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Personal Information

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Education Information

Doctorate, University Of Toronto, Faculty Of Arts And Sciences/Department Of Earth Sciences, Canada 2004 - 2010

Post Graduate, Oklahoma State University, College Of Arts And Sciences/School Of Geology, United States Of America
2002 - 2004

Under Graduate, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 1996 - 2001

Foreign Languages

English

Dissertations

Doctorate, 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

Post Graduate, 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

Research Areas

Technical Sciences, Geophysical Engineering, Ground Physics, Geological Engineering, General Geology, Tectonics (Paleotectonics, Neotectonics, Seismotectonics)

Academic Titles / Tasks

Associate Professor, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri Anabilim Dalı, 2015 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri Anabilim Dalı, 2013 - Continues

Research Assistant, Çanakkale Onsekiz Mart Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2002 - 2013

Advising Theses

Göğüş O. H. , Mobile Cratons, Subcretion Tectonics and Formation of TTGs, Post Graduate, U.ÇETİNER(Student), 2019

Göğüş O. H. , Eclogite Induced Deformation of the Siberian Craton, Post Graduate, A.BALLI(Student), 2019
Göğüş O. H. , Modeling the Structural Evolution of the Detachment Faults at Western Anatolia Back Arc System, Post Graduate, Ö.BODUR(Student), 2019
Göğüş O. H. , SUBDUCTION ROLL BACK AND THE GENERATION OF WET AND DECOMPRESSION MELTING, Post Graduate, M.BARIŞ(Student), 2019
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, Post Graduate, Ö.FARUK(Student), 2016
Göğüş O. H. , Dynamic modelling of back-arc extension in the Aegean sea and Western Anatolia, Post Graduate, Z.MAZLUM(Student), 2016
Göğüş O. H. , Geodynamic modeling the styles of lithospheric delamination with application to the Eastern Anatolia, Post Graduate, Ö.CANER(Student), 2016

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

- I. **Long Wavelength Progressive Plateau Uplift in Eastern Anatolia Since 20 Ma: Implications for the Role of Slab Peel-Back and Break-Off**
Göğüş O. H. , Memiş C., Şengül Uluocak E., Pysklywec R., Keskin M., Şengör A. M. C. , Topuz G.
Geochemistry Geophysics Geosystems, vol.21, pp.1-24, 2020 (Journal Indexed in SCI)
- II. **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, vol.20, pp.3134-3149, 2019 (Journal Indexed in SCI)
- III. **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, vol.171, pp.293-321, 2018 (Journal Indexed in SCI)
- IV. **Peeling back the lithosphere: Controlling parameters, surface expressions and the future directions in delamination modeling**
Göğüş O. H. , UEDA K.
JOURNAL OF GEODYNAMICS, vol.117, pp.21-40, 2018 (Journal Indexed in SCI)
- V. **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, vol.123, pp.1824-1839, 2018 (Journal Indexed in SCI)
- VI. **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, vol.8, 2017 (Journal Indexed in SCI)
- VII. **Present-day dynamic and residual topography in Central Anatolia**
Uluocak E. S. , Pysklywec R., Göğüş O. H.
GEOPHYSICAL JOURNAL INTERNATIONAL, vol.206, pp.1515-1525, 2016 (Journal Indexed in SCI)
- VIII. **Postcollisional lithospheric evolution of the Southeast Carpathians: Comparison of geodynamical models and observations**
Göğüş O. H. , Pysklywec R. N. , FACCENNA C.
TECTONICS, vol.35, pp.1205-1224, 2016 (Journal Indexed in SCI)
- IX. **Rifting and subsidence following lithospheric removal in continental back arcs**
Gogus O. H.
GEOLOGY, vol.43, pp.3-6, 2015 (Journal Indexed in SCI)
- X. **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, vol.117, 2012 (Journal Indexed in SCI)

- XI. **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.
 GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS, vol.12, 2011 (Journal Indexed in SCI)
- XII. **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, vol.47, pp.541-563, 2010 (Journal Indexed in SCI)
- XIII. **Near-surface diagnostics of dripping or delaminating lithosphere**
 Gogus O. H. , Pysklywec R. N.
 JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, vol.113, 2008 (Journal Indexed in SCI)
- XIV. **Mantle lithosphere delamination driving plateau uplift and synconvergent extension in eastern Anatolia**
 Gogus O. H. , Pysklywec R. N.
 GEOLOGY, vol.36, pp.723-726, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- 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, vol.225, pp.121-139, 2017 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Geodynamical Models for Continental Delamination and Ocean Lithosphere Peel Away in an Orogenic Setting**
 Göğüş O. H. , Pysklywec R., Faccenna C.
 in: 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, Editor, American Geophysical Union, Washington, D.C, pp.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.
 in: Postcollisional Tectonics and Magmatism in the Mediterranean Region and Asia, Dilek Y, Pavlides S, Editor, Geological Society Of America, Boulder, Colorado, pp.353-379, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. **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 December 2015
- II. **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, Greece, 01 April 2004, vol.409, pp.353-379

Supported Projects

Şen Ö. L. , Özcan O. , Göğüş O. H. , Akay S. S. , Project Supported by Higher Education Institutions, 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. , Project Supported by Higher Education Institutions, 3 boyutlu levha modelleri yardımıyla Orta Anadolu'daki topoğrafik yükselme ve volkanizmanın araştırılması, 2018 - 2019

Göğüş O. H. , Project Supported by Higher Education Institutions, Litosfer sıyrılmas/yitimi sırasında gelişen farklı türdeki eriyiklerin jeodinamik modelleme çalışmaları, 2016 - 2018

Göğüş O. H. , Project Supported by Higher Education Institutions, Surface And Crustal Expression Of Ocean Subduction Retreat vs. Delamination (Sub-Crustal), 2015 - 2018

Göğüş O. H. , Project Supported by Higher Education Institutions, Levha Tektoniği, Manto Konveksiyonu ve Wilson Döngüsünün Jeolojik Veriler Yardımıyla İlişkilendirilmesi, 2014 - 2018

Göğüş O. H. , Project Supported by Higher Education Institutions, Rifting, Subsidence and Anomalous Topography Following the Lithospheric Removal in the Western Anatolia-Aegean Sea Back-Arc, 2014 - 2018

Göğüş O. H. , TUBITAK Project, DOĞ U VE BATI ANADOLU LI TOSFERLERI NI N JEODINAMI K EVRI MI NI ORTAYA KOYMAYA YO NELI K SAYISAL MODELLEME PROJESI, 2013 - 2016

Activities in Scientific Journals

Tectonics, Assistant Editor, 2016 - Continues

Citations

Total Citations (WOS):468

h-index (WOS):10