

Prof. FUAT BORA ROJAY

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-7032-2020

ScopusID: 6507288631

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey 1985 - 1993

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey 1982 - 1985

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, Turkey 1977 - 1982

Dissertations

Doctorate, Tectonostratigraphy and neotectonic characteristics of the southern margin of Merzifon-Suluova basin (central pontides, Amasya), Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1993

Postgraduate, Tectonostratigraphic characteristics of the Kelkit valley subzone of the North Anatolian Fault Zone, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1985

Research Areas

Areal Geology (general, maps and charts), Stratigraphy, Tectonics (Paleotectonics, Neotectonics, Seismotectonics), Structural Geology, Geology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2013 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2001 - 2013

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1997 - 2001

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1993 - 1997

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1983 - 1993

Advising Theses

ROJAY F. B., Morphotectonic analysis and kinematic evolution of the Central Gediz Alaşehir graben, Western Anatolia, Turkey, Postgraduate, T.Dönmezoğulları(Student), 2019

ROJAY F. B., Post miocene tectonic of çeltikçi graben, southern margin of galatian volcanic province, Central Anatolia, Postgraduate, U.Berberoğlu(Student), 2019

Süzen M. L., Rojay F. B., Geometry, kinematics and activity of the fault zone among Ankara-Çankırı, Postgraduate, F.MELİS(Student), 2019

ROJAY F. B., Post-paleogene stress distribution in the Bartın-Ulus-Safranbolu basins, western pontides, Turkey, Postgraduate, E.BENGÜ(Student), 2017

ROJAY F. B., Post-paleocene deformation in Kalecik region, East of Ankara, Turkey, Postgraduate, P.Kasımoğlu(Student), 2010

ROJAY F. B., Post-paleogene deformation in northernmost tip of Tuzgolu fault zone (Pasadag, South of Ankara), Turkey, Postgraduate, G.Dilara(Student), 2009

ROJAY F. B., Post-miocene tectonic evolution of Alidağ anticline, Adiyaman, Turkey, Postgraduate, E.Seyrek(Student), 2008

ROJAY F. B., Post miocene deformation of the area between Alibey (Kızılcahamam) and Karalar (Kazan) villages, nw Ankara (Turkey), Postgraduate, A.Karaca(Student), 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Breaking plates: Creation of the East Anatolian fault, the Anatolian plate, and a tectonic escape system**
Whitney D. L., Delph J. R., Thomson S. N., Beck S. L., Brocard G. Y., Cosca M. A., Darin M. H., KAYMAKCI N., Meijers M. J. M., Okay A., et al.
GEOLOGY, vol.51, pp.673-677, 2023 (SCI-Expanded)
- II. **Age and mantle sources of Quaternary basalts associated with "leaky" transform faults of the migrating Anatolia-Arabia-Africa triple junction**
Cosca M. A., Reid M., Delphi J. R., Kuşcu G., Blichert-Toft J., Premo W., Whitney D. L., Teyssier C., Rojay F. B.
GEOSPHERE, vol.17, no.1, pp.69-94, 2021 (SCI-Expanded)
- III. **Tectonic geomorphology and Plio-Quaternary structural evolution of the Tuzgolu fault zone, Turkey: Implications for deformation in the interior of the Central Anatolian Plateau**
Krystopowicz N. J., Schoenbohm L. M., Rimando J., Brocard G., Rojay B.
GEOSPHERE, vol.16, no.5, pp.1107-1124, 2020 (SCI-Expanded)
- IV. **Early Miocene insectivores of Gokler (Kazan Basin, Central Anatolia, Turkey)**
Ostende L. W. v. d. H., Joniak P., Rojay B., Aten C., Bilgin M., Pelaez-Campomanes P.
PALAEOBIODIVERSITY AND PALAEOENVIRONMENTS, vol.99, no.4, pp.701-722, 2019 (SCI-Expanded)
- V. **Early Miocene rodents of Gokler (Kazan Basin, Central Anatolia, Turkey)**
Joniak P., Pelaez-Campomanes P., Ostende L. W. V. D. H., Rojay B.
HISTORICAL BIOLOGY, vol.31, no.8, pp.982-1007, 2019 (SCI-Expanded)
- VI. **A new early Pliocene locality Tepe Alagoz (Turkey) reveals a distinctive tooth phenotype of Trischizolagus (Lagomorpha, Leporidae) in Asia Minor**
Cermak S., Joniak P., Rojay B.
PALAEOONTOLOGIA ELECTRONICA, vol.22, no.1, 2019 (SCI-Expanded)

