

# Prof. Dr. İREM BAĞLAN

## Kişisel Bilgiler

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## Eğitim Bilgileri

Doktora, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Türkiye 2002 - 2007

Yüksek Lisans, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Türkiye 1998 - 2002

Lisans, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1993 - 1998

## Yabancı Diller

İngilizce, B1 Orta

## Yaptığı Tezler

Doktora, DEĞİŞKEN KATSAYILI FOURİER SERİLERİYLE PARABOLİK DENKLEMLER İÇİN DEVİRLİ SINIR KOŞULLU KARIŞIK PROBLEMİN ANALİZİ , Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2007

Yüksek Lisans, GECİKMELİ DİFERANSİYEL DENKLEMLER VE KARARLILIK TEORİSİ , Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2002

## Araştırma Alanları

Matematik, Fourier Analizi, Temel Bilimler

## Akademik Unvanlar / Görevler

Prof. Dr., Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, 2023 - Devam Ediyor

Doç. Dr., Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2015 - 2023

Dr. Öğr. Üyesi, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2010 - 2015

Araştırma Görevlisi Dr., Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2008 - 2010

Araştırma Görevlisi, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 1999 - 2007

## Akademik İdari Deneyim

Bölüm Başkanı, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, 2024 - Devam Ediyor

## Verdiği Dersler

### Yüksek Lisans

Uzmanlık Alan Dersi, Yüksek Lisans, 2019 - 2020

Diferansiyel Denklemlerde Fourier Yöntemleri, Yüksek Lisans, 2018 - 2019

Laplace Dönüşümleri ve Uygulamaları, Yüksek Lisans, 2018 - 2019

Harmonik Analiz ve Uygulamaları, Yüksek Lisans, 2018 - 2019

### Lisans

Seminer II, Lisans, 2018 - 2019

Matematik I, Lisans, 2019 - 2020

Diferansiyel Denklemler, Lisans, 2019 - 2020

Seminer I, Lisans, 2019 - 2020

Matematik II, Lisans, 2018 - 2019

## Yönetilen Tezler

Bağlan İ., Periyodik sınır koşullu hiperbolik ters katsayı probleminin Fourier yöntemiyle çözümü, Yüksek Lisans, A.PEKÜZÜN(Öğrenci), 2021

## Jüri Üyelikleri

Tez Savunma (Sanatta Yeterlik), Tez Savunma (Sanatta Yeterlik), Kocaeli Üniversitesi, Haziran, 2022

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Kocaeli Üniversitesi, Haziran, 2022

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama-Yardımcı Doçentlik, Kocaeli Üniversitesi, Mayıs, 2019

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **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, cilt.49, sa.1, ss.1207-1216, 2024 (SCI-Expanded)
- II. **Analysis for two-dimensional inverse quasilinear parabolic problem by Fourier method**  
Kanca F., BAĞLAN İ.  
INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, cilt.29, sa.12, ss.1912-1945, 2021 (SCI-Expanded)
- III. **Fourier method for higher dimensional inverse quasi-linear parabolic problem**  
Bağlan İ., Kanca F.  
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.37, sa.3, ss.2222-2234, 2021 (SCI-Expanded)
- IV. **Mathematical modeling of heat distribution on carbon fiber Poly(ether-ether-ketone) (PEEK) composite during laser ablation**  
Canel T., Bağlan İ., Sınmazçelik T.  
Optics and Laser Technology, cilt.127, 2020 (SCI-Expanded)
- V. **Mathematical modelling of laser ablation of random oriented short glass fiber reinforced Polyphenylene sulphide (PPS) polymer composite**  
Canel T., Bağlan İ., Sınmazçelik T.  
OPTICS AND LASER TECHNOLOGY, cilt.115, ss.481-486, 2019 (SCI-Expanded)
- VI. **Two-dimensional inverse quasilinear parabolic problem with periodic boundary condition**

