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Eğitim Bilgileri

Doktora, University of Toronto, Faculty Of Arts And Sciences/Department Of Earth Sciences, Kanada 2004 - 2010

Yüksek Lisans, Oklahoma State University, College Of Arts And Sciences/School Of Geology, Amerika Birleşik Devletleri 2002 - 2004

Lisans, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Türkiye 1996 - 2001

Yabancı Diller

İngilizce

Yaptığı Tezler

Doktora, Surface and Crustal Response to Lithospheric Removal Processes: Insights from Numerical and Analogue Modeling , University Of Toronto, Faculty Of Arts And Sciences/Department Of Earth Sciences, 2010

Yüksek Lisans, Geometry and Tectonic Significance of Büyük Menderes Detachment in the Bascayır area, Büyük Menderes Graben, Western Turkey, Oklahoma State University, College Of Arts And Sciences/School Of Geology, 2004

Araştırma Alanları

Teknik Bilimler, Jeofizik Mühendisliği, Yer Fiziği, Jeoloji Mühendisliği , Genel Jeoloji, Tektonik (Paleotektonik, Neotektonik, Sismotektonik)

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri, 2016 - Devam Ediyor

Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri, 2014 - 2016

Araştırma Görevlisi, Çanakkale Onsekiz Mart Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2002 - 2013

Yönetilen Tezler

- Göğüş O. H., Modeling the Structural Evolution of the Detachment Faults at Western Anatolia Back Arc System, Yüksek Lisans, Ö.BODUR(Öğrenci), 2019
- Göğüş O. H., Mobile Cratons, Subcretion Tectonics and Formation of TTGs, Yüksek Lisans, U.ÇETİNER(Öğrenci), 2019
- Göğüş O. H., SUBDUCTION ROLL BACK AND THE GENERATION OF WET AND DECOMPRESSION MELTING, Yüksek Lisans, M.BARIŞ(Öğrenci), 2019
- Göğüş O. H., Eclogite Induced Deformation of the Siberian Craton, Yüksek Lisans, A.BALLI(Öğrenci), 2019
- Göğüş O. H., Dynamic modelling of back-arc extension in the Aegean sea and Western Anatolia, Yüksek Lisans, Z.MAZLUM(Öğrenci), 2016
- Göğüş O. H., Geodynamic modeling the styles of lithospheric delamination with application to the Eastern Anatolia, Yüksek Lisans, Ö.CANER(Öğrenci), 2016
- Göğüş O. H., Numerical modelling of exhumation of high pressure - low temperature metamorphic rocks: A case study of Tavşanlı and Afyon zone in western anatolia, Yüksek Lisans, Ö.FARUK(Öğrenci), 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Syn-Drift Plate Tectonics**
Gün E., Pysklywec R. N., Topuz G., Oğuz H. G., Heron P. J.
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- II. **Crustal flow driving twin domes exhumation and low-angle normal faulting in the Menderes Massif of western Anatolia**
Bodur Ö., Göğüş O. H., Brune S., Uluocak E. Ş., Glerum A., Fichtner A., Sözbilir H.
EARTH AND PLANETARY SCIENCE LETTERS, cilt.1, sa.1, ss.1-2, 2023 (SCI-Expanded)
- III. **The Atlas of Morocco: A Plume-Assisted Orogeny**
Lanari R., Faccenna C., Natali C., ŞENGÜL ULUOCAK E., Fellin M., Becker T., Göğüş O. H., Youbi N., Clementucci R., Conticelli S.
Geochemistry, Geophysics, Geosystems, cilt.24, sa.6, 2023 (SCI-Expanded)
- IV. **Symptomatic lithospheric drips triggering fast topographic rise and crustal deformation in the Central Andes**
Andersen J., Göğüş O. H., Pysklywec R. N., Santimano T., Şengül Uluocak E.
COMMUNICATIONS EARTH & ENVIRONMENT, cilt.3, sa.1, 2022 (SCI-Expanded)
- V. **Terrane geodynamics: Evolution on the subduction conveyor from pre-collision to post-collision and implications on Tethyan orogeny**
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Gondwana Research, cilt.105, ss.399-415, 2022 (SCI-Expanded)
- VI. **Rapid surface uplift and crustal flow in the Central Andes (southern Peru) controlled by lithospheric drip dynamics**
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- VII. **Geodynamic experiments suggest that mantle plume caused Late Permian Emeishan Large Igneous Province in Southern China**
Göğüş O. H.
International Geology Review, cilt.64, sa.3, ss.375-389, 2022 (SCI-Expanded)
- VIII. **Geodynamics of East Anatolia-Caucasus Domain: Inferences From 3D Thermo-Mechanical Models, Residual Topography, and Admittance Function Analyses**
Uluocak E. S., Göğüş O. H., Pysklywec R. N., Chen B.
TECTONICS, cilt.40, sa.12, 2021 (SCI-Expanded)
- IX. **Pre-collisional extension of microcontinental terranes by a subduction pulley**
Gun E., Pysklywec R. N., Göğüş O. H., Topuz G.
NATURE GEOSCIENCE, cilt.14, sa.6, ss.443-453, 2021 (SCI-Expanded)

