

Assoc. Prof. YUSUF PANDIR

Personal Information

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2005 - 2012

Postgraduate, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Fırat University, Faculty Of Arts And Sciences, Matematik Pr., Turkey 1993 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kapak ile sürülen dikdörtgenel kavite'xxdeki akışların çatallanmalarına Reynolds sayısının etkisi, Erciyes University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2012

Postgraduate, Hurwitz probleminin çözümü üzerine, Celâl Bayar Üniversitesi, Fen Bilimleri Enstitüsü, Uygulamalı Matematik (YI) (Tezli), 2001

Research Areas

Mathematics, Computer Science, Differential Equations, Integral Equations, Integral Transformations, Computational Calculation, Partial Differential Equations, Numerical Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2018 - Continues

Lecturer PhD, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2013

Lecturer, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2006 - 2012

Lecturer, Erciyes University, Fen Fakültesi, Matematik Bölümü, 2001 - 2006

Academic and Administrative Experience

Yozgat Bozok University, 2014 - 2020

Yozgat Bozok University, 2008 - 2013

Courses

DİFERANSİYEL DENKLEMLER I, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2021 - 2022
PROGRAMLAMA DİLLERİ I, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
UZMANLIK ALAN DERSİ I, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
PROGRAMLAMA DİLLERİ II, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
İLERİ NÜMERİK ANALİZ I, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
İLERİ NÜMERİK ANALİZ II, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
DİFERANSİYEL DENKLEMLER TEORİSİ I, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
TEZ ÇALIŞMASI, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
UZMANLIK ALAN DERSİ II, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
DİFERANSİYEL DENKLEMLER TEORİSİ II, Postgraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
DİFERANSİYEL DENKLEMLER II, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2019 - 2020
YÜKSEK MATEMATİK II, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
Matematik, Associate Degree, 2016 - 2017
YÜKSEK MATEMATİK I, Undergraduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017

Advising Theses

Pandır Y., Üstel fonksiyon yöntemiyle tam çözümlerin bulunması, Postgraduate, A.ELİAÇIK(Student), 2021
Pandır Y., Kısmi türevli diferansiyel denklemlerin Hirota yöntemiyle incelenmesi, Postgraduate, İ.ŞAHİN(Student), 2021
PANDIR Y., Tam diskriminant sistem yöntemiyle kısmi türevli diferansiyel denklemlerin incelenmesi, Postgraduate, İ.YAĞAN(Student), 2020
PANDIR Y., Kesirsel mertebeden kısmi türevli diferansiyel denklemlerin kudryashov yöntemiyle incelenmesi, Postgraduate, S.ORHAN(Student), 2020
PANDIR Y., Kısmi türevli diferansiyel denklemlerin Kudryashov yöntemiyle incelenmesi, Postgraduate, S.EREN(Student), 2019
PANDIR Y., Deneme denklem yönteminin yeni versiyonlarının incelenmesi, Postgraduate, A.EKİN(Student), 2019
PANDIR Y., Yeni versiyon geliştirilmiş (G'/G) yönteminin incelenmesi, Postgraduate, M.ÖKDEM(Student), 2019
PANDIR Y., Kısmi türevli diferansiyel denklemlerin deneme denklem yöntemiyle çözümleri, Postgraduate, T.AĞIR(Student), 2019
PANDIR Y., Kesirli kısmi türevli diferansiyel denklemlerin yarı analitik yöntemlerinin incelenmesi, Postgraduate, A.YILDIRIM(Student), 2019
PANDIR Y., Kesirli mertebeden diferansiyel denklemlerin analitik ve nümerik yöntemler ile çözümleri, Postgraduate, H.HÜSEYİN(Student), 2017
PANDIR Y., Kısmi türevli diferansiyel denklemlerin yeni Jakobi eliptik fonksiyon çözümleri, Postgraduate, N.TURHAN(Student), 2015
PANDIR Y., Lineer ve lineer olmayan kesirli mertebeden diferansiyel denklemlerin çözüm yöntemleri, Doctorate, Ş.TÜLÜCE(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **New soliton solutions of the nonlinear Radhakrishnan-Kundu-Lakshmanan equation with the beta-derivative**
PANDIR Y., Gurefe Y., AKTÜRK T.
OPTICAL AND QUANTUM ELECTRONICS, vol.54, no.4, 2022 (Journal Indexed in SCI)
- II. **Dynamics of combined soliton solutions of unstable nonlinear Schrodinger equation with new version of the trial equation method**
PANDIR Y., Ekin A.

