003 (SCI-Expanded)
- LVIII. The effect of wind on raindrop impact and rainsplash detachment**
Erpul G., Norton L., Gabriels D.

- TRANSACTIONS OF THE ASAE, vol.46, no.1, pp.51-62, 2003 (SCI-Expanded)
- LIX. **Effect of subsequent simulated rainfalls on runoff and erosion**
ERPUL G., Çanga M. R.
Turkish Journal of Agriculture and Forestry, vol.23, no.6, pp.659-665, 1999 (SCI-Expanded)
- LX. **Assessing the drop size distribution of simulated rainfall in a wind tunnel**
ERPUL G., Gabriels D., Janssens D.
SOIL & TILLAGE RESEARCH, vol.45, no.3-4, pp.455-463, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Global rainfall erosivity database (GloREDa) and monthly R-factor data at 1 km spatial resolution**
Panagos P., Hengl T., Wheeler I., Marcinkowski P., Rukeza M. B., Yu B., Yang J. E., Miao C., Chattopadhyay N., Sadeghi S. H., et al.
DATA IN BRIEF, vol.50, 2023 (ESCI)
- II. **COST OF RAISING SOIL ORGANIC CARBON FOR A QUARTER-CENTURY IN A SEMI-ARID TURKISH PLAIN: HARRAN PLAIN**
Akça E., Çullu M. A., Aydoğdu M. H., Erpul G., Aydin G., Albers P. P., Tufaner F., Çelik A., Varinca K., Zeydanlı U., et al.
Journal of Engineering and Technology for Industrial Applications, vol.8, no.36, pp.14-23, 2022 (Scopus)
- III. **Toprak neminin yarı kurak alanlarda çok zamanlı RADARSAT-2 verileri ile incelenmesi**
MADENOĞLU S., Özcan H., Eker M. R., PINAR M. Ö., Akgül S., Keçeci M., TUNCAY T., Seçmen M. H., Koç A., ÜSTÜNER M., et al.
Jeodezi ve jeoinformasyon dergisi (Online), vol.9, no.1, pp.1-11, 2022 (Peer-Reviewed Journal)
- IV. **PUBLIC POLICIES AND INVESTMENTS FOR MAINSTREAMING SUSTAINABLE FOREST MANAGEMENT IN TURKEY**
Kaya Topçu P., ERPUL G., DEVİREN SAYGIN S.
Turkish journal of forest science (Online), vol.6, no.1, pp.174-185, 2022 (Peer-Reviewed Journal)
- V. **How Is Land Degradation Perceived By the Farmers of Beypazarı?**
Kaya Topçu P., ERPUL G., DEVİREN SAYGIN S.
Ziraat Mühendisliği, vol.374, pp.67-75, 2022 (Peer-Reviewed Journal)
- VI. **Redefining Water Treatment: Identification of WWTPs as an Earth System Problem and Circular Economic Eco-Bog System to Challenge It**
BİLGİN A., ERPUL G.
European Journal of Environment and Earth Sciences, vol.2, 2021 (Peer-Reviewed Journal)
- VII. **PARMAK EROZYONU SÜREÇLERİNİN WEPP MODELİ YAKLAŞIMI İLE İNCE BÜNYELİ TOPRAKLAR İÇİN DEĞERLENDİRİLMESİ**
Arslan Ş., DEVİREN SAYGIN S., ARI F., TEMİZ Ç., ÜNAL M. A., ERPUL G.
Toprak Bilimi ve Bitki Besleme Dergisi, vol.11, pp.99-110, 2020 (Peer-Reviewed Journal)
- VIII. **Monitoring land cover changes during different growth stages of semi-arid cropping systems of wheat and sunflower by NDVI and LAI**
Pınar M. Ö., ERPUL G.
Institute of Electrical and Electronics Engineers, pp.1-5, 2020 (Peer-Reviewed Journal)
- IX. **Determination of National Dynamic Wind Erosion Model and Monitoring System Vegetation Parameter**
Akgöz R., INCE K., Erpul G.
Toprak Su Dergisi, vol.9, no.1, pp.37-44, 2020 (Peer-Reviewed Journal)
- X. **Ulusal Dinamik Rüzgar Modeli ve İzleme Sistemi Pürüzlülük Parametresinin Belirlenmesi**
Akgöz R., İnce K., ERPUL G.
Anadolu Tarım Bilimleri Dergisi, 2020 (Peer-Reviewed Journal)
- XI. **Ulusal Dinamik Rüzgar Erozyonu Modeli ve İzleme Sistemi Bitki Örtüsü Parametresinin Belirlenmesi**
Akgöz R., İnce K., ERPUL G.

