

## Assoc. Prof. MİNE AYLİN BAYRAK

### Personal Information

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Address: Kocaeli Üniversitesi Fen-Edebiyat Fakültesi Matematik Bölümü Umuttepe Kampüsü

### International Researcher IDs

ORCID: 0000-0001-7716-3455

Yoksis Researcher ID: 155809

### Education Information

Doctorate, Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1996 - 2003

Postgraduate, Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1994 - 1996

Undergraduate, Yıldız Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey 1988 - 1992

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Monoton potansiyel operatörler ve lineer olmayan eliptik denklem için karışık sınır değer probleminin sayısal çözümü, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2003

Postgraduate, Çember üzerinde tekil integral denklemin iterasyon yöntemi ile çözümü, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1996

### Research Areas

Differential Equations, Numerical Analysis

### Academic Titles / Tasks

Associate Professor, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2018 - Continues

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2004 - Continues

### Courses

Yüksek lisans tez, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

Doktora Tez, Doctorate, 2023 - 2024, 2022 - 2023

MATEMATİK I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Kesirli Diferansiyel Denklemler, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
MATEMATİK II, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019  
SEMİNER II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Sayısal Analiz, Undergraduate, 2022 - 2023, 2021 - 2022  
Diferansiyel Denklemler, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
SEMİNER I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019  
Lineer Cebir, Undergraduate, 2020 - 2021, 2019 - 2020  
TERS PROBLEMLER, Doctorate, 2019 - 2020, 2018 - 2019

## **Jury Memberships**

Post Graduate, Post Graduate, Kocaeli Üniversitesi, February, 2022  
Doctorate, Doctorate, Kocaeli Üniversitesi, January, 2022  
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, January, 2022  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2022  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2021  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2021  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, February, 2016  
Post Graduate, Post Graduate, Aydın Adnan Menderes Üniversitesi, July, 2014  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2011  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2010  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, February, 2008  
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2008

## **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **A NOVEL ANALYTICAL METHOD FOR TIME FRACTIONAL CONVECTION-DIFFUSION EQUATION THROUGH CLIQUE POLYNOMIALS OF THE COCKTAIL PARTY GRAPH**  
Bayrak M. A., Demir A., Büyük A.  
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.15, no.1, pp.564-573, 2025 (SCI-Expanded)
- II. **On the inverse problem of time dependent coefficient in a time fractional diffusion problem by sinc wavelet collocation method**  
Bayrak M. A., Demir A.  
IOP science Physica Scripta, vol.99, no.-, pp.105-242, 2024 (SCI-Expanded)
- III. **On the Inverse Problem of Time-Dependent Coefficient in a Time Fractional Diffusion Problem by Newly Defined Monic Laquerre Wavelets**  
Bayrak M. A., Demir A.  
JOURNAL OF COMPUTATIONAL AND NONLINEAR DYNAMICS, vol.18, no.11, 2023 (SCI-Expanded)
- IV. **A novel approach for the solution of fractional diffusion problems with conformable derivative**  
Bayrak M. A., Demir A., Ozbilge E.  
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, vol.39, no.3, pp.1870-1887, 2023 (SCI-Expanded)
- V. **On the numerical solution of conformable fractional diffusion problem with small delay**  
Bayrak M. A., Demir A., Ozbilge E.  
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, vol.38, no.2, pp.177-189, 2022 (SCI-Expanded)
- VI. **An Improved Version of Residual Power Series Method for Space-Time Fractional Problems**  
Bayrak M. A., Demir A., Ozbilge E.  
ADVANCES IN MATHEMATICAL PHYSICS, vol.2022, 2022 (SCI-Expanded)
- VII. **On Fractional Newton-Type Method for Nonlinear Problems**

Bayrak M. A., Demir A., Ozbilge E.

