

## Ömer Civalek / Academic Resume and CV

### **Prof. Dr. Ömer Civalek**

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Date of Birth: 1973

### **EDUCATION**

On leave from Faculty of Medicine of Akdeniz University (1990-1992).  
B.Sc., University of Fırat, in Civil Engineering (1992-1996).  
M.Sc., University of Fırat, in Mechanics (1996-1998).  
Ph.D., University of Dokuz Eylül, in Structural Vibration (1998-2003).  
2<sup>nd</sup> Ph.D., University of Fırat, in Applied Mechanics (2000-2004).

### **WORK EXPERIENCE**

General Director, Elif Computer Co., Elazığ (1993-1995).  
Research Assistant, Pamukkale University, Denizli (1996-2000).  
Project Engineer, General Directorate of Provinces Bank, Ankara (2000-2004).  
Assist. Prof. Dr. , Akdeniz University, Antalya (June 2004-October 2006).  
Assoc. Prof. Dr., Akdeniz University, Antalya (October 2006-May 2012).  
Professor Dr., Akdeniz University, Antalya (May 2012-)

### **SUMMARY OF SCIENTIFIC STUDIES**

**h-index: 45**

**about 5200 citations in GOOGLE SCHOLAR and 3430 citations in Web of Sciences (WOS)**

**111 manuscript in SCI journals and Totally 221 papers**

### **BIOGRAPHY**

Who is Who in Computational Mechanics, 2005 and 2006.  
Who is Who in the World, 2006 and 2007(Marquis).  
Who is Who in Sciences and Engineering, 2007(Marquis).  
Who is Who of Emerging Leaders, 2007 (Marquis).

## **AWARDS and PRIZES**

**TUBITAK Science Encouragement Award (Engineering), 2012.**  
**Akdeniz University Encouragement Prize in 2007.**  
**Popular Science Magazine Encouragement Prize in 2009.**  
**Akdeniz University Science Prize in 2010.**  
**TUBITAK Science Award (Engineering), 2017.**

## **RESEARCH AREA**

Applied Mechanics, Computational Solid Mechanics, Mathematical Modeling, Numerical Solutions of Partial Differential Equations, Modeling of Micro/Nano Structures, Higher-Order Continuum Theories, Analysis of beams plates and shells.

## **THESIS**

**Ph.D. Dissertation-1 in Applied Mechanics:** Nonlinear static and dynamic analysis of plates and shells on elastic foundations by the method of polynomial differential quadrature, University of Firat, Elazığ, 2004.

**2<sup>nd</sup> Ph.D. Dissertation-2 in Structural dynamics:** Linear and non-linear dynamic analysis of multi-degree-of-freedom systems by harmonic differential quadrature method, Dokuz Eylül University, Izmir, 2003.

**Thesis of Master of Sciences:** Nonlinear static and dynamic analysis of plates and shells by using Neuro-Fuzzy technique, University of Firat, Elazığ, 1998.

**Thesis of Bachelor of Sciences:** Finite element analysis of plane frames and truss structures, University of Firat, Elazığ, 1996.

## **THESIS SUPERVISED**

### **Completed**

1. **Kuzu, E.,** Free Vibration Analysis of Circular and Annular Plates by Differential Quadrature and Discrete Singular Convolution Methods, M.Sc. Thesis, 2007.
2. **Gürses, M.,** Vibration Analysis of Kirchoff Plates Having Different Geometry by Differential Quadrature and Discrete Singular Convolution Methods, M.Sc. Thesis, 2008.
3. **Kiracioglu, O.,** Free vibration Analysis of Shear Deformable Beams and Plates using Discrete Singular Convolution and Finite Element Methods, M.Sc. Thesis, 2008.
4. **Özpolat, L.,** Free Vibration Analysis of Membranes Having Straight-Sided Quadrilateral or Curvilinear Geometry by Differential Quadrature and Discrete Singular Convolution Methods, M.Sc. Thesis, 2009.
5. **Baltacıoğlu, A.K.,** Nonlinear static analysis of laminated composite plates resting on nonlinear elastic foundations, M.Sc. Thesis, 2010.

