

## Assoc. Prof. İSA ÇÖMEZ

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2003 - 2009

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2000 - 2003

Under Graduate, Ondokuz Mayıs University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 1996 - 2000

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, RİJİT DAİRESEL BİR PANÇLA BASTIRILAN ELASTİK TABAKA VE YARIM DÜZLEMİN SÜRTÜNME Lİ DEĞME PROBLEMİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2009

Post Graduate, RİJİT BİR PANÇ İLE BASTIRILMIŞ VE TABANDA TAM OLARAK BAĞLI AĞIRLIKSIZ ÇİFT ŞERİT PROBLEMİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Mekanik, 2003

### Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues

Other, Istanbul Technical University, İnşaat Mühendisliği, İnşaat Mühendisliği, 2018 - 2019

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2010 - 2019

Other, Texas A&M University At Qatar, Mechanical Engineering Program, Mechanical Engineering Program, 2016 - 2016

Other, Texas A&M University At Qatar, Mechanical Engineering Program, Mechanical Engineering Program, 2015 - 2015

Other, Technische Universiteit Delft, Civil Engineering And Geosciences, Civil Engineering And Geosciences, 2014 - 2014

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2002 - 2010

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

#### I. Partial slip contact analysis for a monoclinic half plane

Çömez İ., Alinia Y., Güler M. A. , El-Borgi S.

Mathematics And Mechanics Of Solids, vol.26, no.3, pp.401-421, 2021 (Journal Indexed in SCI)

- II. **Frictional moving contact problem of a magneto- electro- elastic half plane**  
Çömez İ.  
Mechanics Of Materials, vol.154, pp.1-20, 2021 (Journal Indexed in SCI)
- III. **An Exact Elasticity Solution for Monoclinic Functionally Graded Beams**  
ÇÖMEZ İ., Aribas U. N. , Kutlu A., Omurtag M. H.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2021 (Journal Indexed in SCI)
- IV. **Thermoelastic receding contact problem of a layer resting on a half plane with frictional heat generation**  
ÇÖMEZ İ.  
JOURNAL OF THERMAL STRESSES, 2021 (Journal Indexed in SCI)
- V. **On the contact problem of a moving rigid cylindrical punch sliding over an orthotropic layer bonded to an isotropic half plane**  
ÇÖMEZ İ., Guler M. A.  
MATHEMATICS AND MECHANICS OF SOLIDS, vol.25, no.10, pp.1924-1942, 2020 (Journal Indexed in SCI)
- VI. **Frictional receding contact problem of a functionally graded layer resting on a homogeneous coated half-plane**  
ÇÖMEZ İ., El-Borgi S., YILDIRIM B.  
ARCHIVE OF APPLIED MECHANICS, vol.90, no.9, pp.2113-2131, 2020 (Journal Indexed in SCI)
- VII. **Contact mechanics of the functionally graded monoclinic layer**  
ÇÖMEZ İ.  
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.83, 2020 (Journal Indexed in SCI)
- VIII. **Continuous and discontinuous contact problems of a homogeneous piezoelectric layer pressed by a conducting rigid flat punch**  
Comez I., Güler M. A. , El-BORGİ S.  
ACTA MECHANICA, vol.231, no.3, pp.957-976, 2020 (Journal Indexed in SCI)
- IX. **Double frictional receding contact problem for an orthotropic layer loaded by normal and tangential forces**  
Yildirim B., Yilmaz K. B. , Comez I., Guler M. A.  
MECCANICA, vol.54, no.14, pp.2183-2206, 2019 (Journal Indexed in SCI)
- X. **Sliding frictional contact analysis of a monoclinic coating/isotropic substrate system**  
Yilmaz K. B. , Comez I., Guler M. A. , Yildirim B.  
MECHANICS OF MATERIALS, vol.137, 2019 (Journal Indexed in SCI)
- XI. **On the plane frictional contact problem of a homogeneous orthotropic layer loaded by a rigid cylindrical stamp**  
Comez I., Yilmaz K. B. , Guler M. A. , Yildirim B.  
ARCHIVE OF APPLIED MECHANICS, vol.89, no.7, pp.1403-1419, 2019 (Journal Indexed in SCI)
- XII. **Frictional moving contact problem of an orthotropic layer indented by a rigid cylindrical punch**  
ÇÖMEZ İ.  
MECHANICS OF MATERIALS, vol.133, pp.120-127, 2019 (Journal Indexed in SCI)
- XIII. **The effect of orthotropic material gradation on the plane sliding frictional contact mechanics problem**  
YILMAZ K. B. , Comez L., Guler M. A. , YILDIRIM B.  
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.54, no.4, pp.254-275, 2019 (Journal Indexed in SCI)
- XIV. **Analytical and finite element solution of the sliding frictional contact problem for a homogeneous orthotropic coating-isotropic substrate system**  
Yilmaz K. B. , Comez I., Guler M. A. , Yildirim B.  
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.99, no.3, 2019 (Journal Indexed in SCI)
- XV. **Mechanics of frictional contact for an arbitrary oriented orthotropic material**  
ÇÖMEZ İ., YILMAZ K. B.

ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.99, no.3, 2019 (Journal Indexed in SCI)

- XVI. **Continuous and discontinuous contact problem of a functionally graded layer pressed by a rigid cylindrical punch**  
ÇÖMEZ İ.  
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.73, pp.437-448, 2019 (Journal Indexed in SCI)
- XVII. **On the plane frictional contact problem of a homogeneous orthotropic layer loaded by a rigid cylindrical stamp**  
ÇÖMEZ İ., Yılmaz K. B. , Güler M. A. , Yildırım B.  
ARCHIVE OF APPLIED MECHANICS, vol.89, pp.1403-1419, 2019 (Journal Indexed in SCI)
- XVIII. **Contact problem of a graded layer supported by two rigid punches**  
ÇÖMEZ İ., EL-BORGI S.  
ARCHIVE OF APPLIED MECHANICS, vol.88, no.10, pp.1893-1903, 2018 (Journal Indexed in SCI)
- XIX. **Frictional receding contact problem for a graded bilayer system indented by a rigid punch**  
Yılmaz K. B. , Comez I., Yildirim B., Guler M. A. , El-Borgi S.  
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.141, pp.127-142, 2018 (Journal Indexed in SCI)
- XX. **Plane receding contact problem for a functionally graded layer supported by two quarter-planes**  
ÇÖMEZ İ., KAHYA V., Erdol R.  
ARCHIVES OF MECHANICS, vol.70, no.6, pp.485-504, 2018 (Journal Indexed in SCI)
- XXI. **Frictional moving contact problem for a layer indented by a rigid cylindrical punch**  
ÇÖMEZ İ.  
ARCHIVE OF APPLIED MECHANICS, vol.87, no.12, pp.1993-2002, 2017 (Journal Indexed in SCI)
- XXII. **A receding frictional contact problem between a graded layer and a homogeneous substrate pressed by a rigid punch**  
EL-BORGI S., ÇÖMEZ İ.  
MECHANICS OF MATERIALS, vol.114, pp.201-214, 2017 (Journal Indexed in SCI)
- XXIII. **The contact problem of a rigid punch sliding over a functionally graded bilayer**  
ÇÖMEZ İ., Guler M. A.  
ACTA MECHANICA, vol.228, no.6, pp.2237-2249, 2017 (Journal Indexed in SCI)
- XXIV. **Receding contact problem for two-layer functionally graded media indented by a rigid punch**  
ÇÖMEZ İ., El-Borgi S., KAHYA V., Erdol R.  
ACTA MECHANICA, vol.227, no.9, pp.2493-2504, 2016 (Journal Indexed in SCI)
- XXV. **Contact problem for a functionally graded layer indented by a moving punch**  
Comez I.  
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.100, pp.339-344, 2015 (Journal Indexed in SCI)
- XXVI. **Contact problem of a functionally graded layer resting on a Winkler foundation**  
Comez I.  
ACTA MECHANICA, vol.224, no.11, pp.2833-2843, 2013 (Journal Indexed in SCI)
- XXVII. **Frictional contact problem of a rigid stamp and an elastic layer bonded to a homogeneous substrate**  
ÇÖMEZ İ., ERDÖL R.  
ARCHIVE OF APPLIED MECHANICS, vol.83, no.1, pp.15-24, 2013 (Journal Indexed in SCI)
- XXVIII. **Receding contact problem for a coated layer and a half-plane loaded by a rigid cylindrical stamp**  
Adibelli H., ÇÖMEZ İ., ERDÖL R.  
ARCHIVES OF MECHANICS, vol.65, no.3, pp.219-236, 2013 (Journal Indexed in SCI)
- XXIX. **Frictional contact problem for a rigid cylindrical stamp and an elastic layer resting on a half plane**  
Comez I.  
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.47, pp.1090-1097, 2010 (Journal Indexed in SCI)
- XXX. **Application of artificial neural networks to a double receding contact problem with a rigid stamp**  
ÇAKIROĞLU E., Comez I., ERDÖL R.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.21, no.2, pp.205-220, 2005 (Journal Indexed in SCI)
- XXXI. **Double receding contact problem for a rigid stamp and two elastic layers**