- Toprak Su Dergisi, 2020 (Peer-Reviewed Journal)
- XII. **Predicting Spatial and Temporal Changes in Soil Loss by Wind Erosion in Turkey**
İnce K., Akgöz R., ERPUL G.
Journal of the Institute of Science and Technology, no.4, pp.2336-2345, 2019 (Peer-Reviewed Journal)
- XIII. **Türkiye'de Rüzgâr Erozyonu Toprak Duyarlılık Değişkenlerinin Ulusal Ölçekte Belirlenmesi ve Haritalanması**
İnce K., Çelik S., ERPUL G.
Ege Üniversitesi Ziraat Fakültesi Dergisi, no.56, pp.121-130, 2019 (Peer-Reviewed Journal)
- XIV. **Yarı Kurak Bölgelerde Farklı Arazi Kullanımlarında Toprak Erozyon Duyarlılığının Belirlenmesi**
Madenoğlu S., ERPUL G.
Süleyman Demirel University Ziraat Fakültesi Dergisi, pp.484-493, 2018 (Peer-Reviewed Journal)
- XV. **Tarım Arazilerinde Bitkisel Örtü ve Ürün Yönetimi Faktörünün (C-Faktörü) Belirlenmesi ve NDVI ile İlişkisi**
Pınar M. Ö., ERPUL G.
Süleyman Demirel Üniversitesi Ziraat Fakültesi Dergisi, pp.83-90, 2018 (Peer-Reviewed Journal)
- XVI. **The Effect of Fallow Tillage Management on Aeolian Soil Losses in Semiarid Central Anatolia, Turkey**
Nouri A., Youssef F., Basaran M., Lee J., Saxton A. M., ERPUL G.
Agrosystems, Geosciences and Environment, vol.1, no.1, pp.1-13, 2018 (Scopus)
- XVII. **Yenilenmiş Rüzgâr Erozyonu Eşitliğiİklim Faktörünün Ulusal Ölçekte Belirlenmesi**
İnce K., Şahin S., ERPUL G.
Soil and Water Journal, vol.7, no.2, pp.12-20, 2018 (Peer-Reviewed Journal)
- XVIII. **Deviren D S S Madenoglu G Erpul 2015 Türkiye de Toprak Erozyonu ve Çölleşme TÜRKTOB Dergisi 15 64 69**
DEVİREN SAYGIN S., Madenoğlu S., ERPUL G.
TÜRKTOB, no.15, pp.64-69, 2015 (Peer-Reviewed Journal)
- XIX. **Toprak Koruma ve Arazi Kullanımı Kanunu Mevcut Durum Analizi**
ERPUL G., Madenoğlu S., DEVİREN SAYGIN S.
Verim Dergisi, no.37 , pp.18-24, 2014 (Peer-Reviewed Journal)
- XX. **Ülkemizdeki toprak erozyonu sorunu üzerine: Ne yapmalı**
ERPUL G., DEVİREN SAYGIN S.
Toprak Bilimi ve Bitki Besleme Dergisi, vol.1, no.1, pp.26-32, 2012 (Peer-Reviewed Journal)
- XXI. **Relationship between organic carbon content and fraction size class under different land uses in a semi arid catchment**
DEVİREN SAYGIN S., ERPUL G.
Kurum Dergisi, no.1, pp.281, 2010 (Peer-Reviewed Journal)
- XXII. **Küresel ısınma ve ülkemiz tarımına etkileri**
NAMLI A., ÖZTÜRK H. S., BAYRAMİN İ., ERPUL G., Suiçmez R. B.
Türktaşım Tarım ve Köyişleri Bakanlığı Dergisi, no.179, pp.24, 2008 (Peer-Reviewed Journal)
- XXIII. **Spatial variability of organic matter and some soil properties of mineral topsoil in Cankiri İndagi Blackpine (*Pinus nigra*) plantation region**
Basaran M., ÖZCAN A., ERPUL G., Canga M.
Journal of Applied Sciences, vol.6, no.2, pp.445-452, 2006 (Scopus)
- XXIV. **Use of CORINE Methodology to Assess Soil Erosion Risk in the Semi Arid Area of Beypazarı Ankara Turkey**
BAYRAMİN İ., ERPUL G., Erdoğan E.
Tr. J. of Agricultural and Forestry, no.30, pp.81, 2006 (Peer-Reviewed Journal)
- XXV. **Çankırı İndağı Karaçam Pinus nigra Arnold Plantasyon Alanında Mineral Üst Toprağın Organik Madde Kapsamı ve Bazı Özelliklerinin Konumsal Değişimleri**
BAŞARAN M., ÖZCAN A. U., ERPUL G., ÇANGA M. R.
Gazi Üniversitesi Orman Fakültesi Dergisi, no.5, pp.128, 2005 (Peer-Reviewed Journal)
- XXVI. **Effect of wind on size and energy of small simulated raindrops: A wind tunnel study**

