

Personal Information

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Education Information

Doctorate, Yıldız Technical University, Graduate School of Natural and Applied Sciences, Turkey 2005 - 2011

Research Areas

Mathematics, Differential Equations, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty of Education, Department of Mathematics and Science Education, 2015 - Continues

Professional Experience

Vice Dean, Yıldız Teknik Üniversitesi, 2016 - Continues

Head of Department, Yıldız Teknik Üniversitesi, Kütüphane Ve Dokümantasyon, 2016 - 2016

Deputy Head of Department, Yıldız Teknik Üniversitesi, 2013 - 2016

Advising Theses

ÇEVİKEL A. C. , Lineer Olmayan Kesir Mertebeli Diferansiyel Denklemlerin Tam Çözüm Yöntemleri, Doctorate, E.AKSOY(Student), 2016

ÇEVİKEL A. C. , İNTEGRAL DENKLEMLERİN YAKLAŞIK ÇÖZÜMLERİ, Post Graduate, M.Tunçarslan(Student), 2012

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

- **Study on Fractional Differential Equations with Modified Riemann-Liouville Derivative via Kudryashov Method**
Aksoy E., Bekir A., ÇEVİKEL A. C.
International Journal of Nonlinear Sciences and Numerical Simulation, 2019 (Journal Indexed in SCI)
- **A TRANSITION FROM TWO-PERSON ZERO-SUM GAMES TO COOPERATIVE GAMES WITH FUZZY PAYOFFS**
ÇEVİKEL A. C. , AHLATCIOĞLU M.
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.15, pp.121-131, 2018 (Journal Indexed in SCI)
- **NEW EXACT SOLUTIONS OF THE SPACE-TIME FRACTIONAL KdV-BURGERS AND NON-LINEAR FRACTIONAL FOAM DRAINAGE EQUATION**
ÇEVİKEL A. C.
THERMAL SCIENCE, vol.22, 2018 (Journal Indexed in SCI)
- **The (G'/G) -expansion method for the nonlinear time fractional differential equations**
ÜNSAL Ö., GÜNER Ö., BEKİR A., ÇEVİKEL A. C.
AIP Conference Proceedings, 2017 (Journal Indexed in SCI)
- **Singular 1-soliton solution of the nonlinear variable-coefficient diffusion reaction and mKdV equations**

GUNER Ö., BEKİR A., ÜNSAL Ö., ÇEVİKEL A. C.

AIP Conference Proceedings, 2017 (Journal Indexed in SCI)

- **Exact Solutions for Fractional Differential-Difference Equations by (G'/G)-Expansion Method with Modified Riemann-Liouville Derivative**

Bekir A., Guner O., Ayhan B., ÇEVİKEL A. C.

ADVANCES IN APPLIED MATHEMATICS AND MECHANICS, vol.8, pp.293-305, 2016 (Journal Indexed in SCI)

- **Different methods for (3+1)-dimensional space-time fractional modified KdV-Zakharov-Kuznetsov equation**

Guner O., AKSOYE., Bekir A., ÇEVİKEL A. C.

COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.71, pp.1259-1269, 2016 (Journal Indexed in SCI)

- **Soliton solutions of (2+1)-dimensional time-fractional Zoomeron equation**

AKSOYE., ÇEVİKEL A. C. , Bekir A.

OPTİK, vol.127, pp.6933-6942, 2016 (Journal Indexed in SCI)

- **Exact solutions of nonlinear time fractional partial differential equations by sub-equation method**

Bekir A., Aksoy E., ÇEVİKEL A. C.

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.38, pp.2779-2784, 2015 (Journal Indexed in SCI)

- **A variety of exact solutions for the time fractional Cahn-Allen equation**

Guner O., Bekir A., ÇEVİKEL A. C.

EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, 2015 (Journal Indexed in SCI)

- **Construction of periodic and solitary wave solutions for the complex nonlinear evolution equations**

ÇEVİKEL A. C. , Bekir A., San S., GÜCEN M. B.