Journal of Mathematics, vol.2022, 2022 (SCI-Expanded)

- VIII. **Solving Time Fractional Schrodinger Equation in the Sense of Local Fractional Derivative**  
Bayrak M. A., Demir A.  
JOURNAL OF COMPUTATIONAL AND NONLINEAR DYNAMICS, vol.16, no.8, 2021 (SCI-Expanded)
- IX. **Numerical solution of fractional diffusion equation by Chebyshev collocation method and residual power series method**  
Bayrak M. A., Demir A., Ozbilge E.  
Alexandria Engineering Journal, vol.59, pp.4709-4717, 2020 (SCI-Expanded)
- X. **On solution of fractional partial differential equation by the weighted fractional operator**  
Bayrak M. A., Demir A., Ozbilge E.  
Alexandria Engineering Journal, vol.59, pp.4805-4819, 2020 (SCI-Expanded)
- XI. **New approaches for the solution of space-time fractional Schrodinger equation**  
Demir A., Bayrak M. A., Ozbilge E.  
ADVANCES IN DIFFERENCE EQUATIONS, vol.2020, no.1, 2020 (SCI-Expanded)
- XII. **A New Approach for the Approximate Analytical Solution of Space-Time Fractional Differential Equations by the Homotopy Analysis Method**  
Demir A., Bayrak M. A., Özbilge Kahveci E.  
ADVANCES IN MATHEMATICAL PHYSICS, vol.2019, pp.1-12, 2019 (SCI-Expanded)
- XIII. **A new approach for space-time fractional partial differential equations by residual power series method**  
Bayrak M. A., Demir A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.336, pp.215-230, 2018 (SCI-Expanded)
- XIV. **An Approximate Solution of the Time-Fractional Fisher Equation with Small Delay by Residual Power Series Method**  
Demir A., Bayrak M. A., Özbilge E.  
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2018, 2018 (SCI-Expanded)
- XV. **Adsorption of Brilliant Yellow onto Sepiolite: Evaluation of Thermodynamics and Kinetics and the Application of Nonlinear Isotherm Models**  
Tekin N., Bayrak M. A., Can E.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.37, no.12, pp.1783-1792, 2016 (SCI-Expanded)
- XVI. **A New Method for Solution of Fuzzy Reaction Equation**  
Can E., Bayrak M. A.  
MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY, vol.73, no.3, pp.649-661, 2015 (SCI-Expanded)
- XVII. **Approximate Solution of an Unknown Coefficients in Parabolic Equation**  
Bayrak M. A., Can E.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.8, no.4, pp.1605-1609, 2014 (SCI-Expanded)
- XVIII. **Numerical solution of mixed boundary value problem for some nonlinear elliptic equation**  
Bayrak M. A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.166, no.1, pp.204-212, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **NOVEL WAVELET APPROACH FOR SOLVING FRACTIONAL BAGLEY-TORVIK PROBLEMS**  
Bayrak M. A., Demir A., Büyük A.  
Kragujevac Journal of Mathematics, vol.50, no.5, pp.745-757, 2026 (ESCI)
- II. **On a Fractional Operator of Adjoint Hybrid Fractional Derivative Operator**  
BAYRAK M. A., DEMİR A.  
Annals of the University of Craiova, Mathematics and Computer Science Series, vol.51, no.1, pp.21-39, 2024 (ESCI)

