

Dr. Mehmet Hakkı OMURTAG



1. CURRICULUM VITAE

<i>Name</i>	Mehmet Hakkı Omurtag
<i>Present Address</i>	Istanbul Medipol University School of Engineering and Natural Sciences Department of Civil Engineering Beykoz 34810, İstanbul-Türkiye. e-mail : mhomurtag@medipol.edu.tr web : www.mehmetomurtag.com
<i>Date and Place of Birth</i>	April 8, 1954, İstanbul
<i>Citizenship</i>	Turkish Republic
<i>Marital status</i>	Married, two children

Academic Degrees

Ph.D.	June 1990	Istanbul Technical University (ITU) Faculty of Civil Engineering, Istanbul-Turkey
	Subject	“Mixed Finite Element Analysis of Stiffened Variable Cross-Sectional Cylindrical Shells”
M.Sc.	September 1980	Bosphorus University Faculty of Engineering, Department of Civil Engineering, Istanbul-Turkey
	Subject	“Comparison of Some Methods for the Analyses of Frame Shear Wall Systems”
B.Sc.	February 1978	Bosphorus University Faculty of Engineering, Department of Civil Engineering, Istanbul-Turkey

Academic Positions

2019-cont	Professor Dr.	School of Engineering and Natural Sciences, IMU, Istanbul-Turkey
2000-2019	Professor Dr.	Faculty of Civil Engineering, ITU, Istanbul-Turkey
1993-2000	Associate Professor Dr.	Faculty of Civil Engineering, ITU, Istanbul-Turkey
1991-1993	Assistant Professor Dr.	Faculty of Civil Engineering, ITU, Istanbul-Turkey
1990-1991	Teaching Assistant Dr.	Faculty of Civil Engineering, ITU, Istanbul-Turkey
1981-1990	Teaching Assistant	Faculty of Civil Engineering, ITU, Istanbul-Turkey

Administrative Assignment

2012-2019	Rector Consultant of ITU
2004-2008	Rector Consultant of ITU
2000-2001	Vice Director of Graduate School, ITU
1996-2000	Vice Director of Civil Engineering Department, Faculty of Civil Engng., ITU

CITATIONS

535 Citations, h=15 (Web of Science, September 2020)

2. LIST OF PUBLICATIONS

2.1. Published Books (In Turkish)

1. OMURTAG, M.H., **Strength of Materials – Vol 1**, 6th Ed, Birsen Publication, İstanbul 2018 (The Turkish Academy of Sciences award)
2. OMURTAG, M.H., **Strength of Materials – Vol 2**, 4th Ed., Birsen Publication, İstanbul 2018 (The Turkish Academy of Sciences award)
3. OMURTAG, M.H., **Strength of Materials (Solved Problems) Vol 1**, 5th Ed, Birsen Publication, İstanbul 2015
4. OMURTAG, M.H., **Strength of Materials (Solved Problems) Vol 2**, 4th Ed, Birsen Publication, İstanbul 2018
5. OMURTAG, M.H., **Statics**, 7th Ed, Birsen Publication, İstanbul 2019 (The Turkish Academy of Sciences award)
6. OMURTAG, M.H., **Statics (Solved Problems)**, 6th Ed., Birsen Publication, İstanbul 2018 (The Turkish Academy of Sciences award)
7. OMURTAG, M.H., **Statics-Strenght of Materials: Scalar Mechanics**, Birsen Publication, İstanbul, 2015
8. OMURTAG, M.H., **Statics-Strenght of Materials: Scalar Mechanics (Solved Problems)**, Birsen Publication, İstanbul, 2015
9. OMURTAG, M.H., **Beam Finite Elemets**, Birsen Publication, İstanbul 2010 (The Turkish Academy of Sciences award)
10. OMURTAG, M.H. and ERATLI N., **Beam Finite Elemets (Solved Problems)**, Birsen Publication, İstanbul 2010
11. OMURTAG, M.H., **Dynamics**, 3rd Ed., Birsen Publication, İstanbul 2015 (The Turkish Academy of Sciences award)
12. OMURTAG, M.H., **Dynamics (Solved Problems)**, 3rd Ed., Birsen Publication, İstanbul 2018 (The Turkish Academy of Sciences award)