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.351, pp.694-700, 2014 (Journal Indexed in SCI)

- **Bright and Dark Soliton Solutions of the (2+1)-Dimensional Evolution Equations**

Bekir A., ÇEVİKEL A. C. , Guner O., San S.

MATHEMATICAL MODELLING AND ANALYSIS, vol.19, pp.118-126, 2014 (Journal Indexed in SCI)

- **A Procedure to Construct Exact Solutions of Nonlinear Fractional Differential Equations**

Guner O., ÇEVİKEL A. C.

SCIENTIFIC WORLD JOURNAL, 2014 (Journal Indexed in SCI)

- **Dark soliton and periodic wave solutions of nonlinear evolution equations**

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ADVANCES IN DIFFERENCE EQUATIONS, 2013 (Journal Indexed in SCI)

- **New Solitons and Periodic Solutions for (2+1)-dimensional Davey-Stewartson Equations**

ÇEVİKEL A. C. , Bekir A.

CHINESE JOURNAL OF PHYSICS, vol.51, pp.1-13, 2013 (Journal Indexed in SCI)

- **Fractional Complex Transform and exp-Function Methods for Fractional Differential Equations**

Bekir A., Guner O., ÇEVİKEL A. C.

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

- **A procedure to construct exact solutions of nonlinear evolution equations**

ÇEVİKEL A. C. , Bekir A., AKAR M., San S.

PRAMANA-JOURNAL OF PHYSICS, vol.79, pp.337-344, 2012 (Journal Indexed in SCI)

- **Efficient solutions of systems of fractional PDEs by the differential transform method**

Seçer A., Akınlar M. A. , Çevikel A. C.

ADVANCES IN DIFFERENCE EQUATIONS, 2012 (Journal Indexed in SCI)

- **New solitons and periodic solutions for nonlinear physical models in mathematical physics**

Bekir A., ÇEVİKEL A. C.

NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, vol.11, pp.3275-3285, 2010 (Journal Indexed in SCI)

- **Solutions for fuzzy matrix games**

ÇEVİKEL A. C. , AHLATCIOĞLU M.

COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.60, pp.399-410, 2010 (Journal Indexed in SCI)

- **New exact travelling wave solutions of nonlinear physical models**

Bekir A., ÇEVİKEL A. C.

CHAOS SOLITONS & FRACTALS, vol.41, pp.1733-1739, 2009 (Journal Indexed in SCI)

- **Solitary wave solutions of two nonlinear physical models by tanh-coth method**
Bekir A., ÇEVİKEL A. C.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, vol.14, pp.1804-1809, 2009
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Articles Published in Other Journals

