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Education Information

Doctorate, The University Of Leeds, Department Of Mineral And Mining Engineering, Geostatistics, United Kingdom 1988 - 1994

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 1984 - 1987

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 1978 - 1982

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Nonparametric Methods for Estimating Conditional Distributions and Local Confidence Intervals, University Of Leeds, Department Of Mining And Mineral Engineering, 1993

Postgraduate, Oltu-Aşkale (Erzurum) Kömürlerinin Petrografik İncelenmesi ve Balkaya (Oltu) Bölümünün Ön Maden İşletme Etüdü, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 1987

Research Areas

Mining Engineering and Technology, Mining Operations, Open pit and underground production planning, Ore Bed Modeling, Engineering and Technology

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2003 - Continues

Associate Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 1999 - 2003

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 1995 - 1999

Lecturer PhD, Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 1994 - 1995

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Geomatik Mühendisliği Bölümü, 2011 - 2012

Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2005 - 2008
Hacettepe Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2004 - 2007

Courses

GRADUATE PROJECT I, Undergraduate, 2016 - 2017
MADENCİLİKTE SİMULASYON, Postgraduate, 2016 - 2017
KONUMSAL İSTATİSTİK, Postgraduate, 2016 - 2017
MINING ECONOMICS, Undergraduate, 2016 - 2017
GRADUATE PROJECT II, Undergraduate, 2016 - 2017
MADEN PROJELERİNİN DEĞERLENDİRİLMESİ, Postgraduate, 2016 - 2017
BÖLGESEL DEĞİŞKENLER TEORİSİ VE MADEN. UYG., Postgraduate, 2016 - 2017
JEOİSTATİSTİKSEL BENZETİM, Postgraduate, 2016 - 2017
MAD 307 EVALUATION OF ORE DEPOSITS, Undergraduate, 2016 - 2017
MAD 465 MINERAL RESOURCE ESTIMATION, Undergraduate, 2016 - 2017
MADEN DEĞERLEME, Doctorate, 2016 - 2017

Advising Theses

TERCAN A. E. , g-ROKY: Maden Kaynak Kestiriminde Homojen Ortam Modellenmesine Yönelik Yeni Bir Yöntemin Geliştirilmesi, Doctorate, H.KIVRAK(Student), 2018
TERCAN A. E. , Mihalıççık Yunusemre bölgesi Küçükşivri ve Karasivri lateritlerinde nikel kaynak kestirimi ve risk analizi, Postgraduate, R.KUŞOĞLU(Student), 2017
TERCAN A. E. , Sağırlar ve Çivili (Bursa-Orhaneli) kömür sahaları kaynak kestirimi, Postgraduate, M.AKTAN(Student), 2015
TERCAN A. E. , Kopularla maden kaynak kestirimi, Doctorate, F.ATALAY(Student), 2015
TERCAN A. E. , Bağımsız bileşenler analizi ile çok değişkenli jeoistatistiksel kestirim, Doctorate, B.SOHRABIAN(Student), 2013
TERCAN A. E. , Türkiye tersiyer kömürlerinin jeoistatistiksel olarak incelenmesi, Postgraduate, F.ATALAY(Student), 2011
TERCAN A. E. , Himmetoğlu (Bolu-Göynük) linyit sahasının jeoistatistiksel yöntemlerle değerlendirilmesi, Postgraduate, H.KIVRAK(Student), 2011
TERCAN A. E. , Eşlenik ilişki analizi ile çok değişkenli doğrusal olmayan jeoistatistiksel kestirim, Doctorate, E.AKCAN(Student), 2009
TERCAN A. E. , Bootstrap`a dayalı rezerv kestirim yöntemlerinin geliştirilmesi, Doctorate, A.KÖSE(Student), 2004

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Separation of geomagnetic anomalies in the Bashmaq area in northwestern Iran by factorial kriging**
Hasani M., Sharghi Y., TERCAN A. E.
EXPLORATION GEOPHYSICS, 2020 (Journal Indexed in SCI)
- II. **Coal resource estimation using Gaussian copula**
ATALAY F., TERCAN A. E.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.175, pp.1-9, 2017 (Journal Indexed in SCI)
- III. **Lignite resource estimations and seam modeling of Thar Field, Pakistan**
SIDDQUI F. I., PATHAN A. G., ÜNVER B., TERCAN A. E. , HİNDİSTAN M. A. , ERTUNÇ G., ATALAY F., UNAL S., KILLIOGLU Y.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.140, pp.84-96, 2015 (Journal Indexed in SCI)
- IV. **Introducing minimum spatial cross-correlation kriging as a new estimation method of heavy metal**

contents in soils

SOHRABIAN B., TERCAN A. E.