EDITORIAL ACTIVITIES

13. 3rd *Turkish National Conference on Computational Mechanics*, Eds: BODUROĞLU, M.H., BAKİOĞLU, M. and OMURTAG, M.H., İstanbul-Turkiye, November 16-18, 1998.
14. 17th *National Mechanics Congress*, Eds: ENGİN H, OMURTAG M.H, DELALE C.F, ANTAR N, Elazığ-Turkiye, September 5-9, 2011.
15. 18th *National Mechanics Congress*, Eds: ENGİN H, OMURTAG M.H, DELALE C.F, ANTAR, Manisa-Turkiye, August 26-30, 2013.
16. 19th *National Mechanics Congress*, Eds: ENGİN H, OMURTAG M.H, DELALE C.F, ANTAR, Trabzon-Turkiye, August 24-28, 2015.
17. 20th *National Mechanics Congress*, Eds: OMURTAG M.H, AVEY A, YAHNİOĞLU N, ERATLI N, BARANOĞLU B, Bursa-Turkiye, September 05-09, 2017.

2.2. International Journals (SCI)

1. AKÖZ A.Y, OMURTAG M.H. and DOĞRUOĞLU A.N, The mixed finite element formulation for three dimensional bars, *Int. J. Solids Structures*, **28**, 225-234, 1991
2. OMURTAG M.H. and AKÖZ A.Y, Mixed finite element formulation of eccentrically stiffened cylindrical shells, *Comput. & Structures*, **42**(5), 751-768, 1992
3. OMURTAG M.H. and AKÖZ A.Y, The mixed finite element solution of the helical beams with variable cross section under arbitrary loading, *Comput. & Structures*, **43**(2), 325-331, 1992
4. OMURTAG M.H. and AKÖZ A.Y, A compatible cylindrical shell element for stiffened cylindrical shells in mixed finite element formulation, *Comput. & Structures*, **49**(2), 363-370, 1993
5. OMURTAG M.H. and AKÖZ A.Y, Hyperbolic paraboloid shell analysis via mixed finite element formulation, *Int. J Numer. Methods Eng.*, **37**, 3037-3056, 1994
6. OMURTAG M.H. and AKÖZ A.Y, Isoparametric mixed finite element formulation of orthotropic cylindrical shells, *Comput. & Structures*, **55**(5), 915-924, 1995
7. OMURTAG M.H, ÖZÜTOK A, AKÖZ A.Y. and ÖZÇELİKÖRS Y, Free vibration analysis of kirchhoff plates resting on elastic foundation by mixed finite element formulation based on Gâteaux differential, *Int. J Numer. Methods Eng.*, **40**, 295-317, 1997