- **A NEW SOLUTION CONCEPT FOR SOLVING MULTIOBJECTIVE FRACTIONAL PROGRAMMING PROBLEM**
ÇEVİKEL A. C.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, 2019 (Refereed Journals of Other Institutions)
- **Q-Taylor Method for Multiobjective Fractional Programming Problem**
Çevikel A. C. , Özavşar M.
European Journal of Science and Technology, pp.26-31, 2019 (Refereed Journals of Other Institutions)
- **Q-Taylor Series Method for Solving Fuzzy Multiobjective Linear Fractional Programming Problem**
ÇEVİKEL A. C.
EUROPEAN JOURNAL OF SCIENCE AND THEOLOGY, pp.10-17, 2019 (Refereed Journals of Other Institutions)
- **Fixed points of multiplicative contraction mappings on multiplicative metric spaces**
ÖZAVŞAR M., ÇEVİKEL A. C.
Journal of Engineering Technology and Applied Sciences, vol.2, pp.65-79, 2017 (Refereed Journals of Other Institutions)
- **The Exp-function Method for Some Time-fractional Differential Equations**
BEKİR A., GUNER O., ÇEVİKEL A. C.
IEEE-CAA JOURNAL OF AUTOMATICA SINICA, vol.4, no.7739896, pp.315-321, 2017 (Journal Indexed in ESCI)
- **Explicit Solutions of Bogoyavlenskii Equation by the Exp-function Method and Ansatz Method**
AKSOY E., ÇEVİKEL A. C. , BEKİR A., GUNER Ö.
International Journal of Nonlinear Science, 2017 (Refereed Journals of Other Institutions)
- **Using A Complex Transformation with Exp-Function Method to get an Exact Solutions for Fractional Differential Equation**
bekir a., ÇEVİKEL A. C.
Current Advances in Mathematics Research, 2014 (Refereed Journals of Other Institutions)
- **Dark-Bright Soliton Solutions for Some Evolution Equations**
ÇEVİKEL A. C. , Aksoy E., Güner Ö., Bekir A.
International Journal of Nonlinear Science, vol.16, pp.195-202, 2013 (Refereed Journals of Other Institutions)
- **The tanh coth method combined with the Riccati equation for solving nonlinear coupled equation in mathematical physics**
BEKİR A., ÇEVİKEL A. C.
Journal of King Saud University - Science, 2011 (Refereed Journals of Other Institutions)
- **A linear Interactive Solution Concept for Fuzzy Multiobjective Games**
ÇEVİKEL A. C. , AHLATCIOĞLU M.
European Journal of Pure and Applied Mathematics, 2010 (Refereed Journals of Other Institutions)
- **Fuzzy matris oyunların çözümleri üzerine**
ÇEVİKEL A. C. , AHLATCIOĞLU M.
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2010 (Other Refereed National Journals)
- **A New Solution Concept in Fuzzy Matrix Games**
ÇEVİKEL A. C. , AHLATCIOĞLU M.
World Applied Sciences Journal, 2009 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Ders Kitap**

DOĞAN M., ÇEVİKEL A. C. , Özgür B.

DEKUS, 1 - 03 Aralık 2019

- **Cahit Arf'xxı tanıtım**

ÇEVİKEL A. C. , Yılmaz İ.

6. Yıldız Sosyal Bilimler Kongresi, 12 - 13 Aralık 2019

- **A research on the role of creative drama in mathematics learning**

Çevikel A. C.

International Conference on Mathematics and Mathematics Education, Konya, Turkey, 11 - 13 Temmuz 2019, pp.19-20

- **the role of drama in learning mathematics**

ÇEVİKEL A. C. , Yılmaz İ.

ICOMA-2019, 3 - 05 Mayıs 2019

- **A Study on the Role of Drama in Learning Mathematics**

Çevikel A. C.

2 nd International Conference on Mathematical Advances and Applications, İstanbul, Turkey, 3 - 05 Mayıs 2019, pp.52-53

- **Türklerin Matematiğe Katkıları: Gelenbevi İsmail Efendi Örneği**

Çevikel A. C.

TÜRK EĞİTİM KONGRESİ, İstanbul, Turkey, 27 - 28 Aralık 2018

- **Bright and Dark Soliton Solutions of Some Nonlinear Equations**

Çevikel A. C.

International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Turkey, 20 - 24 Haziran 2018, pp.80-81

- **Bright and Dark Soliton Solutions for the KP Equation**

AKAR M., ÇEVİKEL A. C.

2018 AMS Spring Eastern Sectional Meeting, Boston, Ma, United States Of America, 21 Nisan 2018, pp.150

- **Periodic and Solitary Wave Solutions for the Nonlinear Evolution Equations**

ÇEVİKEL A. C. , AKAR M.

2018 AMS Spring Eastern Sectional Meeting, Boston, Ma, United States Of America, 21 Nisan 2018, pp.150

- **Solitary Wave Solutions of Some Physical Models**

ÇEVİKEL A. C. , AKAR M., ÖZKAN E. M.

AMS, California, United States Of America, 04 Kasım 2017, pp.1

- **Periodic And Solitary Wave Solutions of Some Physical Models**

Özkan E. M. , Akar M., Çevikel A. C.