6. **Akgöz, B.**, Linear and nonlinear analyses of micro/nano structures based on higher-order continuum theory, M.Sc. Thesis, 2010.
7. **Demir, Ç.**, Free vibration and bending analyses of microtubules based on the nonlocal elasticity theory, M.Sc. Thesis, 2011.
8. **Gürses, M.**, Free vibration and stress analysis of plates and shells using Micropolar and Cosserat Continuum theories, Ph.D. Thesis, 2015.
9. **Akgöz, B.**, Strain gradient elasticity and couple stress theories for buckling and vibration analysis of micro-scaled plates and beams, Ph.D. Thesis.
10. **Erdinç MC.**, Mechanical analysis of graphene sheets in biomedical applications, M.Sc.Thesis.
11. **Baltacıoğlu, AK.**, Free vibration analysis CNT-reinforced and FGM plates and shells, Ph.D. Thesis.
12. **Çakirtaş, S.**, Bending and vibration of single-layer graphene sheets on elastic foundation via nonlocal elasticity, 2015.
13. **Mercan K.**, Size dependent buckling analysis of aorta artery using nonlocal elasticity theory and surface elasticity theory and its finite element model, M.Sc. Thesis, 2017.
14. **Solmaz, S.**, Optimal design based on nonlocal elasticity of static loaded nanobeams, M.Sc. Thesis, 2017.

#### **To appear**

13. **Demir, Ç.**, Nonlocal elasticity theory for lattice dynamics applications, Ph.D. Thesis, 2017.
15. **Gök, Ö.** Free vibration and bending analysis of shells and panels with FGM via FEM and DSC methods, 2017.
16. **Aydın, B.**, Optimum design of micro and nano scaled mechanical systems, 2017.
17. **Uysal S.**, Nonlocal finite element method for vibration analysis of microelectro mechanical components under piezoelectricity and thermal effect, 2017

#### **COURSES THOUGHT**

##### **Undergraduate Courses:**

- 1- Static (Mechanics)
- 2- Strength of Materials-I and II
- 3- Dynamics (Mechanics)

## Graduate Courses:

- 1- Theory of elasticity
- 2- Numerical solutions of plates and shells
- 3- Mathematical modeling and numerical analysis in engineering
- 4- Theory of elastic stability
- 5- Engineering analysis

## PUBLICATIONS

### PEER REVIEWED JOURNALS - (**111 manuscript in SCI journals**)

1. Ömer Civalek; **Application of Differential Quadrature (DQ) and Harmonic Differential Quadrature (HDQ) for Buckling Analysis of Thin Isotropic Plates and Elastic Columns**; Engineering Structures; 26/2/171-186; 2004, WOS:000188062200002, DOI: 10.1016/j.engstruct.2003.09.005, <http://www.sciencedirect.com/science/article/pii/S0141029603002165>
2. Ömer Civalek, Mehmet Ülker; **Harmonic Differential Quadrature (HDQ) for Axisymmetric Bending Analysis of Thin Isotropic Circular Plates**; Structural Engineering and Mechanics, 17/1/1-14; 2004, WOS:000187565100001, DOI : 10.12989/sem.2004.17.1.001, [http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2004\\_v17n1\\_1](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2004_v17n1_1)
3. Ömer Civalek; **Flexural and Axial Vibration Analysis of Beams with Different Support Conditions Using Artificial Neural Networks**; Structural Engineering and Mechanics; 18/3/303-314; 2004, WOS:000223239900003, DOI : 10.12989/sem.2004.18.3.303, [http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2004\\_v18n3\\_303](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2004_v18n3_303)
4. Ömer Civalek; Mehmet Ülker; **HDQ-FD Integrated Methodology For Nonlinear Static and Dynamic Response of Doubly Curved Shallow Shells**; Structural Engineering and Mechanics; 19/5/ 535-550; 2005, WOS:000228906900004, DOI : 10.12989/sem.2005.19.5.535, [http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2005\\_v19n5\\_535](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2005_v19n5_535)
5. Ömer Civalek; **Large Deflection Static and Dynamic Analysis of Thin Circular Plates Resting on Two-Parameter Elastic Foundation: HDQ/FD Coupled Methodology Approaches**; International Journal of Computational Methods; 2/2/ 271-291; 2005, WOS:000207552600008, DOI: 10.1142/S0219876205000478, <http://www.worldscientific.com/doi/abs/10.1142/S0219876205000478>
6. Ömer Civalek; **Geometrically Nonlinear Dynamic Analysis of Doubly Curved Isotropic Shells Resting on Elastic Foundation by a Combination of Harmonic Differential Quadrature-Finite Difference Methods**; International Journal of Pressure Vessels and Piping; 82/6/470-479; 2005, WOS:000228767600003, DOI:10.1016/j.ijpvp.2004.12.003, <http://www.sciencedirect.com/science/article/pii/S0308016105000098>
7. Ömer Civalek; **An Efficient Method for Free Vibration Analysis of Rotating Truncated Conical Shells**; International Journal of Pressure Vessels and Piping;