## Articles Published in Other Journals

- I. **Frictionless contact problem between a rigid moving punch and a homogeneous layer resting on a Winkler foundation**  
ÇÖMEZ İ., Yılmaz K. B. , Güler M. A. , Yıldırım B.  
Journal of Structural Engineering & Applied Mechanic, vol.2, no.2, pp.75-87, 2019 (Refereed Journals of Other Institutions)
- II. **Elasticity solution for a functionally graded two-layer beam with simple supported edges**  
ÇÖMEZ İ.  
Turkish Journal of Engineering and Environmental Sciences, vol.38, pp.373-381, 2014 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Rijit Bir Panç Aracılığıyla Bastırılmış ve Altta Tam Bağlı Ağırlıksız Çift Şeritte Değme Problemi**  
ÇÖMEZ İ., BİRİNCİ A., Erdol R.  
XIII. Ulusal Mekanik Kongresi, Gaziantep, Turkey, pp.321
- II. **ELASTİK YARIM DÜZLEM ÜZERİNE RİJİT ZIMBA İLE BASTIRILAN TABAKALI KOMPOZİTİN SÜRTÜNMELİ TEMAS PROBLEMİ**  
ADIBELLİ H., ÇÖMEZ İ., Erdöl R.  
21. Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, pp.706-715
- III. **DAİRESEL ZIMBA İLE BASTIRILAN ELEKTROMANYETİK YARIM DÜZLEMİN HAREKETLİ TEMAS PROBLEMİ**  
ÇÖMEZ İ.  
21. Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, pp.716-725
- IV. **DAİRESEL ZIMBA İLE İZOTROP YARIM DÜZLEM BASTIRILAN ORTOTROP TABAKANIN SÜRTÜNMELİ TEMAS PROBLEMİ**  
Yılmaz K. B. , ÇÖMEZ İ., Güler M. A. , Yıldırım B.  
21. Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, pp.687-696
- V. **FRictional SLIDING CONTACT PROBLEM OF AN ORTHOTROPIC LAYER PRESSED BY A RIGID PARABOLIC PUNCH**  
Yılmaz K. B. , ÇÖMEZ İ., Güler M. A. , Yıldırım B.  
International Civil Engineering & Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, pp.1022-1030
- VI. **FRictional CONTACT PROBLEM BETWEEN A FUNCTIONALLY GRADED ORTHOTROPIC LAYER AND A RIGID FLAT PUNCH**  
Yılmaz K. B. , ÇÖMEZ İ., Güler M. A. , Yıldırım B.  
International Civil Engineering & Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, pp.1013-1021
- VII. **Hareketli Zimba ile Bastırılan Tabakanın Sürtünmeli Değme Problemi**  
ÇÖMEZ İ., ADIBELLİ H., ERDÖL R.  
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.1
- VIII. **HAREKETLİ ZIMBA İLE BASTIRILAN TABAKANIN SÜRTÜNMELİ DEĞME PROBLEMİ**  
ÇÖMEZ İ., ADIBELLİ H., ERDÖL R.  
XIX. ULUSAL MEKANİK KONGRESİ, Trabzon, Turkey, 24 - 28 September 2015
- IX. **Winkler Zeminine Oturan Fonksiyonel Derecelendirilmiş Tabakada Değme Problemi**  
ÇÖMEZ İ., ADIBELLİ H., ERDÖL R.  
XVIII. Ulusal Mekanik Kongresi, Turkey, 26 - 30 August 2013