- III. **Inverse Coefficient Problem by Fractional Taylor Series Method**  
 Bayrak M. A., Demir A.  
 ANNALS OF THE UNIVERSITY OF CRAIOVA, MATHEMATICS AND COMPUTER SCIENCE SERIES, vol.50, no.2, pp.292-301, 2023 (ESCI)
- IV. **Experimental Investigation and Mathematical Modeling of Heat Distribution on a Laser-Treated PMMA Surface**  
 Bağlan İ., Canel T., Bayrak M. A.  
 ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.11, pp.34-45, 2023 (Peer-Reviewed Journal)
- V. **On new aspects of Chebyshev polynomials for space-time fractional diffusion process**  
 Demir A., Bayrak M. A., Bulut A., Ozbilge E., Cetinkaya S.  
 APPLIED MATHEMATICS AND NONLINEAR SCIENCES, vol.8, no.2, pp.1051-1062, 2023 (ESCI)
- VI. **Identification of a time-dependent diffusivity coefficient in heat-like space-time fractional differential equations**  
 Bayrak M. A., Demir A.  
 Journal of Amasya University the Institute of Sciences and Technology, vol.3, no.2, pp.11-20, 2022 (Peer-Reviewed Journal)
- VII. **On the challenge of identifying space dependent coefficient in space-time fractional diffusion equations by fractional scaling transformations method**  
 Bayrak M. A., Demir A.  
 TURKISH JOURNAL OF SCIENCE, vol.7, no.2, pp.132-145, 2022 (Peer-Reviewed Journal)
- VIII. **SOLUTIONS FOR THE FRACTIONAL MATHEMATICAL MODELS OF DIFFUSION PROCESS**  
 Çetinkaya S., Bayrak M. A., Demir A., Baleanu D.  
 FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.37, no.1, pp.103-120, 2022 (ESCI)
- IX. **A New Iterative Algorithm for the Time-Fractional Fisher Equation Including Small Delay**  
 Demir A., Bayrak M. A.  
 Konuralp journal of mathematics, vol.10, no.1, pp.1-10, 2022 (Peer-Reviewed Journal)
- X. **DETERMINATION OF TIME DEPENDENT DIFFUSION COEFFICIENT IN TIME FRACTIONAL DIFFUSION EQUATIONS BY FRACTIONAL SCALING TRANSFORMATIONS METHOD**  
 Bayrak M. A., Demir A.  
 BULLETIN OF THE INSTITUTE OF MATHEMATICS ACADEMIA SINICA NEW SERIES, vol.16, no.4, pp.303-319, 2021 (ESCI)
- XI. **A NEW APPROACH FOR THE APPROXIMATE SOLUTION OF FRACTIONAL INTEGRO-DIFFERENTIAL EQUATIONS**  
 Bayrak M. A., Demir A.  
 BULLETIN OF THE INSTITUTE OF MATHEMATICS ACADEMIA SINICA NEW SERIES, vol.16, no.3, pp.193-215, 2021 (ESCI)
- XII. **Approximate solution of time fractional Helmholtz and coupled Helmholtz equations**  
 Bayrak M. A., Tetik S.  
 COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.11, no.4, 2020 (ESCI)
- XIII. **NUMERICAL SOLUTION OF FUZZY PARABOLIC DIFFERENTIAL EQUATIONS BY A FINITE DIFFERENCE METHODS**  
 Bayrak M. A., Can E.  
 TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.10, no.4, pp.886-896, 2020 (ESCI)
- XIV. **On time-fractional Lotka-Volterra diffusion model**  
 Demir A., Bayrak M. A.  
 New Trends in Mathematical Science, vol.3, no.7, pp.178-285, 2019 (Peer-Reviewed Journal)
- XV. **A New Approach for the Solution of Space-Time Fractional Order Heat-Like Partial Differential Equations by Residual Power Series Method**  
 Demir A., Bayrak M. A.  
 COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.10, no.3, pp.585-597, 2019 (ESCI)
- XVI. **Exact solutions of some transonic gas flows equations**