- X. **Long Wavelength Progressive Plateau Uplift in Eastern Anatolia Since 20 Ma: Implications for the Role of Slab Peel-Back and Break-Off**
Memiş C., Göğüş O. H., Şengül Uluocak E., Pysklywec R., Keskin M., Şengör A. M. C., Topuz G.
Geochemistry Geophysics Geosystems, cilt.21, ss.1-24, 2020 (SCI-Expanded)
- XI. **Multidimensional Geodynamic Modeling in the Southeast Carpathians: Upper Mantle Flow-Induced Surface Topography Anomalies**
Sengul-Uluocak E., Pysklywec R. N., Gogus O. H., Ulugergerli E. U.
GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS, cilt.20, sa.7, ss.3134-3149, 2019 (SCI-Expanded)
- XII. **A global framework for the Earth: putting geological sciences in context**
de Vries B. v. W., Byrne P., Delcamp A., Einarson P., Gogus O. H., Guilbaud M., Hagos M., Harangi S., Jerram D., Matenco L., et al.
GLOBAL AND PLANETARY CHANGE, cilt.171, ss.293-321, 2018 (SCI-Expanded)
- XIII. **Peeling back the lithosphere: Controlling parameters, surface expressions and the future directions in delamination modeling**
Göğüş O. H., UEDA K.
JOURNAL OF GEODYNAMICS, cilt.117, ss.21-40, 2018 (SCI-Expanded)
- XIV. **Mantle Lithosphere Rheology, Vertical Tectonics, and the Exhumation of (U)HP Rocks**
Bodur O. F., Göğüş O. H., Pysklywec R. N., Okay A.
JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, cilt.123, sa.2, ss.1824-1839, 2018 (SCI-Expanded)
- XV. **Drip tectonics and the enigmatic uplift of the Central Anatolian Plateau**
Göğüş O. H., Pysklywec R. N., Şengör A. M. C., GUN E.
NATURE COMMUNICATIONS, cilt.8, 2017 (SCI-Expanded)
- XVI. **Present-day dynamic and residual topography in Central Anatolia**
Uluocak E. S., Pysklywec R., Göğüş O. H.
GEOPHYSICAL JOURNAL INTERNATIONAL, cilt.206, sa.3, ss.1515-1525, 2016 (SCI-Expanded)
- XVII. **Postcollisional lithospheric evolution of the Southeast Carpathians: Comparison of geodynamical models and observations**
Göğüş O. H., Pysklywec R. N., FACCENNA C.
TECTONICS, cilt.35, sa.5, ss.1205-1224, 2016 (SCI-Expanded)
- XVIII. **Rifting and subsidence following lithospheric removal in continental back arcs**
Gogus O. H.
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- XIX. **Mantle flow uplift of western Anatolia and the Aegean: Interpretations from geophysical analyses and geodynamic modeling**
KOMUT T., Gray R., Pysklywec R., Gogus O. H.
JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, cilt.117, 2012 (SCI-Expanded)
- XX. **The surface tectonics of mantle lithosphere delamination following ocean lithosphere subduction: Insights from physical-scaled analogue experiments**
Gogus O. H., Pysklywec R. N., CORBI F., FACCENNA C.
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- XXI. **Insights from geodynamical modeling on possible fates of continental mantle lithosphere: collision, removal, and overturn**
Pysklywec R. N., Gogus O. H., PERCIVAL J., Cruden A. R., Beaumont C.
CANADIAN JOURNAL OF EARTH SCIENCES, cilt.47, sa.4, ss.541-563, 2010 (SCI-Expanded)
- XXII. **Near-surface diagnostics of dripping or delaminating lithosphere**
Gogus O. H., Pysklywec R. N.
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- XXIII. **Mantle lithosphere delamination driving plateau uplift and synconvergent extension in eastern Anatolia**
Gogus O. H., Pysklywec R. N.
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Diğer Dergilerde Yayınlanan Makaleler

I. Geodynamical Models for Continental Delamination and Ocean Lithosphere Peel Away in an Orogenic Setting

Göğüş O. H., Pysklywec R. N., Faccenna C.