- 83/1-12; 2006, WOS:000235569100001, DOI: 10.1016/j.ijpvp.2005.10.005,  
<http://www.sciencedirect.com/science/article/pii/S0308016105001316>
8. Ömer Civalek; **The Determination of Frequencies** of Laminated Conical Shells via The Discrete Singular Convolution Method; Journal of Mechanics of Materials and Structures; 1/1/163-182; 2006, WOS:000207728100007, DOI: 10.2140/jomms.2006.1.163,  
<http://msp.org/jomms/2006/1-1/jomms-v1-n1-p08-s.pdf>
  9. Ömer Civalek; **Harmonic Differential Quadrature-Finite Differences Coupled Approaches for Geometrically Nonlinear Static and Dynamic Analysis of Rectangular Plates on Elastic Foundation**; Journal of Sound and Vibration; 294/4-5/966-980; 2006, WOS:000238359200017, DOI:10.1016/j.jsv.2005.12.041,  
<http://www.sciencedirect.com/science/article/pii/S0022460X06000502>
  10. Ömer Civalek; **Free Vibration Analysis of Composite Conical Shells Using The Discrete Singular Convolution Algorithm**; Steel and Composite Structures; 6/4/ 353-366; 2006, WOS:000239944600005, DOI : 10.12989/scs.2006.6.4.353,  
[http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHEW\\_2006\\_v6n4\\_353](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHEW_2006_v6n4_353)
  11. Ömer Civalek; **Nonlinear Analysis of Thin Rectangular Plates on Winkler-Pasternak Elastic Foundations by DSC-HDQ Methods**; Applied Mathematical Modelling; 31/3/606-624; 2007, WOS:000243064400015, DOI: 10.1016/j.apm.2005.11.023,  
<http://www.sciencedirect.com/science/article/pii/S0307904X0500257X>
  12. Ömer Civalek; **Linear Vibration Analysis of Isotropic Conical Shells by Discrete Singular Convolution (DSC)**; Structural Engineering and Mechanics; 25/1/127-130; 2007, DOI : 10.12989/sem.2007.25.1.127, WOS:000242638600008,  
[http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2007\\_v25n1\\_127](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2007_v25n1_127)
  13. Ömer Civalek; **Nonlinear Dynamic Response of MDOF Systems by The Method of Harmonic Differential Quadrature (HDQ)**; Structural Engineering and Mechanics; 25/2/ 201-217; 2007, WOS:000243648800005, DOI : 10.12989/sem.2007.25.2.201,  
[http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2007\\_v25n2\\_201](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2007_v25n2_201)
  14. Ömer Civalek; **Three-dimensional Vibration, Buckling and Bending Analyses of Thick Rectangular Plates Based on Discrete Singular Convolution Method**; International Journal of Mechanical Sciences; 49/6/752-765; 2007, DOI: 10.1016/j.ijmecsci.2006.10.002, WOS:000247501100009,  
<http://www.sciencedirect.com/science/article/pii/S0020740306002396>
  15. Ömer Civalek; **Numerical Analysis of Free Vibrations of Laminated Composite Conical and Cylindrical Shells: Discrete Singular Convolution (DSC) Approach**; Journal of Computational and Applied Mathematics; 205/1/ 251 – 271; 2007, DOI: 10.1016/j.cam.2006.05.001, WOS:000246994600018,  
<http://www.sciencedirect.com/science/article/pii/S0377042706003141>
  16. Ömer Civalek; **A Parametric Study of The Free Vibration Analysis of Rotating Laminated Cylindrical Shells Using The Method of Discrete Singular**