- Bayrak M., Bayrak M. A.  
European International Journal of Science and Technology, vol.7, no.1, pp.15-20, 2018 (Peer-Reviewed Journal)
- XVII. **Inverse Problem for Determination of An Unknown Coefficient in the Time Fractional Diffusion Equation**  
Demir A., Bayrak M. A.  
COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.9, no.2, pp.229-237, 2018 (ESCI)
- XVIII. **Analytical solution of time-fractional nonlinear Benjamin-Bona-Mahony equation by residual power series method,**  
Bayrak M. A., Bayrak M.  
International Journal of Applied Mathematics, vol.31, no.2, pp.251-262, 2018 (Scopus)
- XIX. **APPLICATION OF THE (G'/G)-EXPANSION METHOD FOR SOME SPACE-TIME FRACTIONAL PARTIAL DIFFERENTIAL EQUATIONS**  
Bayrak M. A.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, no.1, pp.60-67, 2018 (ESCI)
- XX. **Determination of an unknown spacewise dependent coefficient for the time-fractional heat equation**  
Bayrak M. A., Demir A.  
European International Journal of Science and Technology, vol.6, no.6, 2017 (Peer-Reviewed Journal)
- XXI. **Approximate solution of second-order fuzzy boundaryvalue problem**  
Bayrak M. A.  
New Trends in Mathematical Sciences, vol.5, no.3, pp.7-21, 2017 (Peer-Reviewed Journal)
- XXII. **A novel numerical method for fuzzy boundary value problem**  
Can E., Bayrak M. A., Hiçdurmaz B.  
IOP Science Journal of Physics:Conference series, vol.707, no.707, 2016 (Peer-Reviewed Journal)
- XXIII. **Numerical methods for determining an unknown space wise dependent source in the heat equation**  
Can E., Bayrak M. A., Kaplan F.  
International journal of Engineering sciences and management, vol.5, no.1, 2015 (Peer-Reviewed Journal)
- XXIV. **Interpolation of fuzzy numbers**  
Can E., Bayrak M. A.  
Journal of modern methods in numerical methods, vol.6, pp.22-27, 2015 (Peer-Reviewed Journal)
- XXV. **Numerical solution of fuzzy differential equations by Milne's predictor-corrector method**  
Bayrak M. A., Can E.  
Mathematical sciences and application E-notes, vol.3, no.1, 2015 (Peer-Reviewed Journal)
- XXVI. **Fuzzy Difference Equation in Finance**  
Sabri Ali U., Can E., Bayrak M. A.  
international journal of scientific and innovative mathematical research, vol.2, no.8, 2014 (Peer-Reviewed Journal)
- XXVII. **Approximate solution of wave equation using fuzzy number**  
Bayrak M. A.  
International journal of computer applications, vol.68, no.19, 2013 (Peer-Reviewed Journal)
- XXVIII. **Identifying an unknown function in a parabolic equation by homotopy analysis method and comparison with the Adomian Decomposition method**  
Bayrak M. A., Gör İ.  
AIP CONFERENCE PROCEEDINGS, vol.470, no.88, 2012 (Peer-Reviewed Journal)
- XXIX. **Numerical Solution of Singular Integral Equation on Circle**  
Golayoğlu A., Bayrak M. A.  
Journal of Kocaeli University, vol.0, no.0, 1996 (Non Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Novel Wavelet Approach for Solving Time or Space Fractional Klein-Gordon Problems**

Bayrak M. A., Demir A., Erman S., Büyük A.