- Erpul G., Gabriels D., Janssens D.
International Agrophysics, vol.14, no.1, pp.1-7, 2000 (Scopus)
- XXVII. **Doğal Yağışların Laboratuvar Tipi Yağışlar ile Karşılaştırılması**
ERPUL G., ÇANGA M. R.
Ankara Üniversitesi Ziraat Fakültesi Tarım Bilimleri Dergisi, vol.6, no.1, pp.32-35, 2000 (Peer-Reviewed Journal)
- XXVIII. **Accumulation of the vehicle-generated heavy metals on the roadside soils Yol kenarındaki topraklarda trafikten kaynaklanan ağır metallerin birikimi**
Haktanır K., Arcak S., Erpul G., Tan A.
Turkish Journal of Engineering & Environmental Sciences, vol.19, no.6, pp.423-431, 1995 (Scopus)
- XXIX. **Erosion survey of Sakarya State Farm soils**
Erpul G., Canga M.
Turkish Journal of Agriculture & Forestry, vol.18, no.3, pp.225-228, 1994 (Scopus)
- XXX. **Toprak İşlemeli Tarım Alanlarında Erozyon ve Kontrolü**
ÇANGA M. R., ERPUL G.
Topraksu, no.2, pp.14-16, 1994 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Arazi Tahribatının Dengelenmesi Karar Destek Sistemi**
Erpul G., Akça E., Karaman N. A., Canlı P., Morkoç S., Karataş Z. K., Tekin S. N.
T.C. Çevre, Şehircilik ve İklim Değişikliği Bakanlığı Çölleşme ve Erozyonla Mücadele Genel Müdürlüğü Yayımları, Ankara, 2023
- II. **Su Erozyonu İl İstatistikleri**
ERPUL G., İnce K., Demirhan A., Küçümen A., Akdağ M. A., Demirtaş İ., Sarıhan B., Çetin E., Şahin S.
T.C. Tarım ve Orman Bakanlığı, 2020
- III. **Küresel Toprak Paydaşlığı ve Türkiye Toprak Bilgi Sistemi**
ERPUL G., AKÇA E., Kurşun G., Madenoğlu S., Keskin S.
Tarım ve Orman Bakanlığı ve FAO, Ankara, 2019
- IV. **Türkiye Su Erozyonu Atlası**
ERPUL G., Şahin S., İnce K., Küçümen A., Akdağ M. A., Demirtaş İ., Çetin E.
T.C. Tarım ve Orman Bakanlığı, Ankara, 2018
- V. **Arazi Dereceleme**
ERPUL G., Madenoğlu S., DEVİREN SAYGIN S.
Ankara Üniversitesi, Ankara, 2018
- VI. **Türkiye Yağışlarının Özellikleri ve Yenilenmiş Evrensel Toprak Kayıpları Eşitliği YETKE R Faktörü**
ERPUL G., ŞAHİN S., AKGÖZ R., İNCE K., GÜDEN A., ÇETİN E.
Çölleşme ve Erozyonla Mücadele Genel Müdürlüğü Yayımları, Ankara, 2016
- VII. **FAO Arazi Kullanım Planlamasının Esasları**
ERPUL G., DEVİREN SAYGIN S., Samray H., Pınar M. Ö., Şengören A.
Ankara Üniversitesi Yayınevi, Ankara, 2014
- VIII. **Erosion by Wind-Driven Rain**
ERPUL G., Norton L., Gabriels D.
in: The Encyclopedia of Soil Science, R. LAL, , Editor, M. DEKKER Inc., New York, pp.495-498, 2011

Refereed Congress / Symposium Publications in Proceedings

- I. **Yeni Bir Döngüsel Biyoekonomik Üretim Sisteminin Ekobataklık Biriminin Bir Parçası Olarak Desulfürize Baca Gazı Sıkıştırması Fizibilitesi**
Bilgin A., ERPUL G., DEVİREN SAYGIN S., AKÇA M. O., Arslan Ş.

74. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 11 April 2022
- II. **Dynamic Erosion Model and Monitoring System (DEMIS) Produces Updated Erosion Statistics by Land Use Types at the Province Scale in Kastamonu**
Demirtaş İ., İnce K., Demirhan A., Küçümen A., Akdağ M. A., Saruhan B., ERPUL G.
1st International Forestry Nature Torism E-Congress, 27 November 2020
- III. **Fluidized-bed: As an alternative method for rill erodibility modeling**
DEVİREN SAYGIN S., ARI F., TEMİZ Ç., arslan ş., ÜNAL M. A., ERPUL G.
EGU General Assembly 2020, 4 - 08 May 2020
- IV. **Soil Cohesion Development under Different Pore and Size Characteristics**
TEMİZ Ç., ARI F., DEVİREN SAYGIN S., arslan ş., ÜNAL M. A., ERPUL G.
EGU 2020 General Assembly, 4 - 08 May 2020
- V. **Agro-Geoinformatics 2019 Author Index**
Pınar M. Ö., ERPUL G.
2019 8th International Conference on Agro-Geoinformatics (Agro-Geoinformatics), İstanbul, Turkey, Turkey, 16 - 19 July 2019
- VI. **Investigation of Soil Cohesion Changes for Two Different Soils and Initial Moisture Conditions**
TEMİZ Ç., ARI F., DEVİREN SAYGIN S., ÜNAL M. A., ERPUL G.
International Soil Congress 2019, Ankara, Turkey, 17 - 19 June 2019, pp.318-322
- VII. **A Modernized Application to Survey Soil Cohesion Changes**
DEVİREN SAYGIN S., ARI F., TEMİZ Ç., ÜNAL M. A., ERPUL G.
International Soil Congress 2019, Ankara, Turkey, 17 - 19 June 2019, pp.271-274
- VIII. **Investigation of Soil Cohesion for Two Different Soils and Initial Moisture Conditions**
TEMİZ Ç., ARI F., DEVİREN SAYGIN S., Ünal Ü. A., ERPUL G.
10th International Soil Congress 2019, 17 - 19 June 2019
- IX. **National Dynamic Erosion Model and Monitoring System (DEMIS) in Turkey**
Şahin S., İnce K., Çetin E., Küçümen A., Akdağ M. A., Demirtaş İ., ERPUL G.
10th International Soil Congress 2019, 17 - 19 June 2019
- X. **Model-Based System for Analysing Wind Erosion Risk in Turkey**
Sarhan B., İnce K., Küçümen A., Demirhan A., Akdağ M. A., Demirtaş İ., ERPUL G.
10th International Soil Congress 2019, Ankara, Turkey, 17 - 19 June 2019
- XI. **Dynamic Erosion Model and Monitoring System at the National Scale in Turkey**
Şahin S., ERPUL G., İnce K., Çetin E., Akdağ M. A., Demirtaş İ.
Global Symposium on Soil Erosion, Roma, Italy, 15 - 17 May 2019
- XII. **Monitoring land cover changes during different growth stages of semi-arid cropping systems of wheat and sunflower by NDVI and LAI**
Pınar M. O., ERPUL G.
8th International Conference on Agro-Geoinformatics (Agro-Geoinformatics), İstanbul, Turkey, 16 - 19 July 2019
- XIII. **Sürdürülebilir Toprak/Arazi Yönetiminin Erozyon ve Baraj Güvenliğine Etkisi**
Madenoğlu S., Şahin S., Pınar M. Ö., ERPUL G.
5th International Symposium on Dam Safety, 27 October - 01 November 2018, pp.1398-1409
- XIV. **Derinöz Baraj Havzasında Şiddetli Erozyon Alanlarının Belirlenmesi ve Rezervuar Sediment Yükünün Hesaplanması**
Pınar M. Ö., Şahin S., Madenoglobin S., ERPUL G.
5th International Symposium on Dam Safety, İstanbul, Turkey, 27 - 31 October 2018, pp.1088-1099
- XV. **Soil Cohesion of Two Similar Silt Loam Soils**
DEVİREN SAYGIN S., Huang C. H., Flanagan D. C., ERPUL G.
10th International Congress on "The Soil Resources and Environment Conservation", 17 - 19 October 2018, pp.82-89
- XVI. **The Variance in the K Factor of RUSLE Associated with Land Use (LA) Types of the Semiarid Regions**
Madenoglobin S., ERPUL G.
1st International Congress on Agricultural Structure and Irrigation 14. Ulusal Tarımsal Yapılar ve Sulama Kongresi,