- BAĞLAN İ., Kanca F.  
APPLICABLE ANALYSIS, cilt.98, sa.8, ss.1549-1565, 2019 (SCI-Expanded)
- VII. **Determination of an Unknown Heat Source from Integral Overdetermination Condition**  
BAĞLAN İ., Kanca F., MISHRA V. N.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, cilt.42, ss.1373-1382, 2018 (SCI-Expanded)
- VIII. **Inverse Problem for Euler-Bernoulli Equation with Periodic Boundary Condition**  
Kanca F., BAĞLAN İ.  
FILOMAT, cilt.32, sa.16, ss.5691-5705, 2018 (SCI-Expanded)
- IX. **Determination of a coefficient in a quasilinear parabolic equation with periodic boundary condition**  
Baglan I.  
INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, cilt.23, sa.5, ss.884-900, 2015 (SCI-Expanded)
- X. **An inverse coefficient problem for a quasilinear parabolic equation with periodic boundary and integral overdetermination condition**  
BAĞLAN İ., Kanca F.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.38, sa.5, ss.851-867, 2015 (SCI-Expanded)
- XI. **Weak generalized and numerical solution for a quasilinear pseudo-parabolic equation with nonlocal boundary condition**  
BAĞLAN İ., Kanca F.  
ADVANCES IN DIFFERENCE EQUATIONS, 2014 (SCI-Expanded)
- XII. **An inverse problem for a quasilinear parabolic equation with nonlocal boundary and overdetermination conditions**  
Kanca F., BAĞLAN İ.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2014 (SCI-Expanded)
- XIII. **An inverse coefficient problem for a quasilinear parabolic equation with nonlocal boundary conditions**  
Kanca F., BAĞLAN İ.  
BOUNDARY VALUE PROBLEMS, 2013 (SCI-Expanded)
- XIV. **Continuous dependence on data for a solution of the quasilinear parabolic equation with a periodic boundary condition**  
Kanca F., Baglan I. S.  
BOUNDARY VALUE PROBLEMS, 2013 (SCI-Expanded)
- XV. **NUMERICAL SOLUTION OF A QUASILINEAR PARABOLIC PROBLEM WITH PERIODIC BOUNDARY CONDITION**  
Sakinc I.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.39, sa.2, ss.183-189, 2010 (SCI-Expanded)
- XVI. **FOURIER METHOD FOR A QUASILINEAR PARABOLIC EQUATION WITH PERIODIC BOUNDARY CONDITION**  
Ciftci I., Halilov H.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.37, sa.2, ss.69-79, 2008 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Fourier Analysis of Inverse Coefficient Nonlinear Hyperbolic Equations under Periodic Boundary Conditions**  
BAĞLAN İ.  
Natural and Applied Sciences Journal, cilt.7, sa.2, ss.1-7, 2024 (Hakemli Dergi)
- II. **The dependency of the analytical and numerical solution on the  $\epsilon$  parameter in hyperbolic and pseudo-hyperbolic problems with inverse coefficients**  
Yernazar A., ASLAN E., BAĞLAN İ.