8. ÖZÇELİKÖRS Y, OMURTAG M.H. and DEMİR H, Analysis of orthotropic plate-foundation interaction by mixed finite element formulation using gâteaux differential, *Computers & Structures*, **62**(1), 93-106, 1997
9. OMURTAG M.H. and KADIOĞLU F, Free vibration analysis of orthotropic plates resting on pasternak foundation by mixed finite element formulation, *Comput. & Structures*, **67**, 253-265, 1998
10. ARTAN R. and OMURTAG M.H, Two plane punches on a nonlocal elastic half plane, *I.J. Engng. Science*, **38**, 395-403, 2000
11. BAŞAR Y. and OMURTAG M.H, Free-vibration analysis of thin/thick laminated structures by layer-wise shell models, *Comput. & Structures*, **74**, 409-427, 2000
12. DOĞRUOĞLU A.N, and OMURTAG M.H, Stability analysis of composite-plate foundation interaction by mixed FEM, *ASCE, J. Engng. Mechanics*, **126**(9), 928-936, 2000
13. OMURTAG M.H. and ÇELİK M., Determination of the Vlasov foundation parameters-quadratic variation of elasticity modulus - Using FE Analysis, *Struct. Engng. Mech.*, **19**(6), 619-637, 2005
14. SAYGUN A, OMURTAG M.H. ORAKDOĞEN E, GİRGIN K, KÜÇÜKARSLAN S. and DARILMAZ K, A Simplified solution of the torsional rigidity of the composite beams by using FEM, *Advances in Struct. Engng.*, **10**(5), 467-473, 2007
15. UĞURLU B, KUTLU A, ERGİN A. and OMURTAG M.H, Dynamics of a rectangular plate resting on an elastic foundation and partially in contact with a quiescent fluid, *Journal of Sound and Vibration*, **317**(1-2), 308–328, 2008
16. SOFİYEY. A, OMURTAG M.H, and SCHNACK E, The vibration and stability of orthotropic conical shells with non-homogeneous material properties under a hydrostatic pressure, *Journal of Sound and Vibration, Journal of Sound and Vibration*, 319, 963-983, 2009.
17. ORAKDOĞEN E, KÜÇÜKARSLAN S, SOFİYEY A. and OMURTAG M.H, Finite element analysis of functionally graded plates for coupling effect of extension and bending, *Meccanica*, **45**, 63-72, 2010
18. AKSOYLAR C, ÖMERCİKOĞLU A, MECİTOĞLU Z. and OMURTAG M.H, Nonlinear Transient analysis of FGM and FML plates under blast loads by experimental and mixed FE methods, *Composite Structures*, **94**(2), 731-744, 2012
19. KUTLU A, UĞURLU B, OMURTAG M.H and ERGİN A, Dynamic Response of Mindlin Plates Resting on Arbitrarily Orthotropic Pasternak Foundation and Partially in Contact with Fluid, *Ocean Engineering*, **42**, 112-125, 2012
20. KUTLU A and OMURTAG M.H., Large deflection analysis of elliptic plates on orthotropic elastic foundation with mixed finite element method, *International Journal of Mechanical Sciences*, **65**, 64-74, 2012
21. SOFİYEY A, DENİZ A, AVCAR M, ÖZYİĞİT P. and OMURTAG M.H., Effects of the non-homogeneity and elastic medium on the critical torsional load of the orthotropic cylindrical shell, *ACTA Physica Polonica A*, **123**(4), 2013
22. ERATLI N, ARGESO H, ÇALIM F, TEMEL B and OMURTAG M.H., Dynamic analysis of linear viscoelastic cylindrical and conical helicoidal rods using the mixed FEM, *Journal of Sound and Vibration*, **333**, 3671-3690, 2014
23. KUTLU A, MESCHKE G and OMURTAG M.H., A new mixed finite element approach for the elasto-plastic analysis of Mindlin plates, *Journal of Engineering Mathematics*, **99**, 137-155, 2016
24. YILMAZ M and OMURTAG M.H., Large deflection of 3D curved rods: An objective formulation with principal axes transformations, *Computers & Structures*, **163**, 71–82, 2016
25. ERATLI N, YILMAZ M, DARILMAZ K and OMURTAG M.H., Dynamic analysis of helicoidal bars with non-circular cross-sections via mixed FEM, *Struct. Engng. Mech.*, **57**(2), 221-238, 2016
26. ERMİŞ M, ERATLI N, ARGESO H, KUTLU A. and OMURTAG M.H., Parametric Analysis of Viscoelastic Hyperboloidal Helical Rod, *Advances in Structural Engineering*, **19**(9), 1420-1434, 2016
27. ERMİŞ M and OMURTAG M.H., Static and Dynamic Analysis of Conical Helices Based on Exact Geometry via Mixed FEM, *International Journal of Mechanical Sciences*, **131–132**, 296–304, 2017.
28. KUTLU A, UĞURLU B and OMURTAG M.H., A Combined Boundary-Finite Element Procedure for Dynamic Analysis of Plates with Fluid and Foundation Interaction Considering Free Surface Effect, *Ocean Engineering*, **145**, 34-43, 2017
29. ARIBAS Ü, ERMİŞ M, ERATLI N and OMURTAG M.H, The Static and Dynamic Analyses of Warping Included Composite Exact Conical Helix By Mixed FEM, *Composites Part B*, **160**, 285-297, 2019.
30. ARIBAS Ü, ERMİŞ M, KUTLU A, ERATLI N and OMURTAG MH, Forced vibration analysis of composite-geometrically exact elliptical cone helices via mixed FEM, *Mechanics of Advanced Materials and Structures*, (accepted for publication), 2020

31. ÇÖMEZ İ, ARIBAS U, KUTLU A and OMURTAG MH, Exact Elasticity Solution for Monoclinic Functionally Graded Beams, *Arabian Journal for Science and Engineering*, (accepted for publication), 2021