1134th meeting of the American Mathematical Society, Riverside, California, United States Of America, 4 - 05 Kasım 2017

- **Transition from Two-Person Zero-Sum Games to Cooperative Games with Fuzzy Payoffs**

ÇEVİKEL A. C. , AHLATCIOĞLU M.

13th Algebraic Hyperstructures and its Applications, 24 - 27 Temmuz 2017

- **On Applications of Laplace Transform Method on Partial Differential Equations**

Yıldırım Ö., Çevikel A. C. , Çağlak S.

Int. Conference on App. Analysis and Math. Modeling, ICAAMM17, İstanbul, Turkey, 3 - 07 Temmuz 2017, pp.1-10

- **Solutions of matrix games with fuzzy goals**

Çevikel A. C.

Applied Analysis and MATHematical Modelling, İstanbul, Turkey, 3 - 07 Haziran 2017, pp.39-40

- **Singular 1-soliton solution of the nonlinear variable-coefficient diffusion reaction and mKdV equations**

GÜNER Ö., BEKİR A., ÜNSAL Ö., ÇEVİKEL A. C.

11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, 04 Temmuz 2017 - 08 Temmuz 2016

- **The (G'/G)-expansion method for the nonlinear time fractional differential equations**

ÜNSAL Ö., özkan G., BEKİR A., ÇEVİKEL A. C.

11th International Conference on Mathematical Problems in Engineering, 4 - 08 Temmuz 2016

- **Vaiious Methods for Solving Time Fractional KdV Zakharov Kuznetsov Equation**

GÜNER Ö., AKSOYE., BEKİR A., ÇEVİKEL A. C.

International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), 23 - 29 Eylül 2015

• **Exact Solutions of the 3 1 dimensional Space time Fractional Jimbo Miwa Equation**

AKSOYE., GÜNER Ö., BEKİR A., ÇEVİKEL A. C.

International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), 23 - 29 Eylül 2015

• **Periodic and solitary wave solutions of nonlinear evolution equations**

ÇEVİKEL A. C.

International Congress on Fundamental and Applied Sciences, 22 - 26 Ağustos 2016

• **Various methods for solving time fractional KdV-Zakharov-Kuznetsov equation**

Guner O., Aksoy E., Bekir A., ÇEVİKEL A. C.

International Conference of Numerical Analysis and Applied Mathematics 2015, ICNAAM 2015, Rhodes, Greece, 23 - 29 Eylül 2015, vol.1738

• **Different methods for nonlinear fractional differential equation**

GÜNER Ö., BEKİR A., ÇEVİKEL A. C. , ESİN A.

4. International Eurasian Conference on Mathematical Sciences and Applications, 31 Ağustos - 03 Eylül 2015

• **Application of the ansatz method to fractional differential equations**

GÜNER Ö., BEKİR A., ÇEVİKEL A. C.

International Conference on Applied Analysis and Matematical Modelling, 8 - 12 Haziran 2015

• **Application of the fractional differential equations with modified Riemann Liouville derivative via generalized Kudryashov method**

ESİN A., ÇEVİKEL A. C. , BEKİR A.

International Conference on Applied Analysis and Matematical Modelling, 8 - 12 Haziran 2015

• **A Variety of Exact Solutions for the Time Fractional Cahn-Allen Equation**

Çevikel A. C.

3rd International Eurasian Conference on Mathematical Sciences and Applications, Vienna, Austria, 25 - 28 Ağustos 2014, pp.25-26

• **Exact Solutions of Nonlinear Fractional Partial Differential Equation**

Çevikel A. C.

SIAM Conference on Analysis of Partial Differential Equations, Florida, United States Of America, 7 - 10 Aralık 2013, pp.7-8

• **Bright and Dark Soliton Solutions for the Variable Coefficient Generalizations of the KP Equation**

Bekir A., Guner O., ÇEVİKEL A. C.