- III. **The Heat Problem with Non-Local Boundary Conditions**  
BAĞLAN İ.  
Natural and Applied Sciences Journal, cilt.7, sa.2, ss.61-68, 2024 (Hakemli Dergi)
- IV. **Fourier Method For an Existence of Quasilinear Inverse Pseudo-Parabolic Equation**  
BAĞLAN İ., Kanca F., Mishra V. N.  
IRANIAN JOURNAL OF MATHEMATICAL SCIENCES AND INFORMATICS, cilt.19, sa.1, ss.193-209, 2024 (ESCI)
- V. **Analytical and Numerical Investigation of Two-Dimensional Heat Transfer with Periodic Boundary Conditions**  
BAĞLAN İ., ASLAN E.  
Computation, cilt.12, sa.1, 2024 (ESCI)
- VI. **Analysis of Inverse Coefficient Problem for Euler-Bernoulli Equation with Periodic and Integral Conditions**  
Bağlan İ.  
Natural and Applied Sciences Journal, cilt.7, sa.2, ss.15-25, 2023 (Hakemli Dergi)
- VII. **Stability of Solution of Quasilinear Parabolic Two-Dimensional with Inverse Coefficient by Fourier Method**  
Bağlan İ.  
Natural & applied sciences journal, cilt.6, sa.1, ss.9-20, 2023 (Hakemli Dergi)
- VIII. **Optimization with Taguchi Method of Laser Parameters Necessary for Smooth Groove Bottom in ZAMAK 5**  
Canel T., Bağlan İ.  
Kafkas Üniversitesi Fen Bilimleri Enstitüsü Dergisi / Institute of Natural and Applied Science Journal, cilt.15, sa.2, ss.60-64, 2023 (Hakemli Dergi)
- IX. **Analysis of Inverse Euler-Bernoulli Equation with periodic boundary conditions**  
BAĞLAN İ., CANEL T.  
Turkish Journal of Science, cilt.7, sa.3, ss.146-156, 2022 (Hakemli Dergi)
- X. **Solution of Parabolic Problem with Inverse Coefficient  $s(t)$  with Periodic and Integral Conditions**  
BAĞLAN İ.  
Kocaeli Journal of Science and Engineering, cilt.5, ss.1-9, 2022 (Hakemli Dergi)
- XI. **Timur Canel- İrem Bağlan, " Optimization with Taguchi Method of Laser Parameters Necessary for Smooth Groove Bottom in ZAMAK 5**  
Bağlan İ.  
Kafkas Üniversitesi Fen Bilimleri Dergisi, cilt.15, sa.2, ss.12-22, 2022 (Hakemli Dergi)
- XII. **Solution of Inverse Euler-Bernoulli Problem with Integral Overdetermination and Periodic Boundary Conditions**  
BAĞLAN İ., Kanca F., Mishra V. N.  
IRANIAN JOURNAL OF MATHEMATICAL SCIENCES AND INFORMATICS, cilt.17, sa.1, ss.191-206, 2022 (ESCI)
- XIII. **Mathematical Modeling of the Shape of Cavity Created with Laser Using Melting, Boiling Temperature.**  
CANEL T., BAĞLAN İ.  
Turkish Journal of Science, cilt.6, sa.3, ss.162-166, 2021 (Hakemli Dergi)
- XIV. **Continuous Dependence on Data for a Solution of Higher Order Quasi-Linear Parabolic Equation Using Fourier Method**  
BAĞLAN İ., CANEL T.  
Eastern Anatolian Journal, cilt.7, sa.2, ss.35-41, 2021 (Hakemli Dergi)
- XV. **Fourier Method for Higher Order Quasi-Linear Parabolic Equation Subject with Periodic Boundary Conditions**  
BAĞLAN İ., CANEL T.  
Turkish Journal of Science, cilt.6, sa.2, ss.110-121, 2021 (Hakemli Dergi)

- XVI. **Mathematical Modeling of the Effect of CO<sub>2</sub> Laser Power on Texture Size on Polyoxmethylen (POM) Sheet**  
Canel T., Bađlan İ.  
Turkish Journal of Science, cilt.5, sa.3, ss.252-256, 2020 (Hakemli Dergi)
- XVII. **An inverse coefficient problem for quasilinear pseudo-parabolic of heat conduction of Poly(methyl methacrylate) (PMMA)**  
Bađlan İ., Canel T.  
Turkish Journal of Science, cilt.5, sa.3, ss.199-207, 2020 (Hakemli Dergi)
- XVIII. **Mathematical Modeling of the Effect of CO<sub>2</sub> Laser Parameter on Shape and Geometry of Polymer Plate**  
Canel T., Bađlan İ.  
Turkish Journal of Science, cilt.5, sa.3, ss.257-261, 2020 (Hakemli Dergi)
- XIX. **Mathematical Modeling of the Eect of CO<sub>2</sub> Laser Power on TextureSize on Polyoxmethylen (POM) Sheet**  
CANEL T., BAĐLAN İ.  
TURKISH JOURNAL OF SCIENCE, cilt.5, sa.3, ss.252-256, 2020 (Hakemli Dergi)
- XX. **Continuous Dependence on Data for a Solution of determination of an unknown source of Heat Conduction of Poly(methyl methacrylate) (PMMA)**  
Bađlan İ., Canel T.  
Turkish Journal of Science, cilt.5, sa.3, ss.214-219, 2020 (Hakemli Dergi)
- XXI. **FOURIER METHOD FOR THE INVERSE COEFFICIENT OF THE PSEUDO-PARABOLIC EQUATION WITH NON-LOCAL BOUNDARY CONDITION**  
Bađlan İ.  
TWMS J. App. and Eng. Math. , cilt.10, sa.4, ss.857-865, 2020 (Hakemli Dergi)
- XXII. **ANALYSIS OF TWO-DIMENSIONAL NON-LINEAR BURGERS'xx EQUATIONS**  
BAĐLAN İ.  
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, cilt.9, ss.38-48, 2019 (Scopus)
- XXIII. **Fourier method for inverse problem coefficient euler-bernoulli beam equation**  
BAĐLAN İ.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.68, sa.1, ss.514-527, 2019 (Hakemli Dergi)
- XXIV. **ANALYSIS OF TWO-DIMENSIONAL NON-LINEAR BURGERS' EQUATIONS**  
BAĐLAN İ.  
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, cilt.9, sa.1, ss.38-48, 2019 (ESCI)
- XXV. **MATHEMATICAL MODELING OF THE DEPENDENCE OF HEAT DISTRIBUTION ON DIRECTION IN SURFACE TEXTURING OF CONTINUOUS CARBON FIBRE REINFORCED EPOXY COMPOSITES BY ND.YAG LASER**  
CANEL T., BAĐLAN İ.  
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, cilt.9, sa.1, ss.49-57, 2019 (ESCI)
- XXVI. **Analysis of inverse parabolic problem with nonlocal boundary condition**  
BAĐLAN İ., KANCA F.  
journal of abstract and computational mathematics, cilt.3, ss.51-62, 2018 (Hakemli Dergi)
- XXVII. **ANALYSIS OF TWO DIMENSIONAL PARABOLIC EQUATION WITH PERIODIC BOUNDARY CONDITIONS**  
GÜLKAÇ V., BAĐLAN İ.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.67, ss.328-334, 2018 (Hakemli Dergi)
- XXVIII. **A geometric modeling of 2-dimensional parabolic problem with periodic boundary condition**  
KANCA F., BAĐLAN İ., ÖZTÜRK G.  
Malaya Journal of Matematik, cilt.6, ss.286-290, 2018 (Hakemli Dergi)
- XXIX. **Solution of two-dimensional non-linear Burgers' equations with nonlocal boundary condition**  
BAĐLAN İ., KANCA F.