2.2. International Journals (other indexes)

32. ERATLI N, ERMİŞ M, and OMURTAG MH, Free vibration analysis of helicoidal bars with thin-walled circular tube cross-section via mixed finite element method, *Sigma J Eng & Nat Sci*, 33, 200-218, 2015.
33. ERMIS M., ARIBAS U.N., ERATLI N. and OMURTAG M.H., 2017, Static and Free Vibration Analysis of Composite Straight Beams on the Pasternak Foundation, *WSEAS Transactions on Applied and Theoretical Mechanics*, E-ISSN: 2224-3429, 12, 113-118, 2017
34. ERMIS M., KUTLU A., ERATLI N. and OMURTAG M.H., The Dynamic Analysis of a Linear Viscoelastic Planar Elliptical Beam, *Sigma J Eng & Nat Sci*, (Special Issue_XX. Ulusal Mekanik Kongresi 2017), 9(2), 157-168, 2018.
35. ARIBAŞ Ü.N., ERMİŞ M., KUTLU A., ERATLI N. and OMURTAG M.H., Forced vibration analysis of warping considered curved composite beams resting on viscoelastic foundation, *Gazi University Journal of Science*, 31(4), 1093-1105, 2018.
36. ARIBAS U.N., ERMIS M., KUTLU A., ERATLI N. and OMURTAG M.H., Elastically Damped Transient Response of Axially FG Straight Beams, *International Journal of Theoretical and Applied Mechanics*, ISSN: 2367-8992, 4, 19-25, 2019.
37. ARIBAŞ Ü.N. and OMURTAG M.H., The Static Response of Sandwich Exact Conical Helices via MFEM, *Journal of Structural Engineering & Applied Mechanics*, 2(4), 153-163, 2019.
38. KUTLU A. and OMURTAG M.H., Buckling of rectangular fsdt plates resting on orthotropic foundation by mixed fem, *Sigma J Eng & Nat Sci*, 38 (2), 659-666, 2020.

2.3. National Journals (Extended abstracts in English)

39. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element formulation of cylindrical shells of varying cross-section, *Technical Journal, Turkish Chamber of Civil Engineers*, 3, 156-162, 1992
40. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element formulation of three dimensional straight and circular bars, *Technical Journal, Turkish Chamber of Civil Engineers*, 3, 171-175, 1992
41. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element formulation of eccentrically stiffened cylindrical shells, *Technical Journal, Turkish Chamber of Civil Engineers*, 3, 186-195, 1992
42. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element solution of helical beams with variable cross-section under arbitrary loading, *Technical Journal, Turkish Chamber of Civil Engineers*, 4, 211-213, 1993
43. OMURTAG M.H. and AKÖZ A.Y, A new mixed finite element solution for thin cylindrical hollow shells, *Bulletin of the Technical University of Istanbul*, 46(4), 497-519, (1993).
44. OMURTAG M.H, ÜNLÜ A, and AKÖZ A.Y, A compatible cylindrical shell element for stiffened cylindrical shells in a mixed finite element formulation, *Technical Journal, Turkish Chamber of Civil Engineers*, 6, 309-319, 1995
45. OMURTAG M.H, and AKÖZ A.Y, Mixed finite element analysis of hyperbolic paraboloid shells using Gâteaux differential, *Technical Journal, Turkish Chamber of Civil Engineers*, 7, 375-380, 1996
46. OMURTAG M.H, and AKÖZ A.Y, Mixed finite element solution of variable cross-sectional hyperbolic paraboloidal shells, *Technical Journal, Turkish Chamber of Civil Engineers*, 7, 403-405, 1996
47. DOĞRUOĞLU A.N, OMURTAG M.H, and KADIOĞLU F, Dynamic and stability analysis of plate-elastic foundation systems via mixed FE, *Technical Journal, Turkish Chamber of Civil Engineers*, 10, 571-576, 1999
48. OMURTAG M.H, Tabakalı kompozit plakların karışık SEM ile statik analizi, *TMMOB İnşaat Mühendisleri Odası, Teknik Dergi*, 12(1), 2317-2330, 2001
49. GİRGIN K, OLGUN O, DARILMAZ K, and OMURTAG M.H, Dynamic analysis of cylindrical and conical helices by MFE, *Journal of Turkish Chamber of Civil Engineers (Technical Journal-Digest 2006)*, 17, 1113, 2006