GEODERMA, vol.226, pp.317-331, 2014 (Journal Indexed in SCI)

- V. **Multivariate geostatistical simulation by minimising spatial cross-correlation**
Suhrabian B., TERCAN A. E.
COMPRES RENDUS GEOSCIENCE, vol.346, pp.64-74, 2014 (Journal Indexed in SCI)
- VI. **Seam modeling and resource estimation in the coalfields of western Anatolia**
TERCAN A. E. , ÜNVER B., HİNDİSTAN M. A. , ERTUNÇ G., ATALAY F., Unal S., Killioglu Y.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.112, pp.94-106, 2013 (Journal Indexed in SCI)
- VII. **Multivariate geostatistical simulation of coal quality data by independent components**
TERCAN A. E. , SOHRABIAN B.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.112, pp.53-66, 2013 (Journal Indexed in SCI)
- VIII. **Geostatistical estimation of coal quality variables by using covariance matching constrained kriging**
ERTUNÇ G., TERCAN A. E. , HİNDİSTAN M. A. , ÜNVER B., ÜNAL S., ATALAY F., KILLIOĞLU S. Y.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.112, pp.14-25, 2013 (Journal Indexed in SCI)
- IX. **Constrained multiple indicator kriging using sequential quadratic programming**
SOLTANI-MOHAMMADI S., TERCAN A. E.
COMPUTERS & GEOSCIENCES, vol.48, pp.211-219, 2012 (Journal Indexed in SCI)
- X. **Local spatial regression models: a comparative analysis on soil contamination**
TÜTMEZ B., KAYMAK U., TERCAN A. E.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.26, no.7, pp.1013-1023, 2012 (Journal Indexed in SCI)
- XI. **Evaluating geo-environmental variables using a clustering based areal model**
TÜTMEZ B., KAYMAK U., TERCAN A. E. , LLOYD C. D.
COMPUTERS & GEOSCIENCES, vol.43, pp.34-41, 2012 (Journal Indexed in SCI)
- XII. **A Study of nozzle angle in stone surface treatment with water jets**
ÖZÇELİK Y., TERCAN A. E. , YILMAZKAYA E., CICCURI R., COSTA G.
CONSTRUCTION AND BUILDING MATERIALS, vol.25, no.11, pp.4271-4278, 2011 (Journal Indexed in SCI)
- XIII. **Geostatistical coal quality control in longwall mining**
HİNDİSTAN M. A. , TERCAN A. E. , Uenver B.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.81, no.3, pp.139-150, 2010 (Journal Indexed in SCI)
- XIV. **An algorithm for quantifying regionalized ore grades**
TÜTMEZ B., TERCAN A. E. , KAYMAK U.
JOURNAL OF THE SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.108, no.2, pp.83-90, 2008 (Journal Indexed in SCI)
- XV. **The effects of land use changes on some soil properties in Indagi Mountain Pass - Cankiri, Turkey**
BASARAN M., ERPUL G., Tercan A. E. , CANGA M. R.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.136, pp.101-119, 2008 (Journal Indexed in SCI)
- XVI. **Fuzzy modeling for reserve estimation based on spatial variability**
TÜTMEZ B., Tercan A. E. , KAYMAK U.
MATHEMATICAL GEOLOGY, vol.39, no.1, pp.87-111, 2007 (Journal Indexed in SCI)
- XVII. **Spatial estimation of some mechanical properties of rocks by fuzzy modelling**
TÜTMEZ B., Tercan A. E.
COMPUTERS AND GEOTECHNICS, vol.34, no.1, pp.10-18, 2007 (Journal Indexed in SCI)
- XVIII. **Canonical ridge correlation of mechanical and engineering index properties**
Tercan A. E. , Ozcelik Y.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.43, no.1, pp.58-65, 2006 (Journal Indexed in SCI)
- XIX. **Correlation of serum and ascitic IL-12 levels with second-look laparotomy results and disease progression in advanced epithelial ovarian cancer patients**
Bozkurt N., Yuce K., Basaran M., Gariboglu S., Kose F., Ayhan A.