- Malaya Journal of Matematik, cilt.5, ss.675-679, 2017 (Hakemli Dergi)
- XXX. **Identifying an unknown time dependent coefficient for quasilinear parabolic equations**  
KANCA F., BAĞLAN İ.  
New Trends in Mathematical Science, cilt.4, ss.116-128, 2016 (Hakemli Dergi)
- XXXI. **Generalized and numerical solution for a quasilinear parabolic equation with nonlocal conditions**  
Kanca F., BAĞLAN İ.  
STUDIA UNIVERSITATIS BABES-BOLYAI MATHEMATICA, cilt.60, sa.4, ss.567-581, 2015 (ESCI)
- XXXII. **The Continuous Dependence and Numerical Approximation of the Solution of the Quasilinear Pseudo-Parabolic Problem with Periodic Boundary Condition**  
BAĞLAN İ., kanca f.  
Journal of Advances in Mathematics, cilt.5, sa.3, ss.12-25, 2014 (Hakemli Dergi)
- XXXIII. **"Fourier Method for a Pseudo-Quasilinear Parabolic Problem with Periodic Boundary Condition",**  
Bağlan İ.  
International Journal of Pure and Applied Mathematics, cilt.52, ss.717-729, 2009 (Hakemli Dergi)
- XXXIV. **Dependency of the solution of quasilinear pseudo-parabolic equation with periodic boundary condition on Epsilon**  
BAĞLAN İ., halilov H.  
International Journal of Math. Analysis, cilt.2, sa.18, ss.881-888, 2008 (Hakemli Dergi)