- Convolution; Thin-Walled Structures; 45/7-8/692-698; 2007, DOI: 10.1016/j.tws.2007.05.004, WOS:000249679800005, <http://www.sciencedirect.com/science/article/pii/S0263823107001267>
17. Ömer Civalek; **Free Vibration and Buckling Analyses of Composite Plates with Straight-sided Quadrilateral Domain Based on DSC Approach**; Finite Elements in Analysis and Design; 43/13/1013-1022; 2007, DOI: 10.1016/j.finel.2007.06.014, WOS:000250365100004, <http://www.sciencedirect.com/science/article/pii/S0168874X07000856>
  18. Ömer Civalek, Mustafa Hilmi Acar; **Discrete Singular Convolution Method for The Analysis of Mindlin Plates on Elastic Foundations**; International Journal of Pressure Vessels and Piping; 84/9/527-535; 2007, DOI: 10.1016/j.ijpvp.2007.07.001, WOS:000250063100001, <http://www.sciencedirect.com/science/article/pii/S0308016107000865>
  19. Ömer Civalek; Book review: Laminated Composite Plates and Shells: 3D Modelling, by J. Ye. Springer Press, UK, (2003), xiv+273 pp 169\$, Hard cover, ISBN: 1852336528; International Journal of Pressure Vessels and Piping; 84/12/773-774; 2007, <http://www.sciencedirect.com/science/article/pii/S0308016107001081>
  20. Ömer Civalek, Yusuf Calayır; **İnce Dikdörtgen Plakların Titreşim Frekanslarının Yapay Sinir Ağları Yaklaşımı ile Tahmini (Estimation of the Vibration Frequencies of Thin Rectangular Plates by Artificial Neural Networks Approach)**; IMO Technical Journal; 18/3/4161-4176; 2007, WOS:000255400300001, <http://www.imo.org.tr/resimler/ekutuphane/pdf/14453.pdf>
  21. Ömer Civalek; **Discrete Singular Convolution (DSC) For Free Vibration Analysis of Conical Shells with Various Boundary Conditions**; International Journal of Computational Methods; 4/1/81-108; 2007, DOI: 10.1142/S0219876207000959, WOS:000207553300005, <http://www.worldscientific.com/doi/abs/10.1142/S0219876207000959>
  22. Ömer Civalek; **Analysis of Thick Rectangular Plates with Symmetric Cross-ply Laminates Based on First-order Shear Deformation Theory**; Journal of Composite Materials; 42/26/2853-2867; 2008, DOI: 10.1177/0021998308096952, WOS:000261546400007, <http://jcm.sagepub.com/content/42/26/2853.short>
  23. Ömer Civalek; **Vibration Analysis of Conical Panels Using the Method of Discrete Singular Convolution**; Communications in Numerical Methods in Engineering; 24/3/169-181; 2008, DOI: 10.1002/cnm.961, WOS:000254853600001, <http://onlinelibrary.wiley.com/doi/10.1002/cnm.961/abstract>
  24. Ömer Civalek; Baki Öztürk; **Discrete Singular Convolution Method For Free Vibration Analysis of Tapered Rectangular Plates**; Advance in Vibration Engineering; 7/3/261-274; 2008, WOS:000262938400005, [https://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=S2bqp7DMVF3gkN4T6pO&page=2&doc=71](https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=S2bqp7DMVF3gkN4T6pO&page=2&doc=71)
  25. Ömer Civalek; **Discrete Singular Convolution Method and Applications to Free Vibration Analysis of Circular and Annular Plates**; Structural Engineering and

