

Asst. Prof. MUKADDES ÖKTEN TURACI

Personal Information

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Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Uygulamalı Matematik, Turkey 2011 - 2016

Post Graduate, Pamukkale Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Turkey 2008 - 2010

Under Graduate, Pamukkale University, Matematik, Turkey 2004 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Diferansiyel denklemlerin zaman ayrıklaştırması ile sayısal çözümleri üzerine, Ege Üniversitesi, İngiliz Dili ve Edebiyatı, Uygulamalı Matematik, 2016

Post Graduate, Ağırlıklı kalanlar yöntemi ve bazı uygulamaları, Pamukkale Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2010

Research Areas

Mathematics, Differential Equations, Combinatorics, Numerical Analysis, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Karabük Üniversitesi, Yenice Myo, Bilgisayar Teknolojileri , 2018 - Continues

Assistant Professor, Karabük Üniversitesi, Yenice Myo, Bilgisayar Teknolojileri , 2017 - 2018

Research Assistant PhD, Karabük Üniversitesi, Fen Fakültesi, Matematik, 2016 - 2017

Research Assistant, Ege University, Fen Fakültesi, Matematik, 2011 - 2016

Research Assistant, Karabük Üniversitesi, Fen Fakültesi, Matematik, 2010 - 2011

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

- I. **A sixth-order improved Runge-Kutta direct method for special third-order ordinary differential equations**
ÖKTEN TURACI M., Ozdemir M.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, 2020 (Journal Indexed in SCI)
- II. **Numerical computation of wetting angles of Sn-(3-x)Ag-0.5Cu-x(Bi,In) quaternary Pb-free solder alloy systems on Cu substrate**

- Erer A. M., Ökten Turacı M.
International Journal Of Modern Physics C, vol.31, pp.2050119, 2020 (Journal Indexed in SCI Expanded)
- III. **On vertex and edge eccentricity-based topological indices of a certain chemical graph that represents bidentate ligands**
ÖKTEN TURACI M.
Journal of Molecular Structure, vol.1207, 2020 (Journal Indexed in SCI Expanded)
- IV. **On explicit two-derivative two-step Runge-Kutta methods**
ÖKTEN TURACI M., Ozis T.
COMPUTATIONAL & APPLIED MATHEMATICS, vol.37, pp.6920-6954, 2018 (Journal Indexed in SCI)
- V. **Derivation of three-derivative Runge-Kutta methods**
Turacı M., Ozis T.
Numerical Algorithms, vol.74, pp.247-265, 2017 (Journal Indexed in SCI Expanded)
- VI. **The edge eccentric connectivity index of hexagonal cactus chains**
Turacı T., Ökten M.
Journal of Computational and Theoretical Nanoscience, vol.12, pp.3977-3980, 2015 (Journal Indexed in SCI Expanded)
- VII. **Vulnerability of Mycielski graphs via residual closeness**
Turacı T., Ökten M.
Ars Combinatoria, vol.118, pp.419-427, 2015 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **On Exponential Edge Domination Number of a Graph**
AYTAÇ A., ÖKTEN TURACI M.
Romanian Journal of Mathematics and Computer Science, vol.9, pp.87-93, 2019 (Refereed Journals of Other Institutions)
- II. **The Values of Eccentricity-Based Topological Indices of Diamond Graphs**
ÖKTEN TURACI M.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.285-289, 2018 (Refereed Journals of Other Institutions)
- III. **A NOTE ON EXPLICIT THREE DERIVATIVE RUNGE KUTTA METHODS ThDRK**
ÖKTEN TURACI M., ÖZİŞ T.
BULLETIN OF THE INTERNATIONAL MATHEMATICAL VIRTUAL INSTITUTE, vol.5, pp.65-72, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Computing Some Eccentricity-Based Topological Indices of Line graphs of Dutch Windmill Graphs**
ÖKTEN TURACI M.
3rd International E-Conference on Mathematical Advances and Applications(ICOMAA 2020), 24 - 27 June 2020
- II. **Runge-Kutta-Nystrom Method Based On Arithmetic Mean for Solving Special Second Order Ordinary Differential Equations**
ÖKTEN TURACI M.
International Conference on Mathematics and Its Applications in Science and Engineering(ICMASE 2020), 9 - 10 July 2020
- III. **Otonom diferansiyel denklemlerin yüksek türevli 4. Mertebe Runge-Kutta yöntemi ile çözümü**
ÖKTEN TURACI M., ÖZİŞ T.
MATDER 13. Ulusal Matematik Sempozyumu, Turkey, 15 - 17 May 2014
- IV. **On the solution of differential equations with three-derivative Runge-Kutta methods**

ÖKTEN TURACI M., ÖZİŞ T.

International Conference on Mathematics and Mathematics Education (ICMME-2016), 12 - 14 May 2016

V. **Step size bounds for multiderivative Runge-Kutta methods with reduced number of function evaluations**

ÖKTEN TURACI M., ÖZİŞ T.

Karatekin Mathematics Days 2014 (KMD-2014), 11 - 13 June 2014

Scientific Refereeing

Applied Mathematics and Computation , SCI Journal, June 2018

Journal of Applied Mathematics and Computational Mechanics , Other Indexed Journal, August 2017

International Journal of Foundation of Computer Science , SCI Journal, May 2017

TWMS Journal of Applied and Engineering Mathematics , Other Indexed Journal, April 2017

Citations

Total Citations (WOS):4

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