ACTIVE GLOBAL SEISMOLOGY: NEOTECTONICS AND EARTHQUAKE POTENTIAL OF THE EASTERN MEDITERRANEAN REGION, cilt.225, ss.121-139, 2017 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. Geodynamical Models for Continental Delamination and Ocean Lithosphere Peel Away in an Orogenic Setting

Göğüş O. H., Pysklywec R., Faccenna C.

Neotectonics and-Earthquake Potential of-the-Eastern Mediterranean Region,: Neotectonics and-Earthquake Potential of-the-Eastern Mediterranean Region, Geophysical Monograph 225, İbrahim Çemen, Yücel Yılmaz, Editör, American Geophysical Union, Washington, D.C, ss.121-139, 2017

II. Postcollisional extensional tectonics and exhumation of the Menderes massif in the Western Anatolia extended terrane, Turkey

Çemen İ., Catlos E., Göğüş O. H., Özerdem C.

Postcollisional Tectonics and Magmatism in the Mediterranean Region and Asia, Dilek Y, Pavlides S, Editör, Geological Society Of America, Boulder, Colorado, ss.353-379, 2006

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Extensional Deformation in the Pacific Oceanic Plateaux

Gün E., Pysklywec R., Topuz G., Göğüş O. H., Heron P.

AGU, California, Amerika Birleşik Devletleri, 12 - 16 Aralık 2022, ss.1-2

II. Effect of crustal flow on bivergent metamorphic core complex exhumation and detachment faulting in western Anatolia

Bodur Ö., Göğüş O. H., Brune S., Şengül Uluocak E., Glerum A., Fichtner A., Sözbilir H.

AGU, California, Amerika Birleşik Devletleri, 12 - 16 Aralık 2022, ss.1-2

III. Quantifying observed surface topography anomalies with the mantle flow in the Southeast Carpathians

ŞENGÜL ULUOCAK E., PYSKLYWEC R. N., GÖĞÜŞ O. H., ULUGERGERLİ E. U.

. 20th Anniversary of the 1999 Marmara Earthquakes: 23rd Active Tectonics Research Group Meeting, İstanbul, Türkiye, 15 - 18 Ekim 2019, ss.152

IV. The Integrated Analysis of Upper-Mantle Induced Anomalies Topography in Anatolia

ŞENGÜL ULUOCAK E., PYSKLYWEC R., GÖĞÜŞ O. H.

EGU, Viyana, Avusturya, 7 - 12 Nisan 2019, cilt.21

V. Multidimensional mantle convection models in Eastern Anatolia, the North Arabian Platform and the Caucasus region.

ŞENGÜL ULUOCAK E., SHAHNAS H., PYSKLYWEC R., GÖĞÜŞ O. H., EKEN T.

American Geophysical Union (AGU), 11 - 15 Aralık 2017

VI. Multidimensional Mantle Convection Models in Eastern Anatolia, the North Arabian Platform, and Caucasus Region

Sengul Uluocak E., Shahnas H., Pysklywec R., GÖĞÜŞ O. H., EKEN T.

AGU Fall Meeting, Amerika Birleşik Devletleri, 11 - 15 Aralık 2017

VII. A Numerical Approach to the Accretion of Micro-Continental Blocks and Subsequent Subduction Initiation

Gün E., GÖĞÜŞ O. H., Pysklywec R., TOPUZ G., Bodur Ö. F.