- Mechanics; 29/2/ 237-240; 2008, DOI : 10.12989/sem.2008.29.2.237,  
WOS:000255485900008,  
[http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2008\\_v29n2\\_237](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2008_v29n2_237)
26. Ömer Civalek; **Free Vibration Analysis of Symmetrically Laminated Composite Plates with First-Order Shear Deformation Theory (FSDT) by Discrete Singular Convolution Method**; Finite Elements in Analysis and Design; 44/12-13/725-731; 2008, DOI: 10.1016/j.finel.2008.04.001, WOS:000258929500001,  
<http://www.sciencedirect.com/science/article/pii/S0168874X08000577>
27. Ömer Civalek; **Discrete Singular Convolution Methodology for Free Vibration and Stability Analyses of Arbitrary Straight-Sided Quadrilateral Plates**; Communications in Numerical Methods in Engineering; 24/11/1475-1495; 2008, DOI: 10.1002/cnm.1046, WOS:000261200200043,  
<http://onlinelibrary.wiley.com/doi/10.1002/cnm.1046/abstract>
28. Ömer Civalek, Altuğ Yavaş; **Discrete Singular Convolution for Buckling Analyses of Plates and Columns**; Structural Engineering and Mechanics; 29/3/279-288; 2008, DOI: 10.12989/sem.2008.29.3.279, WOS:000256631700003,  
[http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2008\\_v29n3\\_279](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2008_v29n3_279)
29. Ömer Civalek, Hakan Ersoy; **Frequency Analysis of Moderately Thick Uniform Isotropic Annular Plates by Discrete Singular Convolution Method**; Structural Engineering and Mechanics; 29/4/411-422; 2008, DOI : 10.12989/sem.2008.29.4.411, WOS:000257278800004,  
[http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2008\\_v29n4\\_411](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2008_v29n4_411)
30. Ömer Civalek; **Vibration Analysis of Membranes with Arbitrary Sapes Using Discrete Singular Convolution**; CMES-Computer Modeling in Engineering & Sciences ; 31/1/25-36; 2008, WOS:000259627700003,  
<http://msvlab.hre.ntou.edu.tw/cmcs2008-Civalek.pdf>
31. Ömer Civalek; **A Four-Node Discrete Singular Convolution for Geometric Transformation and Its Application to Numerical Solution of Vibration Problem of Arbitrary Straight-Sided Quadrilateral Plates**; Applied Mathematical Modelling; 33/1/300-314; 2009, DOI: 10.1016/j.apm.2007.11.003, WOS:000260267600021,  
<http://www.sciencedirect.com/science/article/pii/S0307904X07002909>
32. Ömer Civalek, Hakan Ersoy; **Free Vibration and Bending** Analysis of Circular Mindlin Plates Using Singular Convolution Method; Communications in Numerical Methods in Engineering; 25/8/907-922; 2009, DOI: 10.1002/cnm.1138, WOS:000269171500004,  
<http://onlinelibrary.wiley.com/doi/10.1002/cnm.1138/abstract>
33. Ömer Civalek; **Numerical Solutions to the Free Vibration Problem Of Mindlin Sector Plates Using Discrete Singular Convolution Method**; International Journal Of Structural Stability And Dynamics; 9/2/267-284; 2009, WOS:000265544100004,  
<http://www.worldscientific.com/doi/abs/10.1142/S0219455409003028>
34. Ömer Civalek, Murat Gürses, **Free Vibration of Annular Mindlin Plates with**

- Free Inner Edge via Discrete Singular Convolution Method; Arabian Journal for Science and Engineering; 34/1B/ 81-90; 2009; WOS:000268081700006, <http://eds.a.ebscohost.com/eds/pdfviewer/pdfviewer?sid=6efe64af-d182-40e9-8ec2-ff731035841e%40sessionmgr4009&vid=1&hid=4105>
35. Ömer Civalek, Engin Emsen; Discrete Singular Convolution Method for Bending Analysis of Reissner/Mindlin Plates Using Geometric Transformation; Steel and Composite Structures; 9/1/59-75; 2009, DOI : 10.12989/scs.2009.9.1.059, WOS:000263645300004, [http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHEW\\_2009\\_v9n1\\_59](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHEW_2009_v9n1_59)
36. Murat Gürses, Ömer Civalek, Armağan Korkmaz, Hakan Ersoy; Free Vibration Analysis of Symmetric Laminated Skew Plates by Discrete Singular Convolution Technique Based on First-Order Shear Deformation Theory; International Journal For Numerical Methods in Engineering; 79/290-313/ 2009, DOI: 10.1002/nme.2553, WOS:000268058400002, <http://onlinelibrary.wiley.com/doi/10.1002/nme.2553/full>
37. Ömer Civalek; **Fundamental Frequency of Isotropic and Orthotropic Rectangular Plates with Linearly Varying Thickness** by Discrete Singular Convolution Method; Applied Mathematical Modelling; 33/10/3825-3835; 2009, DOI: 10.1016/j.apm.2008.12.019, WOS:000267278000006, <http://www.sciencedirect.com/science/article/pii/S0307904X0800348X>
38. Ömer Civalek, Murat Gürses; **Free Vibration Analysis Of Rotating Cylindrical Shells** Using Discrete Singular Convolution Technique; International Journal of Pressure Vessels and Piping; 86/10/677-683; 2009, DOI: 10.1016/j.ijpvp.2009.03.011, WOS:000269598300005, <http://www.sciencedirect.com/science/article/pii/S0308016109000696>
39. Ömer Civalek; Book review: Nonlinear vibrations and stability of shells and plates, Marco Amabili. Cambridge University Press, New York (2008), Hard cover xvi +374 pp., 99\$, ISBN: 978-0-521-88329-0; International Journal of Pressure Vessels and Piping; 86/10/719-720; 2009, <http://www.sciencedirect.com/science/article/pii/S0308016109000635>
40. Hakan Ersoy, Lütfiye Özpolat, Ömer Civalek, Baki Öztürk; **Differential Quadrature Method for Frequency Analysis of Membranes Having Irregular Domains Using an Eight-Node Curvilinear Element**; Smart Structures and Systems; 5/5/587-590; 2009, WOS:000270286700006, [http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHFZ\\_2009\\_v5n5\\_587](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHFZ_2009_v5n5_587)
41. Ömer Civalek, Murat Gürses; Discrete Singular Convolution for Free Vibration Analysis Annular Membranes; Mathematical & Computational Applications; 14/2/131-138; 2009, WOS:000265362900005, <http://www.mdpi.com/2297-8747/14/2/131>
42. Murat Gürses, Ömer Civalek, Hakan Ersoy, Okyay Kiracioğlu; **Analysis Of Shear Deformable Laminated Composite Trapezoidal Plates**; Materials & Design; 30/8/3030-3035; 2009, DOI: 10.1016/j.matdes.2008.12.016, WOS:000267746800025, <http://www.sciencedirect.com/science/article/pii/S0261306908006195>