- X. **Winkler Zeminine Oturan Fonksiyonel Derecelendirilmiş Tabakada Değme Problemi**  
ÇÖMEZ İ., ADIBELLİ H., Erdol R.  
XVIII. Ulusal Mekanik Kongresi, Manisa, Turkey, 26 - 30 August 2013, pp.1
- XI. **İki Elastik Çeyrek Düzleme Oturan ve Dairesel Rijit Bir Panç ile Bastırılan Elastik Tabaka Problemi**  
ÇAKIROĞLU E., ÇÖMEZ İ., ERDÖL R.  
XVII. Ulusal Mekanik Kongresi, Turkey, 5 - 09 September 2011
- XII. **İki Elastik Çeyrek Düzleme Oturan Ve Dairesel Rijit Bir Panç İle Bastırılan Elastik Tabaka Probleminde Temas Mesafelerinin Yapay Sinir Ağı İle Hesabı**  
ERDOĞAN Ç., ÇÖMEZ İ., ERDÖL R.  
XVII. Ulusal Mekanik Kongresi, Elazığ, Turkey, 5 - 09 September 2011
- XIII. **İKİ ELASTİK ÇEYREK DÜZLEME OTURAN VE DAİRESEL RİJİT BİR PANÇ İLE İki Elastik Çeyrek Düzleme Oturan ve Dairesel Rijit Bir Panç ile Bastırılan Elastik Tabaka Problemi**  
ÇAKIROĞLU E., ÇÖMEZ İ., Erdol R.  
XVII. Ulusal Mekanik Kongresi, Elazığ, Turkey, 5 - 09 September 2011, pp.192-201
- XIV. **İki Elastik Çeyrek Düzleme Oturan Ve Dairesel Rijit Bir Panç İle Bastırılan Elastik Tabaka Probleminde Temas Mesafelerinin Yapay Sinir Ağı İle Hesabı**  
ÇAKIROĞLU E., ÇÖMEZ İ., Erdol R.  
XVII. Ulusal Mekanik Kongresi, Elazığ, Turkey, 5 - 09 September 2011, pp.192-201
- XV. **Rijit Panç İle Bastırılmış Elastik Yarım Düzleme Oturmuş Ağırksız Çift Şeritte Değme Problemi**  
ADIBELLİ H., ÇÖMEZ İ., ERDÖL R.  
XVI. Ulusal Mekanik Kongresi, Elazığ, Turkey, 22 - 26 June 2009
- XVI. **Rijit Dairesel Bir Pançla Bastırılan Ve Elastik Yarım Düzleme Oturan Tabakanın Sürtünmeli Değme Problemi**  
ÇÖMEZ İ., ERDÖL R.  
XVI. Ulusal Mekanik Kongresi, Kayseri, Turkey, 22 - 26 June 2009
- XVII. **Rijit Panç İle Bastırılmış Elastik Yarım Düzleme Oturmuş Ağırksız Çift Şeritte Değme Problemi**  
ADIBELLİ H., ÇÖMEZ İ., Erdol R.  
XVI. Ulusal Mekanik Kongresi, Kayseri, Turkey, 22 - 26 June 2009, pp.71-82
- XVIII. **Rijit Dairesel Bir Pançla Bastırılan Ve Elastik Yarım Düzleme Oturan Tabakanın Sürtünmeli Değme Problemi**  
ÇÖMEZ İ., Erdol R.  
XVI. Ulusal Mekanik Kongresi, Kayseri, Turkey, 22 - 26 June 2009, pp.443-454
- XIX. **Rijit Dairesel Bir Pançla Bastırılmış Elastik Yarım Düzleme Tam Yapışık Tabakanın Sürtünmeli Değme Problemi**  
ÇÖMEZ İ., ERDÖL R.  
XV. Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007
- XX. **RİJİT DAİRESEL BİR PANÇLA BASTIRILMIŞ, ELASTİK YARIM DÜZLEME TAM YAPIŞIK TABAKANIN SÜRTÜNME Lİ DEĞME PROBLEMİ**  
ÇÖMEZ İ., Erdol R.  
XV. Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007, pp.309-320
- XXI. **Değme Probleminin Yapay Sinir Ağı Yaklaşımıyla Analizi**  
ERDOĞAN Ç., ÇÖMEZ İ., ERDÖL R.  
XIV. Ulusal Mekanik Kongresi, ANTAKYA, Turkey, 12 - 16 September 2005
- XXII. **DEĞME PROBLEMİNİN YAPAY SİNİR AĞI YAKLAŞIMIYLA ANALİZİ**  
Çakiroğlu E., ÇÖMEZ İ., Erdol R.  
XIV. ULUSAL MEKANİK KONGRESİ, Hatay, Turkey, 12 - 16 September 2005, pp.265-274
- XXIII. **Rijit Bir Panç Aracılığıyla Bastırılmış ve Alttan Tam Bağlı Ağırksız Çift Şeritte Değme Problemi**  
ÇÖMEZ İ., BİRİNCİ A., Erdol R.  
XIII. Ulusal Mekanik Kongresi, Gaziantep, Turkey, 8 - 14 September 2003, pp.321-332

## **Scientific Refereeing**

International Journal Of Mechanical Sciences, SCI Journal, November 2020  
ACTA MECHANICA, SCI Journal, November 2020  
International Journal of Mechanical Sciences, SCI Journal, February 2020  
Teknik Dergi, National Scientific Refreed Journal, December 2019  
Mechanics of Materials, SCI Journal, October 2019  
Composites Part B: Engineering, SCI Journal, August 2019  
International Journal of Mechanical Science, SCI Journal, October 2018  
International Journal of Mechanical Science, SCI Journal, September 2018  
Solids and Structures, SCI Journal, July 2018  
Meccanica, SCI Journal, May 2018  
Sigma Journal of Engineering and Natural Sciences, National Scientific Refreed Journal, April 2018  
Mathematics and Mechanics of Solids, Other Indexed Journal, March 2018  
International Journal of Computational Materials Science and Surface Engineering (IJCMSSE), Other Indexed Journal, November 2017  
International Journal of Computational Methods, Other Indexed Journal, November 2017  
Solids and Structures, National Scientific Refreed Journal, January 2013  
Solids and Structures, SCI Journal, January 2013  
Journal of Elasticity, SCI Journal, January 2011

## **Citations**

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