- INTERNATIONAL JOURNAL OF GYNECOLOGICAL CANCER, vol.16, no.1, pp.83-86, 2006 (Journal Indexed in SCI)
- XX. **The role of cytoreductive surgery in nongenital cancers metastatic to the ovaries**
Ayhan A., Guvenal T., Salman M., Ozyuncu O., Sakinci M., Basaran M.
GYNECOLOGIC ONCOLOGY, vol.98, no.2, pp.235-241, 2005 (Journal Indexed in SCI)
- XXI. **Clinical results of a split sample liquid-based cytology (ThinPrep) study of 4,322 patients in a Turkish institution**
Tuncer Z., Basaran M., Sezgin Y., Firat P., Kuzey G.
EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY, vol.26, no.6, pp.646-648, 2005 (Journal Indexed in SCI)
- XXII. **Global recoverable reserve estimation by covariance matching constrained kriging**
Tercan A. E.
ENERGY SOURCES, vol.26, no.12, pp.1177-1185, 2004 (Journal Indexed in SCI)
- XXIII. **Correlation of platelet count with second-look laparotomy results and disease progression in patients with advanced epithelial ovarian cancer**
Bozkurt N., Yuce K., Basaran M., Kose F., Ayhan A.
OBSTETRICS AND GYNECOLOGY, vol.103, no.1, pp.82-85, 2004 (Journal Indexed in SCI)
- XXIV. **Management of ovarian dysgerminoma during a pregnancy complicated by preeclampsia; A case report**
Guyen S., Basaran M., Usubatun A., Tuncer Z.
EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY, vol.25, no.6, pp.759-760, 2004 (Journal Indexed in SCI)
- XXV. **The ranked tile resampling in assessing accuracy for the global coal reserve estimates**
Tercan A. E.
ENERGY SOURCES, vol.25, no.2, pp.93-102, 2003 (Journal Indexed in SCI)
- XXVI. **Survival and prognostic factors in patients with synchronous ovarian and endometrial cancers and endometrial cancers metastatic to the ovaries**
Ayhan A., Guvenal T., Coskun F., Basaran M., Salman M.
EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY, vol.24, no.2, pp.171-174, 2003 (Journal Indexed in SCI)
- XXVII. **Estimation of lignite reserve in the Kalburcayiri field, Kangal basin, Sivas, Turkey**
Tercan A. E. , Karayigit A. İ.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.47, no.2, pp.91-100, 2001 (Journal Indexed in SCI)
- XXVIII. **Geostatistical evaluation of dimension-stone quarries**
Tercan A. E. , Ozcelik Y.
ENGINEERING GEOLOGY, vol.58, no.1, pp.25-33, 2000 (Journal Indexed in SCI)
- XXIX. **Importance of orthogonalization algorithm in modeling conditional distributions by orthogonal transformed indicator methods**
Tercan A. E.
MATHEMATICAL GEOLOGY, vol.31, no.2, pp.155-173, 1999 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Soma Eyzek kömür sahası için farklı bir üretim yöntemi önerisi**
ÜNVER B., HİNDİSTAN M. A. , TERCAN A. E. , ERTUNÇ G., ÜNAL M. S. , KILLIOĞLU S. Y. , ATALAY F.
Bilimsel Madencilik Dergisi, vol.56, pp.5-12, 2017 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Madencilik Faaliyetleri İzleme ve Otomasyon Sistemi**
TERCAN A. E. , ÜNVER B., HİNDİSTAN M. A. , URAL S., GAZEL S., HADİMOĞULLARI A.
Türkiye 25. Uluslararası Madencilik Kongresi ve Sergisi (IMCET 2017), 11 - 14 April 2017, pp.325-330
- II. **Modeling Spatial Uncertainty of Soil Erodibility in Different Land Uses Using Direct Sequential**

Simulation DSIM

MADENOĞLU S., ERPUL G., ATALAY F., TERCAN A. E.