2.4. National Journals (full text)

50. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element formulation of cylindrical shells with variable thickness, *Technical Journal, Turkish Chamber of Civil Engineers*, **3**(3), 539-554, 1992
51. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element formulation of straight and circular bars, *Technical Journal, Turkish Chamber of Civil Engineers*, **3**(4), 565-574, 1992
52. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element solution of stiffened cylindrical shells, *Technical Journal, Turkish Chamber of Civil Engineers*, **3**(4), 585-599, 1992
53. AKÖZ A.Y, and OMURTAG M.H, Mixed finite element formulation of variable cross-sectional helicoidal bars, *Technical Journal, Turkish Chamber of Civil Engineers*, **4**(2), 661-673, 1993
54. OMURTAG M.H, ÜNLÜ A, and AKÖZ A.Y, A compatible cylindrical shell element for stiffened variable cross-sectional cylindrical shells with a hole, *Technical Journal, Turkish Chamber of Civil Engineers*, **6**(3), 993-1006, 1995
55. OMURTAG M.H, and AKÖZ A.Y, Mixed finite element formulation of hyperbolic paraboloid shells by using Gâteaux differential, *Technical Journal, Turkish Chamber of Civil Engineers*, **7**(2), 1201-1215, 1996
56. OMURTAG M.H, and AKÖZ A.Y, Variable cross-sectional hyperbolic paraboloidal shell solutions by mixed finite element method, *Technical Journal, Turkish Chamber of Civil Engineers*, **7**(4), 1295-1304, 1996
57. OMURTAG M.H, A new mixed finite element modeling for hyperbolic paraboloidal shells, *Technical Journal, Turkish Chamber of Civil Engineers*, **9**(4), 1763-1780, 1998
58. DOĞRUOĞLU A.N, OMURTAG M.H, and KADIOĞLU F., Mixed finite element formulation for the stability and free vibration analysis of plate foundation interaction, *Technical Journal, Turkish Chamber of Civil Engineers*, **10**(1), 1891-1908, 1999
59. OMURTAG M.H, Static analysis of layered composites by mixed FEM, *Technical Journal, Turkish Chamber of Civil Engineers*, **12**(1), 2317-2330, 2001
60. GİRGIN K, OLGUN O, DARILMAZ K, and OMURTAG M.H, Dynamic analysis of cylindrical and conical helicoidals by mixed FEM, *Technical Journal, Turkish Chamber of Civil Engineers*, **17**(4), 4003-4023, 2006
61. AKSOYLAR C. and OMURTAG M.H, Dynamic analysis of plates under blast load by mixed FEM, *Technical Journal, Turkish Chamber of Civil Engineers*, **22**(4), 5689-5712, 2011
62. KUTLU A. and OMURTAG M.H., Non-linear analysis of laminated Mindlin plate by mixed finite element method, *SIGMA Journal of Engineering and natural Sciences*, **31**, 298-306, 2013

2.5. International Conference Contributions

63. ÇELİK M. and OMURTAG M.H, Determination of Vlasov foundation parameters for plate-elastic foundation interaction by FEM, *Advances in Civil Engineering (ACE 2004)*, İstanbul, Vol. 1, 286-295, 2004
64. KUTLU A, AKSOYLAR C, ÇELİK M, and OMURTAG M.H, Determination of Vlasov parameters for Mindlin plates resting on elastic foundation, *Advances in Civil Engineering (ACE 2006)*, İstanbul 11-13 Ekim, ACE06-634, 2006
65. GİRGIN K, and OMURTAG M.H, Free vibration analysis of helicoidal bars by Mixed FEM, *Advances in Civil Engineering (ACE 2006)*, İstanbul 11-13 Ekim, ACE06-064, 2006
66. AKSOYLAR C, and OMURTAG M.H, Non-Linear Dynamic Analysis of Composite Plates with Mixed FEM, *International Symposium of on Engineering an Architectural Sciences of Balkan, Caucasus and Turkic Republics*, 1-7, Isparta, 2009
67. KUTLU A, and OMURTAG M.H, Free Vibration of Mindlin Plates interaction with Arbitrarily Orthotropic Two Parameter Foundation, *International Symposium of on Engineering an Architectural Sciences of Balkan, Caucasus and Turkic Republics*, 118-122, Isparta, 2009
68. ARGESO H, ERATLI N, ÇALIM F.F, ARIBAŞ Ü.N. and OMURTAG M.H, *Analysis of viscoelastic conical helixes via mixed finite element method*, *International Symposium on "Advances in Applied Mechanics and Modern Information Technology 2011" (AAM&MIT'11)*, 102-106, Baku, 2011
69. KUTLU A, ARIBAŞ Ü.N, KARAYIĞIT H. and OMURTAG M.H, *Flexure of the Moderately Thick Elliptic Plates on Arbitrarily Orthotropic Elastic Foundation*, *International Symposium on "Advances in Applied Mechanics and Modern Information Technology 2011" (AAM&MIT'11)*, 210-214, Baku, 2011
70. ARIBAŞ Ü.N, and OMURTAG M.H, *Mixed FE Analysis of Viscoelastic Cylindrical Helixes*, *2nd International Advances in Applied Physics and Material Sciences Congress*, 307, April 26-29, Antalya, 2012
71. SOFIEV A.H., DENİZ A., AVCAR M., ÖZYİĞİT P., TUĞLU M., OMURTAG M.H., *Effects of the non-homogeneity and elastic medium on the critical torsional load of the orthotropic cylindrical shell*, *2nd International Advances in Applied Physics and Material Sciences Congress*, 72, April 26-29, Antalya, 2012