- 26 - 28 September 2018
- XVII. **tarım Arazilerinde Bitkisel Örtü ve Ürün Yönetimi Faktörünün (C Faktörü) Belirlenmesi ve NDVI ile İlişkisi**
Pınar M. Ö., ERPUL G.
1st International Congress on Agricultural Structures and Irrigation 14. Ulusal Tarımsal Yapılar ve Sulama Kongresi, 26 September - 28 October 2018
- XVIII. **Determining Vegetation Cover Layer of National Wind Erosion Model**
Akgöz R., İnce K., ERPUL G.
International Congress on the 75th Anniversary of Turkish Geographical Society, 8 - 10 November 2017
- XIX. **Climate Change and Sustainable Soil Management (SSM)**
Topçu P., ERPUL G.
International Congress on the 75th Anniversary of Turkish Geographical Society, 8 - 10 November 2017
- XX. **As Wind Interacts with Rain, Water Erosion Processes Vary**
ERPUL G.
2017 Asia-EC JRC Joint Conference "All that Soil Erosion: The Global Task to Conserve Our Soil Resources", 4 - 07 December 2017
- XXI. **Modeling Studies for Desertification and Soil Erosion Monitoring in Turkey**
Yener A. Y., Şahin S., ERPUL G.
2017 Asia-EC JRC Joint Conference "All That Soil Erosion: The Global Task to Conserve Our Soil Resources", 4 - 07 December 2017
- XXII. **Enhancing land and soil quality for sustainable agriculture: Soil Erosion and Sustainable Agriculture.**
DEVİREN SAYGIN S., ERPUL G.
International Congress on the 75th Anniversary of Turkish Geographical Society, 8 - 10 October 2017
- XXIII. **Türkiye'xxde Sürdürülebilir Kalkınma Hedefleri (SKH) Çerçeveşinde Arazi Tahribatının Dengelenmesi (ATD) Politika ve Stratejileri (Policies and Strategies on Land Degradation Neutrality (LDN) within the Framework of Sustainable Development Goals (SDGs) in Turkey**
Topçu P., ERPUL G.
V. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12 - 15 September 2017
- XXIV. **İklim Değişikliği, Ekosistem Hizmetleri ve Arazi Bozulumunun Dengelenmesi Kapsamında Toprak Organik Karbonunun Modellenmesi (Modelling of Soil Organic Carbon in the Context of Climate Change, Ecosystem Services and Land Degradation Neutrality**
Madenoğlu S., Erdoğan E. H., ERPUL G.
V. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12 - 15 September 2017
- XXV. **The Wind Erosion Intensity over Different Land Use in Altınova, Turkey**
UZUN O., Kaplan S., ERPUL G., İnce K., BAŞARAN M.
IMCOFE'xx17, 23 - 25 August 2017
- XXVI. **Assessment of Agricultural Soil Moisture against Drought**
ERPUL G.
International Conference on Conservation Agriculture: Strategies for the Promotion and Uptake in the Central and West Asia and North Africa Region, 5 - 07 July 2017
- XXVII. **Soil, Civilization and Life**
ERPUL G., DEVİREN SAYGIN S., Gabriels D.
70. International Geology Congress, 10 - 14 April 2017
- XXVIII. **National Land Degradation Neutrality Targets Foster SOC Sequestration in Turkey**
Keskin H., Şenyaz A., ERPUL G.
Global Symposium on Soil Organic Carbon, 21 - 23 March 2017
- XXIX. **Modeling aggregate size distribution of eroded sediments by rain-splash and raindrop impacted flow processes**
DEVİREN SAYGIN S., ERPUL G.
Soil Erosion Modelling Workshop, 20 - 22 March 2017
- XXX. **The measured and predicted USLE RUSLE K values for the eroded sediments by RIFT from different**