- VII. **Noble gases and rock geochemistry of alkaline intraplate volcanics from the Amik and Ceyhan-Osmaniye areas, SE Turkey**
 Italiano F., YÜCE G., Di Bella M., Rojay B., Sabatino G., Tripodo A., Martelli M., Rizzo A. L., Misseri M.
 CHEMICAL GEOLOGY, vol.469, pp.34-46, 2017 (SCI-Expanded)
- VIII. **Origin and interactions of fluids circulating over the Amik Basin (Hatay, Turkey) and relationships with the hydrologic, geologic and tectonic settings**
 YÜCE G., Italiano F., D'Alessandro W., Yalcin T. H., YASİN D., Gulbay A. H., ÖZYURT N. N., Rojay B., KARABACAK V., Bellomo S., et al.
 CHEMICAL GEOLOGY, vol.388, pp.23-39, 2014 (SCI-Expanded)
- IX. **Tectonic evolution of the Cretaceous Ankara Ophiolitic Melange during the Late Cretaceous to pre-Miocene interval in Central Anatolia, Turkey**
 ROJAY F. B.
 JOURNAL OF GEODYNAMICS, vol.65, pp.66-81, 2013 (SCI-Expanded)
- X. **THE IMPACT OF TOPOGRAPHY ON ISOTOPES IN PRECIPITATION ACROSS THE CENTRAL ANATOLIAN PLATEAU (TURKEY)**
 Schemmel F., Mikes T., ROJAY F. B., Mulch A.
 AMERICAN JOURNAL OF SCIENCE, vol.313, no.2, pp.61-80, 2013 (SCI-Expanded)
- XI. **Stable isotope-based reconstruction of Oligo-Miocene paleoenvironment and paleohydrology of Central Anatolian lake basins (Turkey)**
 Luedecke T., Mikes T., ROJAY F. B., Cosca M. A., Mulch A.
 TURKISH JOURNAL OF EARTH SCIENCES, vol.22, no.5, pp.793-819, 2013 (SCI-Expanded)
- XII. **Plio-Quaternary extensional tectonics of the Central Anatolian Plateau: a case study from the Tuz Golu Basin, Turkey**
 ÖZSAYIN E., Ciner T. A., ROJAY F. B., DİRİK R. K., Melnick D., Fernandez-Blanco D., Bertotti G., Schildgen T. F., Garcin Y., Strecker M. R., et al.
 TURKISH JOURNAL OF EARTH SCIENCES, vol.22, no.5, pp.691-714, 2013 (SCI-Expanded)
- XIII. **Paleomagnetic rotations in the Late Miocene sequence from the Cankiri Basin (Central Anatolia, Turkey): the role of strike-slip tectonics**
 Lucifora S., Cifelli F., ROJAY F. B., Mattei M.
 TURKISH JOURNAL OF EARTH SCIENCES, vol.22, no.5, pp.778-792, 2013 (SCI-Expanded)
- XIV. **Palaeoenvironmental and chronological constraints on the Tuglu Formation (Cankiri Basin, Central Anatolia, Turkey)**
 Mazzini I., Hudackova N., Joniak P., Kovacova M., Mikes T., Mulch A., ROJAY F. B., Lucifora S., Esu D., Soulie-Maersche I.
 TURKISH JOURNAL OF EARTH SCIENCES, vol.22, no.5, pp.747-777, 2013 (SCI-Expanded)
- XV. **An Active Composite Pull-apart Basin Within the Central Part of the North Anatolian Fault System: the Merzifon-Suluova Basin, Turkey**
 ROJAY F. B., Kocyigit A.
 TURKISH JOURNAL OF EARTH SCIENCES, vol.21, no.4, pp.473-496, 2012 (SCI-Expanded)
- XVI. **Surface expression of eastern Mediterranean slab dynamics: Neogene topographic and structural evolution of the southwest margin of the Central Anatolian Plateau, Turkey**
 Schildgen T. F., Cosentino D., Caruso A., Buchwaldt R., Yildirim C., Bowring S. A., Rojay B., Echtler H., Strecker M. R.
 TECTONICS, vol.31, 2012 (SCI-Expanded)
- XVII. **Structure and geochemistry of an Alaskan-type ultramafic-mafic complex in the Eastern Pontides, NE Turkey**
 Eyuboglu Y., Dilek Y., BOZKURT E., Bektas O., Rojay B., ŞEN C.
 GONDWANA RESEARCH, vol.18, no.1, pp.230-252, 2010 (SCI-Expanded)
- XVIII. **Age and Chemistry of Miocene Volcanic Rocks from the Kiraz Basin of the Kucuk Menderes Graben: Its Significance for the Extensional Tectonics of Southwestern Anatolia, Turkey'**
 BOZKURT E., Winchester J. A., Ruffet G., Rojay B.
 GEODINAMICA ACTA, vol.21, pp.239-257, 2008 (SCI-Expanded)