1st International Conference on Analysis and Applied Mathematics (ICAAM), Gümüşhane, Turkey, 18 - 21 Ekim 2012, vol.1470, pp.31-34

• **Construction Of Periodic And Solitary Wave Solutions For The Complex Nonlinear Evolution Equations**

Gücen M. B. , Çevikel A. C. , San S., Bekir A.

ICAAA 2011, İstanbul, Turkey, 29 - 30 Haziran 2011, pp.1-2

• **Exact solutions of nonlinear Boussinesq equation,**

Çevikel A. C.

XXI. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 1 - 04 Eylül 2009, pp.94-95

• **Kesir mertebeli kısmi diferensiyel denklemlerin alt denklem metoduyla çözümleri**

ÇEVİKEL A. C. , bekir a.

13. Matematik Sempozyumu

• **Soliton Solutions for Some Evolution Equations**

ÇEVİKEL A. C. , Aksoy E., Güner Ö., Bekir A.

International Conference on Applied Analysis and Algebra 2012

• **Exact solutions of nonlinear space-time fractional differential equations**

güner ö., ÇEVİKEL A. C.

International Conference on Applied Analysis and Matematical Modelling

• **Lineer olmayan Oluşum denklemleri için tam soliton çözümler**

ÇEVİKEL A. C. , Bekir A., güner O., aksoy e.

XXV. Ulusal Matematik Sempozyumu

• **Fuzzy hedefli ve fuzzy ödemeli çok amaçlı iki kişili sıfır toplamli oyunlara bir çözüm önerisi**

ÇEVİKEL A. C.

XXI. Ulusal Matematik Sempozyumu, Koç Üniversitesi,

- **Fuzzy ödemeli matris oyunların çözümleri üzerine**

ÇEVİKEL A. C. , ahlatcioglu m.

XXIII. Ulusal Matematik Sempozyumu,

- **Zero-sum games with fuzzy goal**

ÇEVİKEL A. C.

International Congress on Fundamental and Applied Sciences

- **Kesir Mertebeli Diferansiyel Denklemlerin Üstel Fonksiyon Metoduyla Çözümleri**

Bekir A., ÇEVİKEL A. C.

12. Matematik Sempozyum Sergi ve Şenlikleri Konferansı

- **An Algebraic Procedure to Construct Exact Solutions of Nonlinear Evolution Equations**

AKAR M., Çevikel A. C. , Bekir A., San S.

SIAM Conference on Analysis of Partial Differential Equations (PD11)

- **New exact solutions of the time fractional Huxley equation including modified Riemann-Liouville derivative using three different methods**

ÇEVİKEL A. C. , aksoy e., bekir a.

International Conference on Applied Analysis and Mathematical Modelling

- **New exact solutions of some nonlinear PDEs**

ÇEVİKEL A. C.

International Congress on Fundamental and Applied Sciences

- **Application of the Exp-function Method to Some Space-Time Fractional Partial Differential Equation**

Bekir A., ÇEVİKEL A. C.

2nd International Eurasian Conference on Mathematical Sciences and Applications

- **Exact solutions of the Fisher-type equation with time-dependent coefficients**

Güner Ö., ÇEVİKEL A. C.

International Congress on Fundamental and Applied Sciences

- **(2+1)- Boyutlu zaman kesir mertebeli Zoomeron denkleminin tam çözümleri**

bekir a., ÇEVİKEL A. C.

14. Matematik Sempozyumu

Supported Projects

Çevikel A. C. , Ünsal Ö., Project Supported by Other Official Institutions, Lineer Olmayan Diferansiyel Denklemlerin Kompleksiyon çözümleri, 2015 - 2017

ÇEVİKEL A. C. , Project Supported by Higher Education Institutions, Lineer Olmayan Kesir Mertebeli Diferansiyel Denklemlerin Tam Çözüm Yöntemleri, 2014 - 2015

Activities in Scientific Journals

New Trends in Mathematical Sciences, Committee Member, 2013 - Continues

Memberships / Tasks in Scientific Organizations

Member, 2013 - Continues

Citations

Total Citations (WOS):376

h-index (WOS):12