ICOLES 2023, Antalya, Turkey, 2 - 05 November 2023

- II. **A new approach to differential equations using clique collocation method**  
Büyük A., BAYRAK M. A., DEMİR A.  
5th International conference on life and engineering sciences, Alanya, Turkey, 19 May 2022
- III. **On the effectiveness of improved adjoint hybrid fractional derivative operator**  
ERMAN S., BAYRAK M. A., DEMİR A.  
Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 12 April 2022
- IV. **Comparison of finite difference method and residual power series method for time fractional diffusion problems**  
ERMAN S., BAYRAK M. A., DEMİR A.  
International ONLINE conference on mathematical advances and applications (ICOMAA-2022), İstanbul, Turkey, 11 April 2022
- V. **THE ANALYTIC SOLUTION OF INITIAL BOUNDARY VALUE PROBLEM INCLUDING SPACE-FRACTIONAL DIFFUSION EQUATION**  
ÇETİNKAYA S., DEMİR A., BAYRAK M. A.  
International Marmara Sciences Congress (Spring 2019), Kocaeli, Turkey, 26 - 28 April 2019, pp.1453-1457
- VI. **Bulanık Cauchy Problemlerinin Sayısal Çözümü (Özet)**  
Kodal Sevindir H., Çetinkaya S., Tabak G., Bayrak M. A.  
UMTEB 3.Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 2 - 03 June 2018
- VII. **İkinci Mertebeden Bulanık Başlangıç Değer Probleminin Homotopi Analiz Metodu ile Çözümü (Özet)**  
Bayrak M. A., Tabak G., Çetinkaya S., Kodal Sevindir H.  
UMTEB 3.Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 02 June 2018
- VIII. **BAYRAK A new iterative algorithm for the time-fractional Fisher equation including small delay**  
DEMİR A., BAYRAK M. A., BAYRAK M.  
ICOMAA2018, International Conference on Mathematical Advances and Applications, May 11-13, 2018, 11 - 13 May 2018
- IX. **A new iterative algorithm for the time-fractional Fisher equation including small delay**  
DEMİR A., BAYRAK M. A., BAYRAK M.  
International Conference on Mathematical Advances and Applications (ICOMAA2018), İstanbul, Turkey, 11 - 13 May 2018
- X. **A novel iterative algorithm on the time-fractional Fisher equation with small delay**  
BAYRAK M. A., DEMİR A., BAYRAK M.  
International Conference on Mathematical Advances and Applications, 11 - 13 May 2018
- XI. **A new iterative algorithm on the time-fractional Fisher equation including small delay**  
DEMİR A., BAYRAK M. A., BAYRAK M.  
International Conference on Mathematical Advances and Applications, 11 - 13 May 2018
- XII. **A new approach for the solution of space-time fractional order heat-like partial differential equations by Residual power series method**  
DEMİR A., BAYRAK M. A.  
International conference on mathematics and Engineering, 10 - 12 May 2017
- XIII. **Determination of an unknown time dependent coefficient for the time fractional heat equation**  
DEMİR A., BAYRAK M. A.  
International conference on Mathematics and Engineering, 10 - 12 May 2017
- XIV. **A new approach for space-time fractional partial differential equations by Residual power series method**  
BAYRAK M. A., DEMİR A.  
International Conference on mathematics and Engineering, 10 - 12 May 2017
- XV. **Determination of an unknown spacewise dependent coefficient for the time fractional heat equation**  
BAYRAK M. A., DEMİR A.  
International conference on mathematics and Engineering, 10 - 12 May 2017