- land uses under laboratory simulated rainfalls**
DEVİREN SAYGIN S., ERPUL G.
EUROSOIL Istanbul 2016, 16 - 21 October 2016
- XXXI. Detailed investigation of soil erodibility parameters under different moisture conditions within the process based WEPP model approach**
DEVİREN SAYGIN S., HUANG C., DENNIS F., ERPUL G.
EUROSOIL Istanbul 2016, 16 - 21 October 2016
- XXXII. National Wind Erosion Risk Map**
ERPUL G.
International Workshop on "Sand and Dust Storms", 4 - 07 October 2016
- XXXIII. Update of the Land Degradation and Restoration Assessment**
ERPUL G.
IPBES Global Assessment First Author Meeting, 15 - 19 August 2016
- XXXIV. Impact of Tillage Management on Aeolian Sediment Transport A MultiSource Regression Analysis Using Effective Plant Cover EPC Factor**
NOURI A., ERPUL G., YOUSSEF F., BAŞARAN M., LEE J.
AgroEnviron 2016, 23 - 27 May 2016
- XXXV. Relational Analysis of Aggregate Size Distributions and Soil Organic Carbons of the Eroded Sediments**
DEVİREN SAYGIN S., ERPUL G.
AgroEnviron 2016, 23 - 27 May 2016
- XXXVI. Wind and Water Erosion Processes and their Interactions**
ERPUL G.
AgroEnviron 2016, 23 - 27 May 2016
- XXXVII. Sand detachment with shallow asymmetric corona formation under well developed lateral jets of wind driven raindrop impacts**
ERPUL G., GABRIELS D., SAGUN Ç., PINAR M. Ö., CORNELIS W.
AgroEnviron 2016, 23 - 27 May 2016
- XXXVIII. Rüzgar erozyonunun izlenmesi**
BAŞARAN M., ERPUL G.
UNCCD-COP12, Ankara, Turkey, 14 - 16 October 2015
- XXXIX. Erozyon Risk Haritası**
ERPUL G.
UNCCD_COP12, Ankara, Turkey, 14 October 2015
- XL. Status of the World's Soil Resources Report a scientific evidence for planning the way forward**
ERPUL G.
UNCCD COP12 12th Session of Conference of the Parties to the United Nations Convention to Combat Desertification, 12 - 23 October 2015
- XLI. Advice from Policy makers on how to effectively link the soil and agriculture and wider SLM agendas towards the SDG agenda**
ERPUL G.
UNCCD COP12 12th session of the Conference of the Parties to the United Nations Convention to Combat Desertification, 12 - 23 October 2015
- XLII. Use of USLE for predicting soil loss and determining conservation practices in an agricultural watershed**
ERDOĞAN E., ERPUL G., BAYRAMİN İ.
International Conference on Water, Land and Food Security in Arid and Semi-Arid Regions., Bari, Italy, 06 September 2005 - 11 September 2015
- XLIII. Altın İşletme Faaliyetlerinin Taşınan Tozdaki Ağır Metal İçeriği Üzerine Etkisinin Belirlenmesi**
UZUN O., SAHAN S., GÜNEŞ A., KARABAĞ S., GUNES S., BAŞARAN M., ERPUL G.
Toprak ve Su Kaynakları Kongresi, Kahramanmaraş, Turkey, 1 - 04 September 2015