Conference On Desertification and Land Degradation, 16 - 17 June 2015

- III. **Soma eynez kömür sahası için alternatif bir üretim yöntemi önerisi**
ÜNVER B., HİNDİSTAN M. A. , TERCAN A. E. , ERTUNÇ G., ÜNAL M. S. , KILLIOĞLU S. Y. , ATALAY F.
Türkiye 24. uluslararası madencilik kongresi, 14 - 17 April 2015
- IV. **A New Production Method Proposal for Soma Eynez Coal Field**
ÜNVER B., HİNDİSTAN M. A. , TERCAN A. E. , ERTUNÇ G., ÜNAL M. S. , KILLIOĞLU S. Y. , ATALAY F.
24th International Mining Congress and Exhibition of Turkey, 14 - 17 April 2015
- V. **Geostatistics As a Tool to Estimate Undiscovered Deposits of Coal**
ATALAY F., TERCAN A. E. , ERTUNÇ G.
24th INTERNATIONAL MINING CONGRESS OF TURKEY, Antalya, Turkey, 14 - 17 April 2015, pp.322-326
- VI. **An Alternative Multivariate Kriging Technique: Covariance Matching Constrained CoKriging**
ERTUNÇ G., TERCAN A. E. , ATALAY F.
24th INTERNATIONAL MINING CONGRESS OF TURKEY, Antalya, Turkey, 14 - 17 April 2015, pp.250-256
- VII. **A Geostatistical Study of Tertiary Coal Fields in Turkey**
ATALAY F., TERCAN A. E. , ÜNVER B., HİNDİSTAN M. A. , ERTUNÇ G.
15th Annual Conference of the International-Association-for-Mathematical-Geosciences (IAMG), Madrid, Spain, 2 - 06 September 2013, pp.723-726
- VIII. **Decreased serum paraoxonase activity: An additional risk factor for atherosclerotic heart disease in patients with PCOS?**
Dursun P., Demirtas E., Basaran M., Bayrak A., Yarali H.
60th Annual Meeting of the American-Society-for-Reproductive-Medicine, Pennsylvania, United States Of America, 16 - 20 October 2004, vol.82

Expert Reports

- I. **08 09 2015 tarih ve 2015 757 Talimat nolu Ankara 12 İş Mahkemesi hakimliğinin talimatıyla istenilen Soma İş mahkemesine ait 2015 249 sayılı dosyaya yönelik bilirkişi raporu**
ÖZÇELİK Y., KAHRAMAN S., TERCAN A. E.
2015

Supported Projects

- ERTUNÇ G., TERCAN A. E. , TUBITAK Project, Maden Kaynak Kestiriminde Siniflandirma Ve Regresyon Agaci Yöntemi IleHomojen Ortam Modellemesi, 2016 - Continues
- ERTUNÇ G., TERCAN A. E. , Project Supported by Higher Education Institutions, Sınıflandırma Ağaçlarının Kaynak Kestiriminde Yardımcı Araç Olarak Kullanımı, 2017 - 2017
- ATALAY F., TERCAN A. E. , Project Supported by Other Private Institutions, Çayırhan D ve G Sektörleri Tavan Formasyonlarının Fiziksel ve Mekanik Özellikleri, 2016 - 2016
- TERCAN A. E. , ATALAY F., Project Supported by Higher Education Institutions, KOPULALARLA MADEN KAYNAK KESTİRİMİ, 2015 - 2015
- TERCAN A. E. , TUBITAK Project, Çokdeğişkenli Jeostatistiksel Kestirimde Dikleştirilmiş Bileşenli Yeni Yöntemlerin Geliştirilmesi, 2012 - 2013
- TERCAN A. E. , TUBITAK Project, Madencilik Otomasyon ve Tasarım MOTAY Yazılımı Geliştirme, 2009 - 2012

Citations

Total Citations (WOS):382

h-index (WOS):12