AGU Fall Meeting 2017, 11 - 15 Aralık 2017

- VIII. **Mediterranean Magmatism: Bimodal melting patterns inferred by numerical models**
GÖĞÜŞ O. H., UEDA K., GERYA T.
American Geophysical Union, 11 Aralık 2017
- IX. **Magmatism by delamination: Bimodal melting patterns inferred by numerical models.**
GÖĞÜŞ O. H., UEDA K., GERYA T.
XV International Workshop on Modelling of Mantle and Lithosphere Dynamics, 27 - 31 Ağustos 2017
- X. **Magmatism in Lithosphere Delamination process inferred from numerical models.**
GÖĞÜŞ O. H., UEDA K., GERYA T.
EGU (European Geoscience Union), 23 - 28 Nisan 2017
- XI. **Drip Tectonics and the uplift of Central Anatolia**
GÖĞÜŞ O. H., PYSKLYWEC R., ŞENGÖR A. M. C., GÜN E.
American Geophysical Union, 12 - 17 Aralık 2016
- XII. **Geodynamical factors controlling the Plateau Uplift in the Eastern Anatolia Lesser Caucasus**
MEMİŞ C., GÖĞÜŞ O. H., PYSKLYWEC R., TOPUZ G., ŞENGÖR A. M. C., ŞENGÜL ULUOCAK E., KESKİN M.
American Geophysical Union, 12 - 17 Aralık 2016
- XIII. **Mantle Lithosphere Rheology and Vertical Tectonics Driving Burial and Exhumation of Crustal Rocks**
BODUR O. F., GÖĞÜŞ O. H., PYSKLYWEC R., OKAY A.
American Geophysical Union, 12 - 16 Aralık 2016
- XIV. **A comparison between north central Apennines and southeastern Carpathians in terms of present day geodynamic features**
ŞENGÜL ULUOCAK E., PYSKLYWEC R., GÖĞÜŞ O. H.
American Geophysical Union, 12 - 17 Aralık 2016
- XV. **Geodynamical Factors Controlling the Plateau Uplift in the Eastern Anatolia Lesser Caucasus ID 190342**
MEMİŞ C., GÖĞÜŞ O. H., Pysklywec R., TOPUZ G., ŞENGÖR A. M. C., ŞENGÜL ULUOCAK E., KESKİN M.
AGU Fall Meeting, Session: T51A: Making the Mediterranean: From Mantle to Surface Processes, San-Francisco, Kostarika, 12 - 16 Aralık 2016, ss.190342
- XVI. **Geodynamic Evolution of Anatolia Inferred from Geodynamic Modeling**
GÖĞÜŞ O. H.
FaultLab workshop, 14 - 16 Haziran 2016
- XVII. **Geodynamic evolution of the lithosphere beneath the Eastern Anatolia region Constraints from geodynamic modeling**
Memiş C., GÖĞÜŞ O. H., Pysklywec R., KESKİN M., ŞENGÖR A. M. C., TOPUZ G.
European Geosciences Union General Assembly 2016, Viyana, Avusturya, 17 - 22 Nisan 2016, cilt.18, ss.910
- XVIII. **Upper mantle driven Dynamic Topography in Central Anatolia**
ŞENGÜL ULUOCAK E., PYSKLYWEC R., GÖĞÜŞ O. H.
European Geoscience Union, 17 Nisan 2016
- XIX. **Geodynamic Models for Various Styles of Melting in the Lithosphere Delamination Process**
GÖĞÜŞ O. H., UEDA K., GERYA T., ERKAN G.
European Geoscience Union, 17 - 22 Nisan 2016
- XX. **Neotectonic Evolution of Anatolia**
GÖĞÜŞ O. H., MEMİŞ C., ERKAN G., ÖMER FARUK B., ZİYA M.
Humboldt Kolleg 2016, 10 - 12 Mart 2016
- XXI. **Present Day Dynamic Topography in Eastern Anatolia**
ŞENGÜL ULUOCAK E., PYSKLYWEC R., EKEN T., GÖĞÜŞ O. H.
Humboldt Kolleg, 10 - 12 Mart 2016
- XXII. **The Role of Lithospheric Removal in Geodynamic Evolution of the Mediterranean**
GÖĞÜŞ O. H.
Humboldt Kolleg 2016, 10 - 12 Mart 2016