- XIX. **Post-Miocene Deformation in the South of the Galatean Volcanic Province, NW of Central Anatolia (Turkey)**
ROJAY F. B., Karaca A.
TURKISH JOURNAL OF EARTH SCIENCES, vol.17, no.4, pp.653-672, 2008 (SCI-Expanded)
- XX. **High-altitude Plio-Quaternary fluvial deposits and their implication on the tilt of a horst, western Anatolia, Turkey**
Suzen M. L., TOPRAK V., Rojay B.
GEOMORPHOLOGY, vol.74, pp.80-99, 2006 (SCI-Expanded)
- XXI. **Plio-quaternary evolution of the Kucuk Menderes Graben southwestern Anatolia, Turkey**
Rojay B., TOPRAK V., Demirci C., Suzen L.
GEODINAMICA ACTA, vol.18, pp.317-331, 2005 (SCI-Expanded)
- XXII. **Episodic, two-stage Neogene extension and short-term intervening compression in Western Turkey: field evidence from the Kiraz Basin and Bozdag Horst**
Bozkurt E., Rojay B.
GEODINAMICA ACTA, vol.18, pp.299-316, 2005 (SCI-Expanded)
- XXIII. **Geodynamic significance of the Cretaceous pillow basalts from North Anatolian Ophiolitic Melange Belt (Central Anatolia, Turkey): geochemical and paleontological constraints**
Rojay B., Altiner D., Altiner S., Onen A., James S., Thirlwall M.
GEODINAMICA ACTA, vol.17, no.5, pp.349-361, 2004 (SCI-Expanded)
- XXIV. **Geodynamic significance of the Cretaceous pillow basalts from North Anatolian Ophiolitic Mélange Belt Central Anatolia Turkey geochemical and paleontological constraints**
ROJAY F. B., ALTINER D., ALTINER S., ÖNEN P., JAMES S., THIRWALL M.
Geodinamica Acta, vol.17, pp.349-361, 2004 (SCI-Expanded)
- XXV. **The June 6 2000 Orta Çankırı Turkey Earthquake Sourced from a New Antithetic Sinistral Strike slip Structure of the North Anatolian Fault System the Dodurga Fault Zone**
Koçyiğit A., Rojay F. B., Cihan M., Özacar A. A.
TURKISH JOURNAL OF EARTH SCIENCES, vol.10, no.2, pp.69-82, 2001 (SCI-Expanded)
- XXVI. **Neotectonic and volcanic characteristics of the Karasu fault zone (Anatolia, Turkey): The transition zone between the Dead Sea transform and the East Anatolian fault zone**
Rojay B., Heimann A., Toprak V.
GEODINAMICA ACTA, vol.14, pp.197-212, 2001 (SCI-Expanded)
- XXVII. **Middle Jurassic Lower Cretaceous biostratigraphy in the Central Pontides (Turkey): Remarks on paleogeography and tectonic evolution**
Rojay B., Altiner D.
RIVISTA ITALIANA DI PALEONTOLOGIA E STRATIGRAFIA, vol.104, no.2, pp.167-179, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Tectonostratigraphic Evolution Of An Arc Trench Basin On Accretionary Ophiolitic Melange Prism Central Anatolia Turkey**
ROJAY F. B., SÜZEN M. L.
The Bulletin of Turkish Association of Petroleum Geologists, vol.9, pp.1-12, 1997 (Peer-Reviewed Journal)
- II. **Tectonic setting of some Paleozoic metamorphics in northern Anatolia**
ROJAY F. B.
H.Ü. yerbilimleri, vol.19, pp.109-118, 1997 (Scopus)
- III. **Post Triassic evolution of Central Pontides Evidence from Amasya region Northern Anatolia Turkey**
Rojay F. B.
Geologica Romana, vol.31, pp.329-350, 1995 (Peer-Reviewed Journal)
- IV. **Post-Triassic evolution of Central Pontides: evidence from Amasya region, northern Anatolia**
ROJAY F. B.