- XLIV. **Altın İşletme Faaliyetlerinin Tarımsal Alanlardaki Toprak ve Bitki Ağır Metal İçeriği Üzerine Etkisinin Belirlenmesi**
 GÜNEŞ A., UZUN O., SAHAN S., GUNES S., BAŞARAN M., ERPUL G.
 Toprak ve Su Kaynakları Kongresi, Kahramanmaraş, Turkey, 1 - 04 September 2015
- XLV. **Sand detachment under obliquity of Wind Driven Rain WDR vector**
 ERPUL G., DONALD G., SAGUN Ç., M ÖZGE P., WIM C.
 DESERTLAND II CONFERENCE ON DESERTIFICATION AND LAND DEGRADATION, 16 - 17 July 2015, pp.17
- XLVI. **Modelling aggregate size stability distributions by Log normal Fractal and Weibull approaches in eroded sediment**
 DEVİREN SAYGIN S., ERPUL G.
 DESERTLAND II Conference on Desertification and Land Degradation, 16 - 17 July 2015, pp.35
- XLVII. **Wind erosion risk assessment Sample case for Altınova Agricultural Enterprise**
 UZUN O., FATİH G., SEVİLAY S., HAYRETTİN Y., HANİFİ A., BAŞARAN M., ERPUL G.
 DESERTLAND II CONFERENCE ON DESERTIFICATION AND LAND DEGRADATION, 16 - 17 July 2015, pp.46
- XLVIII. **Modeling spatial uncertainty of soil erodibility in different land uses using Direct Sequential Simulation DSIM**
 SEVİNÇ M., ERPUL G., ATALAY F., TERCAN A. E.
 DESERTLAND II CONFERENCE ON DESERTIFICATION AND LAND DEGRADATION, 16 - 17 July 2015, pp.51
- XLIX. **Investigation of aggregate and size distributions of soil treated with different sewage sludge and chemical fertilizer doses**
 KAPLAN S., BAŞARAN M., DEVİREN SAYGIN S., UZUN O., ERPUL G.
 DESERTLAND II CONFERENCE ON DESERTIFICATION AND LAND DEGRADATION, 16 - 17 July 2015, pp.26
- L. **Efficiency of BEST sediment trap for splash saltation transport process by simultaneous wind and rain tests**
 BAŞARAN M., UZUN O., ERPUL G., Donald G., WIM C.
 DESERTLAND II CONFERENCE ON DESERTIFICATION AND LAND DEGRADATION, 16 - 17 July 2015, pp.38
- LI. **Modelling Aggregate Size Distributions By Log Normal Fractal And Weibull Approaches In Eroded Sediments**
 DEVİREN SAYGIN S., ERPUL G.
 DESERTLAND II, 15 - 17 June 2015
- LII. **Investigation of Aggregate Stability and Size Distribution of Soils Treated with Different Sewage Sludge and Chemical Fertilizer Doses on Artificial Pasture in Turkey**
 KARABAĞ S., BAŞARAN M., DEVİREN SAYGIN S., OGUZHAN U., ERPUL G.
 DESERTLAND II, 16 - 17 June 2015
- LIII. **Soil and land indicators for the international policy agenda towards joint action Challenges for future assessment of global land degradation and restoration**
 ERPUL G., LUCA M., URIEL S.
 GLOBAL SOIL WEEK 2015 SOIL. THE SUBSTANCE OF TRANSFORMATION, 19 - 23 April 2015, pp.21-22
- LIV. **Çölleşme Kuraklık ve Erozyonun Olası Etkilerinin Türkiye Ölçeğinde Değerlendirilmesi**
 KARAGÖZ A., DOĞAN O., ERPUL G., DENGİZ O., SÖNMEZ B., TEKELİ İ., DEVİREN SAYGIN S., MADENOĞLU S.
 ZMO VIII. Teknik Kongresi, Ankara, Turkey, 12 - 16 January 2015, vol.1, pp.118-141
- LV. **Developing Relations Between Soil Erodibility Factors in Two Different Soil Erosion Prediction Models USLE RUSLE and WEPP and Fluidization BED Technique for Mechanical Soil Cohesion**
 DEVİREN SAYGIN S., HUANG C., ERPUL G.
 ASA, CSSA, and SSSA Annual Meeting, CALIFORNIA -LONG BEACH, United States Of America, 2 - 05 November 2014
- LVI. **Soil compaction assessment by penetrometer measurements on maize field**
 NICODEMUS K., CORNELIS W., ERPUL G.
 9th International Soil Science Congress on the Soul of Soil and Civilization, Antalya, Turkey, 14 - 16 October 2014
- LVII. **Haymana Çatalkaya Havzasında Toprak Erozyon Duyarlılık Faktörünün Yağışla İlişkilendirilmesi**
 Sarısamur F., Başkan O., Demirkran O., AKGÜL S., MADENOĞLU S., CEBEL H., ERPUL G.
 II. Uluslararası Katılımlı Kuraklık ve Çölleşme Sempozyumu, Konya, Turkey, 16 - 18 September 2014

- LVIII. **Emlak Vergisi Değeri Yönünden Özellik Gösteren Konular ve Uygulama Sorunları**
 TANRIVERMİŞ H., ARSLAN M., ERPUL G., ALİEFENDİOĞLU Y., BÖKE V., ÇİÇEKLİ A.
 Ankara Üniversitesi – Sincan Belediye Başkanlığı Emlak Vergisi Sorunları Ve Çözümleri Sempozyumu, Turkey, 11 February 2014
- LIX. **Calibration of RWEQ in a Patchy Landscape a First Step towards a Regional Scale Wind Erosion Model**
 YOUSSEF F., VISSER S., KARSSENBERG D., BRUGGEMAN A., ERPUL G.
 7th International Conference on Aeolian Research (ICAR-VII), Argentina, 5 - 09 July 2010
- LX. **Relationship between organic carbon content and fraction size class under different land uses in a semi arid catchment**
 DEVİREN SAYGIN S., ERPUL G.
 International Soil Science Congress on Management of Natural resources to sustain soil health and quality, 26 - 28 May 2010, pp.281
- LXI. **The spatial variation in wind blown sediment transport in small scales in Karapınar Turkey**
 Youssef F., Visser S., Karssenberg D., ERPUL G.
 International Soil Science Congress on "Management of Natural Resources to Sustaion Soil Health and Quality"
 Ondokuz Mayıs University Samsun - Turkey May 26-26, 2010, 26 - 28 May 2010, pp.116
- LXII. **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**
 BAŞARAN M., ÖZCAN A. U., DEVİREN SAYGIN S., YILMAN E., DÖLARSLAN M., TİMUR Ö. B., ERPUL G., BAYRAMİN İ., KİBAR M.
 1st National Drought and Desertification Symposium 2009, Turkey, 16 - 18 June 2009
- LXIII. **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**
 YOUSSEF F., VISSER S., STROOSNIJDER L., ERPUL G.
 1st National Drought and Desertification Symposium 2009, Turkey, 16 - 18 June 2009
- LXIV. **Works on erosion processes under wind driven rain conditions in ICE**
 ERPUL G., GABRIELS D.
 New Waves in Physical Land Resources. Proceedings of the Workshop for Alumni of the M. Sc. Programmes in Soil Science, Eremology and Physical Land Resources, 3 - 09 September 2006, pp.12-22
- LXV. **Determining relationship of RUSLE R factor with total annual rainfall amount and MFI on a national scale in Turkey**
 YILMAN E., ÖZSAYAR M., KAYA P., ERPUL G., BAYRAMİN İ.
 18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology, Şanlıurfa, Turkey, 22 - 26 May 2006, vol.1, pp.402-409
- LXVI. **The effect of slope aspect on sediment transport by shallow overland flow under wind driven rain**
 SAMRAY H., ERPUL G., GABRIELS D.
 18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology, Şanlıurfa, Turkey, 22 - 26 May 2006, vol.1, pp.459-464
- LXVII. **Spatial and seasonal variability of soil salinity in a Spruce Picea pungens nursery garden experimental site irrigated with low quality water**
 BAŞARAN M., ÖZCAN A. U., ERPUL G.
 18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology, Şanlıurfa, Turkey, 22 - 26 May 2006, vol.1, pp.100-107
- LXVIII. **Kinetic energy calculations for RUSLE technology using long term recorded data in Turkey**
 KAYA P., AYDIN S., YILMAN E., ÖZSAYAR M., ERPUL G., BAYRAMİN İ.
 18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology, Şanlıurfa, Turkey, 22 - 26 May 2006, vol.2, pp.555-560
- LXIX. **Determination of erosivity indexes on a national scale in Turkey**
 ERDOĞAN E., KESİM A., UĞURLU A., ÖZTÜRK H. S., ERPUL G., BAYRAMİN İ.