CHINESE JOURNAL OF PHYSICS, vol.67, pp.534-543, 2020 (Journal Indexed in SCI)

- III. **Multiple Soliton Solutions for Nonlinear Differential Equations with a New Version of Extended F-Expansion Method**
PANDIR Y., Turhan N.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, 2020 (Journal Indexed in SCI)
- IV. **New exact solutions of the space-time fractional cubic Schrodinger equation using the new type F-expansion method**
PANDIR Y., Duzgun H. H.
WAVES IN RANDOM AND COMPLEX MEDIA, vol.29, no.3, pp.425-434, 2019 (Journal Indexed in SCI)
- V. **Analytical approach for the fractional differential equations by using the extended tanh method**
PANDIR Y., Yildirim A.
WAVES IN RANDOM AND COMPLEX MEDIA, vol.28, no.3, pp.399-410, 2018 (Journal Indexed in SCI)
- VI. **ELLIPTIC FUNCTION SOLUTIONS FOR SOME NONLINEAR PDES IN MATHEMATICAL PHYSICS**
GÜREFE Y., PANDIR Y., Akturk T., BULUT H.
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.7, no.1, pp.372-391, 2017 (Journal Indexed in SCI)
- VII. **New Exact Solutions of Time Fractional Gardner Equation by Using New Version of F-Expansion Method**
PANDIR Y., Duzgun H. H.
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.67, no.1, pp.9-14, 2017 (Journal Indexed in SCI)
- VIII. **Optical solitons of the KdV equation with power-law nonlinearity**
PANDIR Y.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.10, pp.658-670, 2016 (Journal Indexed in SCI)
- IX. **All exact travelling wave solutions of Hirota equation and Hirota-Maccari system**
DEMİRAY Ş. T., PANDIR Y., BULUT H.
OPTIK, vol.127, no.4, pp.1848-1859, 2016 (Journal Indexed in SCI)
- X. **A new approach for some NLDEs with variable coefficients**
PANDIR Y., DEMİRAY Ş. T., BULUT H.
OPTIK, vol.127, no.23, pp.11183-11190, 2016 (Journal Indexed in SCI)
- XI. **New soliton solutions for Sasa-Satsuma equation**
DEMİRAY Ş. T., PANDIR Y., BULUT H.
WAVES IN RANDOM AND COMPLEX MEDIA, vol.25, no.3, pp.417-428, 2015 (Journal Indexed in SCI)
- XII. **New solitary wave solutions of Maccari system**
DEMİRAY Ş. T., PANDIR Y., BULUT H.
OCEAN ENGINEERING, vol.103, pp.153-159, 2015 (Journal Indexed in SCI)
- XIII. **The investigation of exact solutions of nonlinear time fractional Klein Gordon equation by using generalized Kudryashov method**
TÜLÜCE DEMİRAY Ş., PANDIR Y., BULUT H.
AIP Conference Proceedings, vol.1637, pp.283-289, 2014 (Journal Indexed in SCI)
- XIV. **Generalized Kudryashov Method for Time-Fractional Differential Equations**
DEMİRAY Ş. T., PANDIR Y., BULUT H.
ABSTRACT AND APPLIED ANALYSIS, 2014 (Journal Indexed in SCI)
- XV. **Classification of exact solutions to the generalized Kadomtsev-Petviashvili equation**
PANDIR Y., Gurefe Y., MISIRLI E.
PHYSICA SCRIPTA, vol.87, no.2, 2013 (Journal Indexed in SCI)
- XVI. **The Extended Trial Equation Method for Some Time Fractional Differential Equations**
PANDIR Y., Gurefe Y., MISIRLI E.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, vol.2013, 2013 (Journal Indexed in SCI)
- XVII. **The Modified Trial Equation Method for Fractional Wave Equation and Time Fractional Generalized Burgers Equation**

BULUT H., BAŞKONUŞ H. M. , PANDIR Y.