Geologica Romana, vol.31, pp.329-350, 1995 (Scopus)

- V. **Joint type and joint density analysis in the flysch sequence around Kırıkkale**
Rojay F. B., Toprak G. M. V.
Türkiye Petrol Jeologları Derneği Bülteni, vol.6, no.1, pp.39-50, 1995 (Peer-Reviewed Journal)
- VI. **Of Solaklı aqueduct tunnel system A case study from the Eastern Black Sea area NE Turkey**
Vedat D., Toprak V., TOPAL T., Koçyiğit A., ROJAY F. B., BOZKURT E.
Proceedings of the International Symposium on the Geology of the Black Sea Region, pp.319-327, 1995 (Peer-Reviewed Journal)
- VII. **Engineering geological evaluation of the Of Solaklı Hydropower Development Project NE Turkey**
DOYURAN V., TOPRAK V., TOPAL T., KOÇYIĞIT A., ROJAY F. B., BOZKURT E.
Bulletin of International Association of Engineering Geology, vol.47, pp.97-107, 1993 (Peer-Reviewed Journal)
- VIII. **Engineering geological evaluation of the Of-Solaklı hydropower development project (N.E. Turkey)**
Évaluation géotechnique du projet de centrale hydroélectrique d'of-solaklı (N.E. Turquie)
Doyuran V., Toprak V., TOPAL T., KOÇYIĞIT A., ROJAY F. B., BOZKURT E.
Bulletin of the International Association of Engineering Geology - Bulletin de l'Association Internationale de Géologie de l'Ingénieur, vol.47, no.1, pp.97-107, 1993 (Scopus)
- IX. **Examples from the forearc basin remnants at the active margin of northern Neo Tethys**
Development and emplacement ages of the Anatolian Nappe Turkey
KOÇYIĞIT A., ALTINER S., ROJAY F. B.
METU Journal of Pure and Applied Sciences, vol.21, pp.183-210, 1988 (Peer-Reviewed Journal)
- X. **Examples from forearc basin remnants at the active margin of northern Neo Tethys**
Development and emplacement ages of the Anatolian Nappe Turkey
ROJAY F. B., ALTINER S.
METU Journal Pure and Applied Science, vol.21, pp.183-210, 1988 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **İnegöl Bilecik Bozüyük arasında kalan alanın jeolojik etüdü**
koçyiğit a., KAYMAKCI N., ROJAY F. B., DİRİK R. K., ÖZCAN E.
TPAO Arşivi, 1991

Supported Projects

- ROJAY F. B., KAPLAN M., Project Supported by Higher Education Institutions, Mudurnu Havzasının Erken Kretase Sonrası - Miyosen Öncesi Tektonik Evrimi, 2018 - 2022
- ROJAY F. B., KAPLAN M., Project Supported by Higher Education Institutions, MUDURNU HAVZASININ ERKEN KRETASE SONRASI-MİYOSEN ÖNCESİ TEKTONİK EVRİMİ, 2018 - 2020
- Rojay F. B., Kaymakçı N., Özacar A. A., Whitney D., National Research Fund Supported Project, Collaborative Research Continental Dynamics Central Anatolian Tectonics CD CAT Surface to Mantle dynamics during collision to escape NSF 1109826 11099336 1109762 1109699 1109703, 2011 - 2019
- Rojay F. B., EU Supported Other Project, Continental Dynamics Central Anatolian Tectonics CD CAT Surface to mantle Dynamics during collision to escape NSF 1109826 1109336 1109762 1109699 1109703, 2011 - 2016
- Rojay F. B., Özkan Altiner S., TÜBİTAK Project, İzmir Ankara Erzincan Kuşasında Yeralan Mesozoyik Yaşlı Yastık Lavların Jeokimyası ve Yaşlı Yastık Lavları, 1998 - 2000

Metrics

Publication: 56

Citation (WoS): 778

Citation (Scopus): 898

H-Index (WoS): 14

H-Index (Scopus): 15

Non Academic Experience

Univ. of Cincinnati