- XXIII. **Upper mantle flow driven Dynamic Topography in Eastern Anatolia**
ŞENGÜL ULUOCAK E., Pysklywec R., EKEN T., GÖĞÜŞ O. H.
European Geoscience Union, 17 - 22 Nisan 2016
- XXIV. **Geodynamic models for the post orogenic exhumation of the lower crust**
ÖMER B., GÖĞÜŞ O. H., KARABULUT H., ROBERT P., OKAY A.
AMERICAN GEOPHYSICAL UNION 2015 FALL MEETING, SAN FRANCISCO ABD, 14 - 18 Aralık 2015
- XXV. **Modeling the evolution of lithospheric delamination under the Eastern Anatolia by testing various rheological and compositional properties**
OMER CANER M., GÖĞÜŞ O. H., KESKİN M., CELAL S., RUSSELL P., TOPUZ G.
American Geophysical Union, San-Francisco, Kostarika, 14 - 18 Aralık 2015
- XXVI. **Transient Surface Tectonics Controlled by the Convective Thinning of the Lithosphere Geodynamic Modeling perspective**
OMER FARUK B., GÖĞÜŞ O. H., KARABULUT H., PYSKLYWEC R., OKAY A.
American Geophysical Union General Assembly, Amerika Birleşik Devletleri, 14 - 18 Aralık 2015
- XXVII. **The Eastern Anatolia Plateau Uplift in Response to Mantle Upwelling Comparison of Geodynamic Models and Observations**
CANER M., GÖĞÜŞ O. H., KESKİN M.
Doğu Anadolu Jeoloji Sempozyumu, VAN, Van, Türkiye, 7 - 11 Eylül 2015, ss.7-11
- XXVIII. **Dynamic Modeling of Back arc extension in the Aegean sea and western Anatolia**
ZIYA M., GÖĞÜŞ O. H., SOZBILIR H., KARABULUT H., RUSSELL P.
European Geosciences Union General Assembly, Avusturya, 12 - 17 Nisan 2015
- XXIX. **Surface and crustal expression of ocean subduction retreat vs delamination sub crustal retreat Implications for the Apennines tectonics EGU Annual meeting**
GÖĞÜŞ O. H., CLAUDIO C., RUSSELL P., CLAUDIO F., LAURENT H.
European Geoscience Union, Viyana, 12 - 14 Nisan 2015
- XXX. **Geodynamic Mechanisms of plateau uplift and strain distribution in Eastern Anatolia**
CANER M., GÖĞÜŞ O. H., Russell N P., KARABULUT H., KESKİN M.
EGU General Assembly 2015, Viyana, Avusturya, 12 - 17 Nisan 2015, ss.6846
- XXXI. **Postcollisional extensional tectonics and exhumation of the Menderes massif in the Western Anatolia extended terrane, Turkey**
Cemen I., Catlos E. J., Goegues O. H., Oezerdem C.
4th International Symposium on Eastern Mediterranean Geology, Thessaloniki, Yunanistan, 01 Nisan 2004, cilt.409, ss.353-379

Desteklenen Projeler

- Şen Ö. L., Özcan O., Göğüş O. H., Akay S. S., Yükseköğretim Kurumları Destekli Proje, Topoğrafyanın Artzamanlı İzlenmesi ve Modellenmesinde Yeni Teknikler Büyük Menderes Nehrindeki menderes yapıların hacimsel değişiminin İHA tabanlı modellenmesi ve ekstrem olayların etkisi, 2017 - 2020
- Göğüş O. H., Yükseköğretim Kurumları Destekli Proje, 3 boyutlu levha modelleri yardımıyla Orta Anadolu'daki topoğrafik yükselme ve volkanizmanın araştırılması, 2018 - 2019
- Göğüş O. H., Yükseköğretim Kurumları Destekli Proje, Litosfer sıyrılması/yitimi sırasında gelişen farklı türdeki eriyiklerin jeodinamik modelleme çalışmaları, 2016 - 2018
- Göğüş O. H., Yükseköğretim Kurumları Destekli Proje, Surface And Crustal Expression Of Ocean Subduction Retreat vs. Delamination (Sub-Crustal), 2015 - 2018
- Göğüş O. H., Yükseköğretim Kurumları Destekli Proje, Levha Tektoniği, Manto Konveksiyonu ve Wilson Döngüsünün Jeolojik Veriler Yardımıyla İlişkilendirilmesi, 2014 - 2018
- Göğüş O. H., Yükseköğretim Kurumları Destekli Proje, Rifting, Subsidence and Anomalous Topography Following the Lithospheric Removal in the Western Anatolia-Aegean Sea Back-Arc, 2014 - 2018
- Göğüş O. H., TÜBİTAK Projesi, DOĞ U VE BATI ANADOLU LI TOSFERLERI NI N JEODINAMI K EVRI MI NI ORTAYA

KOYMAYA YO NELI K SAYISAL MODELLEME PROJESİ, 2013 - 2016

Bilimsel Dergilerdeki Faaliyetler

Tectonics, Yardımcı Editör/Bölüm Editörü, 2016 - Devam Ediyor

Metrikler

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