- XVI. NUMERICAL SOLUTION OF UNKNOWN SPACEWISE DEPENDENT COEFFICIENT IN A PARABOLIC EQUATION**  
CAN E., GOLAYOĞLU A., BAYRAK M. A., HİÇDURMAZ B.  
PROCEEDINGS OF MATHEMATICS AND EDUCATIONALSYMPOSIUM OF DEPARTMENT OF MATHEMATICS ANDCOMPUTER SCIENCETHE 2ND EDITION, 28 - 29 May 2016
- XVII. APPROXIMATE SOLUTION OF CAUCHY REACTIONDIFFUSIONEQUATION**  
CAN E., BAYRAK M. A., SAVAŞ EREN R.  
PROCEEDINGS OF MATHEMATICS AND EDUCATIONALSYMPOSIUM OF DEPARTMENT OF MATHEMATICS ANDCOMPUTER SCIENCETHE 2ND EDITION, 28 May 2016
- XVIII. A novel numerical method for second-order fuzzy linear boundary value problems**  
CAN E., BAYRAK M. A., HİÇDURMAZ B.  
IPCAP 2016, 25 - 27 February 2016
- XIX. Approximate solution of fuzzy second order differential equations**  
Levent O., BAYRAK M. A.  
The 4th international fuzzy systems symposium FUZZYSS'15 Istanbul, 5 - 06 November 2015
- XX. Approximate solution of fuzzy second order differential equation**  
ÖZÇELİKMAN L., BAYRAK M. A.  
FUZZYSS'15 The 4th INternational Fuzzy Systems Symposium, 5 - 06 November 2015
- XXI. Determination of unknown spacewise dependent coefficient in a parabolic equation**  
CAN E., GOLAYOĞLU A., BAYRAK M. A.  
Proceedings of the 2015 International Conference on PureMathematics, Applied Mathematics and Computational Methods(PMAMCM 2015), 16 - 20 July 2015
- XXII. Superposition method for fuzzy two point boundary value problems**  
CAN E., BAYRAK M. A.  
INASE Conferences, Barcelona, Spain, 7 - 09 April 2015
- XXIII. Numerical solution of fuzzy heat equation**  
CAN E., BAYRAK M. A.  
IECMSA-2013 2nd international Eurasian conference on mathematics sciences and applications Sarajevo-Bosnia and Herzegovina, 26 - 29 August 2013
- XXIV. Fuzzy Difference Equation in Finance**  
CAN E., BAYRAK M. A., SABRİ ALİ U.  
IECMSA-2013 2nd international Eurasian conference on mathematics sciences and applications Sarajevo-Bosnia and Herzegovina, 26 - 29 August 2013
- XXV. Interpolation of fuzzy numbers**  
BAYRAK M. A., GOLAYOĞLU A., CAN E.  
Numerical Computations:Theory and Algorithms,Italy, 17 - 23 June 2013
- XXVI. Approximate solution of inverse parabolic problem**  
BAYRAK M., BAYRAK M. A.  
Numerical Computations:Theory and Algorithms,Italy, 17 - 23 June 2013
- XXVII. Numerical Algorithm for determining of an unknown spacewise dependent coefficient in the parabolic equation**  
BAYRAK M. A., GOLAYOĞLU A., CAN E.  
IWW2009 Proceeding of the IVth international workshop on applications of Wavelets to real world problems, 5 - 07 June 2009
- XXVIII. Determination of the leading coefficient in a two dimensional heat equation**  
BAYRAK M. A., CAN E.  
Ankara Üniversitesi III.Ankara Matematik Günleri Sempozyumu, Turkey, 22 - 23 May 2008
- XXIX. Determination of unknown source function in a parabolic equation**  
CAN E., GOLAYOĞLU A., BAYRAK M. A.  
Ankara Üniversitesi III.Ankara Matematik Günleri Sempozyumu, Turkey, 22 - 23 May 2008
- XXX. Determining an unknown coefficient in a parabolic equation**

BAYRAK M. A., CAN E., B ENGİN F.

Sakarya Üniversitesi Fen-Edebiyat Dergisi, Turkey, 4 - 07 July 2007

**XXXI. Identifying the control parameter in a diffusion equation**

CAN E., BAYRAK M. A., ASLAN Ş.

Sakarya Üniversitesi Fen-Edebiyat Dergisi, Turkey, 4 - 07 July 2007

**XXXII. Finite difference schemes for determining of an unknown source parameter in parabolic equations**

BAYRAK M. A., CAN E.

The Third IMACS Conf.on Math. Modelling and Computational Methods in Applied Sciences and Engineering, Pilsen, Czech, 4 - 08 August 2005

**XXXIII. Çember üzerinde singüler integral denklemin çözümü**

GOLAYOĞLU A., BAYRAK M. A.

Balıkesir Üniversitesi Matematik Sempozyumu, Turkey, 23 - 26 May 1996

## Supported Projects

BAYRAK M. A., Project Supported by Higher Education Institutions, BULANIK İKİ NOKTA SINIR DEĞER PROBLEMİNİN SAYISAL ÇÖZÜMÜ, 2014 - 2015

Bayrak M. A., Project Supported by Higher Education Institutions, Isı transferi denkleminde kaynak kontrol parametresinin çözüm yöntemlerinin araştırılması, 2007 - 2009

## Scientific Refereeing

ENGINEERING COMPUTATIONS : INTERNATIONAL JOURNAL FOR COMPUTER-AIDED ENGINEERING AND SOFTWARE, SCI Journal, October 2023

AEJ - ALEXANDRIA ENGINEERING JOURNAL, SCI Journal, September 2023

MATHEMATICS AND COMPUTERS IN SIMULATION, SCI Journal, September 2023

Project Supported by Higher Education Institutions, BAP Research Project, Ordu University, Turkey, August 2020

## Metrics

Publication: 80

Citation (WoS): 149

Citation (Scopus): 165

H-Index (WoS): 8

H-Index (Scopus): 8