- 18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology", Şanlıurfa, Turkey, 22 - 26 May 2006, vol.1, pp.395-401
- LXX. **Using geographic information systems to generate climate classification map of Turkey**
TUNÇAY T., UĞURLU A., KESİM A., ERDOĞAN E., ERPUL G., BAYRAMİN İ.
18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology", Şanlıurfa, Turkey, 22 - 26 May 2006, vol.1, pp.346-355
- LXXI. **Long term effects of Blackpine Pinus nigra plantation on organic carbon and some properties in Cankiri Turkey**
BAŞARAN M., ERPUL G.
18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology", Şanlıurfa, Turkey, 22 - 26 May 2006, vol.2, pp.776-778
- LXXII. **Determination of efficiency of vaseline slide and Wilson and Cooke sediment traps by wind tunnel experiments**
YOUSSEF F., ERPUL G., CORNELIS W., GABRIELS D., ÇANGA M. R.
18th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology", Şanlıurfa, Turkey, 22 - 26 May 2006, vol.1, pp.389-394
- LXXIII. **The effects of changes in land use and soil cover on some important soil properties in highland ecosystem of semi arid Turkey ISCO 2006**
BAŞARAN M., ÇANGA M. R., ERPUL G.
14th International Soil Conservation Organization Conference. Water Management and Soil Conservation in Semi-Arid Environments, MARAKEŞ, Morocco, 14 - 19 May 2006, pp.187
- LXXIV. **Spatial interpretation of RUSLE soil erodibility factor K in alluvial and colluvial soils**
SAĞLAM M., ÖZTÜRK H. S., ERPUL G., ERŞAHİN S., ÖZKAN İ.
College on Soil Physics, 12 – 30 September 2005, The Abdus Salam International Centre for Theoretical Physics, Trieste; Italy, Trieste, Italy, 30 September - 02 October 2005
- LXXV. **Numerical analysis of boron transport under different flow regimes**
ÖZTÜRK H. S., ERPUL G., BAYRAMİN İ., Özkan İ.
. International Salinity Forum, California, Riverside, United States Of America, 25 - 27 April 2005, pp.355-358
- LXXVI. **Effect of wind on raindrop distribution and rain intensity**
ERPUL G., Gabriels D.
WORKSHOP II on Measuring and Computing Techniques on Agricultural Issues. AGROENVIRON 2004 Role of Multi-purpose Agriculture in Sustaining Global Environment, Udine, Italy, 20 - 24 October 2004
- LXXVII. **Establishment of erosion measures as a part of the site specific special area reinstatement plan of Baku Tbilisi Ceyhan Crude Pipeline Project Lot B**
Evin G., ERPUL G., BAYRAMİN İ., KİBAR M.
International Soil Congress (ISC) on "Natural Resource Management for Sustainable Development, Erzurum, Turkey, 7 - 10 June 2004
- LXXVIII. **Bio restoration and erosion control devices for reinstatement of steep slopes on the Baku Tbilisi Ceyhan Crude Pipeline Project Lot B**
ERPUL G., BAYRAMİN İ., Evin G., ÖZTÜRK H. S.
International Soil Congress (ISC) on "Natural Resource Management for Sustainable Development, Erzurum, Turkey, 7 - 10 June 2004
- LXXIX. **Bio restoration and erosion control devices for reinstatement of steep slope of Baku Tbilisi Ceyhan crude oil pipeline project Lot B**
ERPUL G., BAYRAMİN İ., ÖZTÜRK H. S., Evin G.
International Soil Congress on Natural Resource Management Sustainable Development, Erzurum, Turkey, 7 - 10 June 2004, vol.7
- LXXX. **Wind effects on sediment transport by raindrop impacted shallow flow a wind tunnel study**
ERPUL G., Gabriels D., Norton L.
25 Years of Assessment of Erosion. International Symposium, Ghent, Belgium, Ghent, Belgium, 22 - 26 September 2003