43. Ömer Civalek; Eigenvalues of Membranes Having Skew and Rhombic Geometry Using Discrete Singular Convolution Algorithm; Communications in Nonlinear Science and Numerical Simulations; 14/11/4003-4009; 2009, DOI: 10.1016/j.cnsns.2008.08.010, WOS:000266896800032, <http://www.sciencedirect.com/science/article/pii/S1007570408002906>
44. Hakan Ersoy, Lütfiye Özpolat, Ömer Civalek; Free Vibration of Circular and Annular Membranes with Varying Density by The Method of Discrete Singular Convolution,; Structural Engineering and Mechanics; 32/5/621-634; 2009, WOS:000268044400003, [http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9\\_2009\\_v32n5\\_621](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=KJKHB9_2009_v32n5_621)
45. Ömer Civalek, Baki Öztürk; Discrete Singular Convolution Algorithm for Non-Linear Transient Response of Circular Plates Resting on Winkler-Pasternak Elastic Foundations with Different Types of Dynamic Loading; Indian Journal of Engineering & Material Sciences; 16/4/259-268; 2009, WOS:000271964700007, [http://nopr.niscair.res.in/bitstream/123456789/6038/1/IJEMS%2016\(4\)%20259-268.pdf](http://nopr.niscair.res.in/bitstream/123456789/6038/1/IJEMS%2016(4)%20259-268.pdf)
46. Ömer Civalek; Use of Eight-Node Curvilinear Domains in Discrete Singular Convolution Method for Free Vibration Analysis of Annular Sector Plates with Simply Supported Radial Edges; Journal of Vibration and Control; 16/2/303-320; 2010, DOI: 10.1177/1077546309104190, WOS:000274189000007, <http://jvc.sagepub.com/content/early/2009/10/28/1077546309104190.abstract>
47. Ömer Civalek, Baki Öztürk; Free Vibration Analysis of Tapered Beam-Column with Pinned Ends Embedded in Winkler-Pasternak Elastic Foundation; Geomechanics and Engineering; 2/1/45-56; 2010, DOI : 10.12989/gae.2010.2.1.04, WOS:000208451100004, [http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=TTPHF\\_2010\\_v2n1\\_45](http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=TTPHF_2010_v2n1_45)
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## **PROJECTS**