ABSTRACT AND APPLIED ANALYSIS, 2013 (Journal Indexed in SCI)

XVIII. **Symmetrical hyperbolic Fibonacci function solutions of generalized Fisher equation with fractional order**

BULUT H., PANDIR Y., BAŞKONUŞ H. M.

AIP Conference Proceedings, vol.1558, pp.1914-1918, 2013 (Journal Indexed in SCI)

XIX. **Classification of Exact Solutions for Some Nonlinear Partial Differential Equations with Generalized Evolution**

PANDIR Y., Gurefe Y., Kadak U., MISIRLI E.

ABSTRACT AND APPLIED ANALYSIS, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **New Exact Solutions of (31)-dimensional Kadomtsev-Petviashvili (KP) Equation**
PANDIR Y., AĞIR T.
Türk Doğa ve Fen Dergisi, vol.9, pp.120-125, 2020 (Other Refereed National Journals)
- II. **New Exact Solutions of Cubic Nonlinear Schrödinger Equation by Using Extended Trial Equation Method**
PANDIR Y., AĞIR T.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.20, no.41301, pp.582-588, 2020 (Other Refereed National Journals)
- III. **An application of the new function method to the Zhiber–Shabat equation**
AKTÜRK T., GÜREFE Y., PANDIR Y.
An International Journal of Optimization and Control: Theories Applications, vol.7, no.3, pp.271-274, 2017 (Refereed Journals of Other Institutions)
- IV. **The multi-wave method for exact solutions of nonlinear partial differential equations**
PANDIR Y., Ulusoy H.
Journal of Engineering Technology and Applied Sciences, vol.2, no.1, pp.13-26, 2017 (Refereed Journals of Other Institutions)
- V. **A New Type of Generalized F-Expansion Method and its Application to Sine-Gordon Equation**
PANDIR Y.
Celal Bayar University Journal of Science, vol.13, no.3, pp.647-650, 2017 (Other Refereed National Journals)
- VI. **On the Solution of Nonlinear Time Fractional Generalized Burgers Equation by Homotopy Analysis Method and Modified Trial Equation Method**
BAŞKONUŞ H. M. , BULUT H., PANDIR Y.
International Journal of Modeling and Optimization, vol.4, no.4, pp.305-309, 2014 (Refereed Journals of Other Institutions)
- VII. **Exact Solutions of Time Fractional KdV Equations by Using Generalized Kudryashov Method**
BULUT H., PANDIR Y., TÖLÜCE DEMİRAY Ş.
International Journal of Modeling and Optimization, vol.4, no.4, pp.315-320, 2014 (Refereed Journals of Other Institutions)
- VIII. **The natural transform decomposition method for linear and nonlinear partial differential equations**
BAŞKONUŞ H. M. , BULUT H., PANDIR Y.
Mathematics in Engineering, Science and Aerospace-MESA, vol.5, no.1, pp.111-126, 2014 (Refereed Journals of Other Institutions)
- IX. **Modified trial equation method to the nonlinear fractional Sharma-Tasso-Oleiver equation**
BULUT H., PANDIR Y.
International Journal of Modeling and Optimization, vol.3, no.4, pp.353-357, 2013 (Refereed Journals of Other Institutions)
- X. **New exact solutions of the time fractional nonlinear dispersive KdV**

PANDIR Y., GÜREFE Y., MISIRLI E.