- LXXXI. **Wind effects on sediment transport by raindrop impacted shallow flow abstract**
ERPUL G., Gabriels D., Norton L.
COST Action 623 "Soil Erosion and Global Change", COST 623 Final Meeting and Conference, Budapest, Hungary, 5 - 08 July 2003, pp.15
- LXXXII. **Combined effect of wind and rain on erosion processes**
ERPUL G., Gabriels D., Norton L.
20th Anniversary College on Soil Physics The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, 3 - 21 March 2003
- LXXXIII. **Wind-driven rain erosion**
Erpul G., Norton L., Gabriels D.
International Workshop on Innovative Soil-Plant Systems for Sustainable Agricultural Practices, Izmir, Turkey, 3 - 07 June 2002, pp.316-327
- LXXXIV. **Wind effects on sediment transport by raindrop impacted shallow flow**
ERPUL G., Gabriels D., Norton L.
Workshop 2 of the Agro-Environment 2002 Symposium, Kahire, Egypt, 26 - 28 October 2002
- LXXXV. **The effect of wind on physical raindrop impact and rainsplash detachment**
ERPUL G., Norton L., Gabriels D.
International Symposium, Soil Erosion Patterns: Evolution, Spatio-Temporal Dynamics and Connectivity 10-12 October, 2002, Center for Agricultural Landscape and Land Use Research (ZALF), Müncheberg, Germany, 10 - 12 October 2002, pp.8
- LXXXVI. **Wind Driven Rainsplash Erosion**
ERPUL G., Norton L., Gabriels D.
Joint Meeting of the Fifth International Conference on Aeolian Research and the Global Change and Terrestrial Ecosystem-Soil Erosion Network, Texas, United States Of America, 22 - 25 July 2002, vol.2, pp.25-28
- LXXXVII. **Evaluating Long Term Data of Natural Runoff Plots for Seasonal Soil Erodibility Factor**
Özden S., ERPUL G.
Proceedings of International Conference on Sustainable Land Use and Management, Çanakkale, Turkey, 10 - 13 June 2002, pp.261-266
- LXXXVIII. **Land Degradation Problems Assessment of Sediment Transport**
Gabriels D., Schiettecatte W., Mannaerts C., ERPUL G., Biesemans J., Norton D.
Workshop on Innovative Soil-Plant Systems for Sustainable Agricultural Practices, OECD/Agriculture Cooperative Research Programme (2000-2004), 3 - 07 June 2002
- LXXXIX. **Rain Splash Detachment and Transport under Wind Driven Rain**
ERPUL G., Norton D., Gabriels D.
Proceedings of International Symposium on Desertification, Konya, Turkey, 13 June - 17 July 2000, pp.277-282

Expert Reports

- I. **Multiscale study of inter rill erosion processes Toward a betterunderstanding of complex interactions of inter rill agents**
ERPUL G.
2015

Supported Projects

Akça M. O., Deviren Saygin S., Erpul G., Arı F., TUBITAK Project, Developing a sensor-based saltation simulator for wind erosion research: The impact of biochar on crust erodibility and aggregate stability in the circular economy, 2022 - 2024
Akça M. O., Erpul G., Deviren Saygin S., TUBITAK Project, Eco-bog System Services: Economical Water, Carbon, Nutrient and Material Recycling and Stopping the Formation of Mucilage, 2021 - 2022

Deviren Saygin S., Copty N., Erpul G., Öztürk H. S., Demirel B., Saysel A. K., TÜBİTAK International Bilateral Joint Cooperation Program Project, Sürdürülebilir Sulama için Disiplinler Arası Çok Kurumlu Ağ, 2019 - 2022

Deviren Saygin S., Ari F., Ünal M. A., Erpul G., TUBITAK Project, Süreç Tabanlı Modellemede Parmak Erozyonu Toprak Duyarlılığı Parametresinin Fiziksel Olarak Belirlenmesi, 2018 - 2020

ERPUL G., Project Supported by Higher Education Institutions, Yeni tasarılanmış BEST sediment tuzağının hafif bünyeli topraklarda etkinliğinin belirlenmesi, 2011 - 2017

ERPUL G., Project Supported by Other Private Institutions, Maden İşletmesi Toprak Koruma Projesi, 2015 - 2015

ERPUL G., Project Supported by Other Private Institutions, Türk Akım Projesi ÇED, 2015 - 2015

ERPUL G., Project Supported by Other Private Institutions, Atikhisar Barajı Erozyon Risk Değerlendirme ve Kümülatif Etki Değerlendirmesi, 2015 - 2015

ERPUL G., TUBITAK Project, Havza İzleme ve Değerlendirme Sistemi nin Geliştirilmesi HİDS Projesi, 2015 - 2015

DEVİREN SAYGIN S., ERPUL G., Project Supported by Other Private Institutions, TANAP TRANS ANATOLIAN NATURAL GAS PIPELINE PROJECT Soil Erosion Assessment and Mitigation Measures, 2014 - 2015

ERPUL G., Project Supported by Other Private Institutions, Konya Kapalı Havzası Mastır Planı Kapsamında Rüzgar ve Su Erozyonu Alanlarının Belirlenmesi ve Haritalandırılması, 2014 - 2015

Metrics

Publication: 188

Citation (WoS): 3481

Citation (Scopus): 4526

H-Index (WoS): 22

H-Index (Scopus): 24

Artistic Activity

ERPUL G., TÜRKİYE SU VE RÜZGÂR EROZYONU İSTATİSTİKLERİNİN DEĞERLENDİRİLMESİ ÇALIŞTAYI, December 2018