72. KUTLU A, UĞURLU B, OMURTAG M.H and ERGİN A, Natural frequencies of elliptical fluid storage tanks supported by elastic foundation, ACE06-1229, İstanbul, 2014
73. ERMİŞ M., ERATLI N. and OMURTAG M.H., Static and dynamic analysis of elastic cylindrical helices with arbitrary cross-sections by using the mixed finite element method, 11th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21-25 October 2014.
74. ERMİŞ M., ERATLI N., ARGESO H., ÇALIM F.F. and OMURTAG M.H., Quasi-static and dynamic analyses of viscoelastic conical helices with a squared box cross-section, 11th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21-25 October 2014.
75. ERATLI N, ARGESO H and OMURTAG M.H., The Effects of Viscous Bulk Compressibility for Noncylindrical Helices, Proc. of the 2nd International Conference on Advances in Civil, Structural and Construction Engineering – CSCE 2015, pp.1-5,18-19 April, 2015.
76. ERMİŞ M, ERATLI N. and OMURTAG M.H., The influence of the rotary inertia on the dynamic behavior of viscoelastic non-cylindrical helicoidal bars, 11th International Conference of Computational Methods in Sciences and Engineering- ICCMSE, 20-23 March 2015, Athens, Greece, 2015.
77. ERMİŞ M, ARGESO H, ERATLI N. and OMURTAG M.H., The Effects of Viscous Bulk Compressibility for Cantilevered Cylindrical Helices, The International Conference on Civil and Environmental Engineering-ICOCEE, 20-23 May 2015, pp.1687-1693, Cappadocia, Turkey, 2015.
78. ERMİŞ M, ERATLI N, ARGESO H, KUTLU A and OMURTAG MH, The effects of the viscosity parameters on the barrel type helical rod, The 2015 World Congress on Advances in civil, Environmental, and Materials Research, Incheon, Korea, 2015.
79. ERMİŞ M, ERATLI N and OMURTAG MH, The dynamic responses of a viscoelastic conical helical rod, The 2015 World Congress on Advances in civil, Environmental, and Materials Research, Incheon, Korea, 2015.
80. ERMİŞ M, ERATLI N and OMURTAG MH, The effect of the impulsive dynamic loads on the barrel type helicoidal bars, 3rd Polish Congress of Mechanics & 21st Computer Methods in Mechanics, Gdansk, Poland, 2015.
81. KUTLU A and OMURTAG M.H., Elastoplastic solution of circular plates through a two field mixed finite element formulation, 12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21-23 September 2016.
82. KUTLU A, UĞURLU B and OMURTAG M.H., Vibration analysis of elastic thin bottom plates of rigid fluid storage tanks resting on Pasternak foundation, 12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21-23 September 2016.
83. ERMİŞ M, YILMAZ M, ERATLI N and OMURTAG M.H., Static and Dynamic Analysis of Hyperboloidal Helix Having Thin Walled Open and Close Sections, 18th International Conference on Civil and Environmental Engineering - ICCEE 2016, September 5-6, Tokyo, Japan, 2016.
84. ERMİŞ M, KUTLU A, ERATLI N and OMURTAG M.H., Free Vibration Analysis of Conical Helicoidal Rods Having Elliptical Cross Sections Positioned in Different Orientation, 18th International Conference on Civil and Environmental Engineering - ICCEE 2016, September 5-6, Tokyo, Japan, 2016.
85. ERMİŞ M, KUTLU A, ERATLI N and OMURTAG M.H., The effect of viscoelastic material parameter regarding standard model on the conical helicoidal rod, The 2016 World Congress on Advances in Civil, Environmental, and Materials Research - ACEM16/Structures16, August 28 - September 1, Jeju Island, Korea, 2016.
86. ERMİŞ M, YILMAZ M, ERATLI N and OMURTAG M.H., Static and dynamic analysis of non-circular helicoidal bars with cruciform cross-sections via mixed FEM, The 2016 World Congress on Advances in Civil, Environmental, and Materials Research - ACEM16/Structures16, August 28 - September 1, Jeju Island, Korea, 2016.
87. ARIBAŞ Ü.N., KUTLU A and OMURTAG M.H., Static analysis of moderately thick, composite, circular rods via mixed FEM, World Congress on Engineering 2016, London, U.K., 29 June-1 July 2016.
88. ARIBAŞ Ü.N., ERATLI N and OMURTAG M.H., Free vibration analysis of moderately thick, sandwich, circular beams, World Congress on Engineering 2016, London, U.K., 29 June-1 July 2016.
89. ARIBAŞ Ü.N., YILMAZ M., ERATLI N. and OMURTAG M.H., Static and free vibration analysis of planar curved composite beams on elastic foundation, 8th International Conference on Theoretical and Applied Mechanics (TAM'17), Brasov-Romania, vol.2, pp.35-42, June 27-29, 2017.
90. ERMİŞ M., ARIBAŞ Ü.N., ERATLI N. and OMURTAG M.H., Static and free vibration analysis of composite straight beams on the Pasternak foundation, 10th International Conference on Finite