International Journal of Modeling and Optimization, vol.3, no.4, pp.349-352, 2013 (Refereed Journals of Other Institutions)

- XI. **New exact solutions of the generalized fractional Zakharov Kuznetsov equations**
PANDIR Y., GÜREFE Y.
Life Science Journal-Acta Zhengzhou University Overseas Edition, vol.10, no.2, pp.2701-2705, 2013 (Refereed Journals of Other Institutions)
- XII. **New Generalized Hyperbolic Functions to Find New Exact Solutions of the Nonlinear Partial Differential Equations**
PANDIR Y., ULUSOY H.
Journal of Mathematics, vol.2013, no.201276, pp.1-5, 2013 (Refereed Journals of Other Institutions)
- XIII. **Solutions of the nonlinear differential equations by use of symmetric functions**
PANDIR Y., TANDOĞAN Y. A.
International Journal of Applied Mathematics, vol.26, no.3, pp.403-410, 2013 (Refereed Journals of Other Institutions)
- XIV. **A new approach to Kudryashov s method for solving some nonlinear physical models**
PANDIR Y., GÜREFE Y., MISIRLI E.
International Journal of Physical Sciences, vol.7, no.21, pp.2860-2866, 2012 (Refereed Journals of Other Institutions)
- XV. **New exact solutions of stochastic KdV equation**
GÜREFE Y., PANDIR Y., MISIRLI E.
Applied Mathematical Sciences, vol.6, no.65, pp.3225-3234, 2012 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Version of the Generalized F-expansion Method and Applications**
PANDIR Y., Turhan N.
11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), La Rochelle, France, 4 - 08 July 2016, vol.1798
- II. **(I.) Applications of Mathematical Methods and Models in Sciences and Engineering**
BİLDİK N., Demir D. D. , PANDIR Y.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 23 - 29 September 2015, vol.1738
- III. **New Exact Solutions for Fractional Sine-Gordon Equation by using the New Version of Generalized F-expansion Method**
PANDIR Y., Duzgun H. H.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 23 - 29 September 2015, vol.1738
- IV. **Exact Solutions of Nonlinear Schrodinger's Equation by using Generalized Kudryashov Method**
PANDIR Y., SÖNMEZOĞLU A., Duzgun H. H. , Turhan N.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648
- V. **The Analysis of the Exact Solutions of the Space Fractional Coupled KD Equations**
DEMİRAY Ş. T. , PANDIR Y., BULUT H.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648
- VI. **Functional Variable Method for the Nonlinear Fractional Differential Equations**
Bekir A., Guner O., Aksoy E., PANDIR Y.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648

- VII. **Solving Nonlinear Space-time Fractional Differential Equations using the Exp-function Method**
Guner O., Bekir A., PANDIR Y.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648
- VIII. **New Exact Solutions of the Space-Time Fractional Potential Kadomtsev-Petviashvili (pKP) Equation**
PANDIR Y., Yildirim A.
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 22 - 28 September 2014, vol.1648
- IX. **On the exact solutions of high order wave equations of KdV type (I)**
BULUT H., PANDIR Y., BAŞKONUŞ H. M.
10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), Narvik, Norway, 15 - 18 July 2014, vol.1637, pp.114-126
- X. **The Investigation of Exact Solutions of Nonlinear Time-Fractional Klein-Gordon Equation by Using Generalized Kudryashov Method**
DEMİRAY Ş. T., PANDIR Y., BULUT H.
10th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), Narvik, Norway, 15 - 18 July 2014, vol.1637, pp.283-289
- XI. **Exact Solutions of the Time-fractional Fitzhugh-Nagumo Equation**
PANDIR Y., Tandogan Y. A.
11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Greece, 21 - 27 September 2013, vol.1558, pp.1919-1922
- XII. **A Multiple Extended Trial Equation Method for the Fractional Sharma-Tasso-Olver Equation**
PANDIR Y., Gurefe Y., MISIRLI E.
11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Greece, 21 - 27 September 2013, vol.1558, pp.1927-1930

Supported Projects

PANDIR Y., Project Supported by Higher Education Institutions, Kesirli Kısmi Türevli Diferansiyel Denklemlerin Yarı Analitik Yöntemlerinin İncelenmesi, 2013 - 2019

PANDIR Y., BEKDEMİR F. O. , Project Supported by Higher Education Institutions, Kurşun nitrat'ın insan eritositleri üzerine toksik etkisine sodyum selenit'in koruyucu rolünün istatistiksel olarak incelenmesi. Bozok Üniversitesi BAP Projesi, 6602b-FEF/17-73, 2017 - 2018

Citations

Total Citations (WOS):500

h-index (WOS):14