1. Linear and Nonlinear Static/Dynamic analyses of plates and shells having different geometries and material properties resting on two-parameter foundations using Discrete singular convolution method, Project code: 2007.01.0102.001 Akdeniz University Scientific Research project Dept.-Completed-20.000\$.
2. Fast Damage Assessment Analysis of Reinforcement Concrete Buildings in Antalya by Artificial Intelligent Technique, Akdeniz University Scientific Research project Dept. (2009-2011)-Completed-40.000\$.
3. Mechanical modeling of micro-/nano-scaled systems using the higher-order continuum theories, Akdeniz University Scientific Research project Dept.(2011-2012)-Completed-9000\$.
4. TUBITAK (112M879), Modeling of micro/nano biomechanical and mechanical systems via higher-order elasticity theory, 2012-2014-Completed-25.000\$.
5. Investigation of parameters effects on free vibration behavior of shells, BAP, Akdeniz University Scientific Research project Dept. 2015-2016-Completed-35.000\$.
6. Size-dependent vibration and buckling analysis of boron nitride and silicon carbide nanotubes via continuum mechanic model, Akdeniz University Scientific Research project Dept., (2017-2018), 10.000\$.
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## **BOOKS AND REPORTS**

Finite Element analysis of plates and shells. Elazığ: Firat University, (in Turkish), 1998.

Static and Dynamic Analysis of Structures by the Method of Differential Quadrature, 2003. (Ph.D. Seminar Book), Firat University.

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## **EDITOR (ASSOCIATE EDITORS) and BOARD OF EDITOR**

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International Journal of Engineering and Applied Sciences (IJEAS)

### ***Editorial Board:***

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International Journal of Nonlinear Mechanics  
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Journal of Franklin Institute  
Nonlinear Dynamics  
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Composite Structures  
Thin Walled Structures  
Composite Part –B:ENG  
Nano  
Sensor Letters  
Finite Elements in Analysis and Design  
International Journal of Pressure Vessels and Piping  
Journal of Vibration and Control  
Journal of Computational and Applied Mathematics  
International Journal of Mechanical Sciences  
International Journal of Structural Stability and Dynamics  
European Journal of Mechanics/ A Solids  
Mechanics Research Communications  
Applied Mathematics and Computation  
Current Applied Physics

Structural Engineering and Mechanics  
International Journal of Numerical Methods for Heat & Fluid Flow  
Mechanics of Advanced Materials and Structures  
Computational Material Sciences  
Materials and Design  
Journal of Reinforced Plastics and Composites  
Journal of Sandwich Structures and Materials  
European Physical Journal - Applied Physics (EPJAP)  
Meccanica  
Physica E-Low Dimensional Systems and Nano Structures  
Computers and Mathematics with Applications  
Microelectronic Engineering  
Neural Computing and Applications  
Building and Environment  
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Steel and Composite Structures  
Advance in Engineering Software  
Indian Journal of Engineering and Material Sciences  
Wind and Structures  
Computers and Concrete  
KSCE Journal of Civil Engineering  
CLEAN - Soil, Air, Water  
Proc. Institution of Mech. Eng. Part C-J. Mechanical Engineering Science  
SADHANA  
Communications in Nonlinear Science and Numerical Simulation  
Archivum Mathematicum  
Advance in Vibration Engineering  
Scientia Iranica  
Abstract and Applied Analysis  
Canadian Society for Mechanical Engineering- Transaction  
Asian Journal of Scientific Research  
African Journal of Biotechnology  
Journal of Applied Sciences  
Iranian Journal of Science and Technology  
Tamkang Journal of Science and Engineering  
Advances in Acoustics and Vibration  
Journal of Applied Mathematics  
Trends in Applied Sciences Research  
The Journal for Engineering Research  
The Open Mechanics Journal  
International Journal of Science & Technology (IJST)  
Journal of Flood Engineering  
International Journal of Science and Technology Education Research  
Turkish Journal of Engineering and Environmental Sciences  
IMO Technical Journal-Turkish Society of Civil Engineering  
Many other of International and National Journals and Symposiums

#### **Publication encouragement award**

TUBITAK Scientific publication encouragement award (amongst 2004-2016) many times.  
Akdeniz University Scientific publication encouragement award (amongst 2004-2016) many times.

## **CONFERENCE and SYMPOSIUM ORGANIZATION**

The sixth International Advanced Technologies Symposium, 2011.

Meshless & Other Novel Computational Methods”, ICCES MM'11, 2011.

Bridges and Viyaducts Symposium, 2007.

Advance in Civil Engineering 2014.

Civil Engineering teaching symposium, 2015.