Differences, Finite Elements, Finite Volumes, Boundary Elements (F-and-B'17), Barcelona-Spain, vol.12, pp.113-122, May 10-12, 2017

91. KUTLU A, ERMIŞ M, ERATLI N, and OMURTAG M.H., Forced vibration of a planar curved beam on Pasternak Foundation, ICSM 2017: 19th International Conference on Structural Mechanics, 19 (7), 2640-2644, Istanbul, July 27-28, 2017.
92. ERMIS M., ARIBAS U.N., ERATLI N. and OMURTAG M.H., Forced Vibration Analysis of a Planar Elliptical Beam, 16th European Conference on Earthquake Engineering/16ECEE, June 18-21, Thessaloniki, Greece, 2018.
93. ERMIS M., AYHAN B., KUTLU A., ERATLI N. and OMURTAG M.H., The Comparison of Exact and Approximate Geometry of Conical Helix Over Static and Dynamic Analysis, 13th International Congress on Advances in Civil Engineering - ACE 2018, September 12-14, Izmir, Turkey, 2018.
94. ERMIS M., ARIBAS U.N., KUTLU A., ERATLI N. and OMURTAG M.H., Free Vibration Analysis of Axially FG Straight Beam by Mixed FEM, International Civil Engineering and Architecture Conference 2019/ICEARC'19, April 17-20, Trabzon, Turkey, 2019.
95. ARIBAS U.N., ERMIS M., KUTLU A., ERATLI N. and OMURTAG M.H., The Warping Effect on the Structural Response of Sandwich Exact Conical Rods, International Civil Engineering and Architecture Conference 2019/ICEARC'19, April 17-20, Trabzon, Turkey, 2019.
96. ERMIŞ M., ARIBAŞ Ü.N., KUTLU A., ERATLI N. and OMURTAG M.H., Forced Vibration Analysis of Axially FG Straight Beams By Mixed FEM, IV. Eurasian Conference on Civil and Environmental Engineering (IV. ECOCEE), June 17-18, İstanbul, Turkey, 2019.
97. ARIBAŞ Ü.N., ERMIŞ M., KUTLU A., ERATLI N. and OMURTAG M.H., Elastically Damped Transient Response of Axially FG Straight Beams, 12th International Conference on Finite Differences, Finite Elements, Finite Volumes, Boundary Elements (F-AND-B 19), 24-28 May, Roma, Italy, 2019.

2.5. National Conference Contributions (In Turkish)

98. OMURTAG M.H, and AKÖZ A.Y, Finite element formulation of orthotropic cylindrical shells, *VIIth National Mechanics Conference*, 421-430, Antalya-Turkiye, 1991
99. OMURTAG M.H, and AKÖZ A.Y, Mixed Finite element formulation of hyperbolic paraboloid shells, *VIIIth National Mechanics Conference*, 468-477, Antalya-Turkiye, 1993
100. OMURTAG M.H, ÖZÇELİKÖRS Y, ÖZÜTOK A and AKÖZ A.Y, Mixed finite element of analysis of plates resting on elastic foundation by Gâteaux Differential, *IXth National Mechanics Conference*, 2, 502-511, Ürgüp-Turkiye, 1995
101. OMURTAG M.H, ÖZÜTOK A, ÖZÇELİKÖRS Y and AKÖZ A.Y, Free vibration analysis of plates resting on elastic foundation by mixed finite elements, *IXth National Mechanics Conference*, 2, 512-521, Ürgüp-Turkiye, 1995
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3. RESEARCH PROJECTS

3.1. International - Joint Projects

Project: "Nonlinear dynamic analysis of laminated composite shells under seismic loads by FE method"

Supported by : KFA Jülich GmbH (Germany)

Approved by : The Scientific and Technological Research Council of Turkey (TÜBİTAK-Turkey)

Director : Prof.Dr. Yavuz Başar (RUB-Germany)

Prof.Dr. Yalçın Aköz (İTÜ-Turkey)
Assoc.Prof.Dr. Mehmet H. Omurtag (İTÜ-Turkey)
Duration : 1996-1998

Project: "Damage Analysis in Multi-layered Shell Structure Elastic Foundation Interaction for Seismic Problems"

Supported by : KFA Jülich GmbH (Germany)
Approved by : The Scientific and Technological Research Council of Turkey (TÜBİTAK-Turkey)
Director : Prof.Dr. Yavuz Başar (RUB-Germany)
Prof.Dr. Mehmet H. Omurtag (İTÜ-Turkey)
Duration : 2000-2002

3.2. National

Project: "Nonlinear dynamic behavior of nonhomogenous/heterogeneous plates under blast loading with finite elements"

Approved by : The Scientific and Technological Research Council of Turkey (TÜBİTAK-Turkey)
Director : Prof.Dr. Mehmet H. Omurtag
Coworker : Prof.Dr. Zahit Mecitoğlu
Duration : 2007-2009

Project: "Analysis of noncylindrical, variable cross-sectional viscoelastic helicoidal bars with Mixed FEM"

Approved by : The Scientific and Technological Research Council of Turkey (TÜBİTAK-Turkey)
Director : Prof.Dr. Mehmet H. Omurtag
Coworkers : Asoc.Prof.Dr. Nihal Eratı
Asoc.Prof.Dr. Faruk Çalım
Asist.Prof.Dr. Hakan Argeşo
Duration : 2011-2014

Project: "The solution of the nonlinear dynamic buckling and vibration problems of laminated truncated conical shells containing functionally graded layers subjected to time dependent axial loads"

Supported by : The Scientific and Technological Research Council of Turkey (TÜBİTAK-Turkey)
Director : Prof.Dr. Abdullah Avey
Coworker : Prof.Dr. Mehmet H. Omurtag
Duration : 2008-2010

Project: "Stability analysis of composite laminated plates and shells by mixed FE method"

Supported by : Resarch Fund of İstanbul Technical University.
Director : Assoc.Prof.Dr. Mehmet H. Omurtag
Coworker : Dr. Ali N. Doğruoğlu
Duration : 1998-2000

5. AWARDS

1. DAAD (Deutscher Akademischer Austausch Dienst) Scholarship (July-August 1999)
2. The Turkish Academy of Science, "Higher Education Text Book Award 2008"
3. The Turkish Academy of Science, "Higher Education Text Book Award 2009"
4. The Turkish Academy of Science, "Higher Education Text Book Award 2011"
5. The Turkish Academy of Science, "Higher Education Text Book Award 2013"