## **Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler**

- I. **Analysis of Inverse Coefficient Non-Linear Pseudo-Hyperbolic Equation with Periodic Boundary Condition**  
Bağlan İ., Yernezar A., Aslan E.  
Kocaeli Science Congress, Kocaeli, Türkiye, 2 - 04 Ekim 2024, ss.32-40
- II. **Inverse Coefficient Analysis in Semi-Linear Parabolic Heat Conduction Models**  
Bağlan İ., Yernezar A.  
Kocaeli Science Congress, Kocaeli, Türkiye, 2 - 04 Ekim 2024, ss.15-25
- III. **Equation containing fractional derivative and periodic boundary conditions**  
Bağlan İ., Turhan Ş.  
Kocaeli Science Congress, Kocaeli, Türkiye, 2 - 04 Ekim 2024, ss.43-50
- IV. **Analytical and Computational Solutions for Nonlinear Hyperbolic Equations with Inverse Coefficient under Periodic Boundary Conditions**  
Bağlan İ., Yernezar A., Aslan E.  
Kocaeli Science Congress, Kocaeli, Türkiye, 2 - 04 Ekim 2024, ss.5-10
- V. **Analytical and Computational Solutions for Nonlinear Hyperbolic Equation with Inverse Coefficient under Periodic Boundary Conditions**  
Yernazar A., BAĞLAN İ., ASLAN E.  
Kocaeli Science Congress, Kocaeli, Türkiye, 2 - 04 Ekim 2024, ss.42-48
- VI. **Analysis of Inverse Coefficient Non-Linear Pseudo-Hyperbolic Equation with Periodic Boundary Condition**  
Yernazar A., BAĞLAN İ., ASLAN E.  
Kocaeli Science Congress, Kocaeli, Türkiye, 2 - 04 Ekim 2024, ss.64-68
- VII. **Numerical Investigation of 2D Heat Transfer with Periodic Boundary Conditions**  
Bağlan İ., Aslan E.  
14th International Conference on Computational Heat and Mass Transfer, ICCHMT 2023, Düsseldorf, Almanya, 4 - 08 Eylül 2023, ss.207-216
- VIII. **CFD Analysis for Heat Distribution on Polycarbonate Plate**  
Karabaş M. O., Bağlan İ., Canel T.  
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Antalya, Türkiye, 2 - 05 Kasım 2023,

cilt.1, sa.1, ss.77

- IX. **Optimization of Depth and Width Size of Dimple's Heat Affected Zone Created by CO2 Laser on Polyamide Plate**  
Canel T., Bađlan İ., Ürgün S.  
6th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Antalya, Türkiye, 2 Kasım - 05 Aralık 2023, cilt.1, sa.1, ss.11
- X. **Numerical investigation of Quasi-linear Hyperbolic Equation with Periodic Boundary Condition**  
Bađlan İ., Yernezar A.  
ICOLES,2023, Antalya, Türkiye, 2 - 04 Kasım 2023, ss.18
- XI. **Solution of Fourier Method Inverse Coefficient Non Linear Hyperbolic Equation with Periodic Boundary Condition**  
Bađlan İ., Yernezar A.  
ICOLES,2023, Antalya, Türkiye, 2 - 04 Kasım 2023, ss.17
- XII. **Investigation of an inverse coefficient problem for semi-linear parabolic heat conduction**  
Bađlan İ., Canel T.  
ICOLES,2023, Antalya, Türkiye, 2 - 04 Kasım 2023, ss.15
- XIII. **Mathematical Modelling of Boundary of Dimple Created on ZAMAK 5 plate with Nd:YAG Laser**  
CANEL T., BAĐLAN İ.  
icoles,2022, Antalya, Türkiye, 19 Mayıs 2022
- XIV. **Solution of Higher Order Quasi-Linear Parabolic Equation Subject to Periodic Boundary Using Fourier Method**  
Bađlan İ., Canel T.  
Icoles 2022, Antalya, Türkiye, 19 - 22 Mayıs 2022, ss.220-228
- XV. **Solution of Two Dimension Quasi-Linear Parabolic Equation with Inverse Coefficient**  
BAĐLAN İ., CANEL T.  
icoles,2022, Antalya, Türkiye, 19 Mayıs 2022
- XVI. **Investigation of the Effects of CO2 Laser Parameters on the Geometry of the Grooves Formed on the Transparent Polycarbonate (PC) Surface**  
CANEL T., BAĐLAN İ.  
icoles,2022, Antalya, Türkiye, 19 Mayıs 2022
- XVII. **Optimization of Laser Machining Parameters with Taguchi L9 Orthogonal Array**  
CANEL T., BAĐLAN İ.  
icoles,2022, Antalya, Türkiye, 19 Mayıs 2022
- XVIII. **Solution of Higher Order Quasi-Linear Parabolic Equation Subject to Periodic Boundary Conditions Using Fourier Method**  
BAĐLAN İ., CANEL T.  
icmrs,2021, Türkiye, 22 Ekim 2021
- XIX. **Mathematical Modeling of the Width of Grooves Created with Laser Beam on Dual-Phase Steel Surface**  
BAĐLAN İ., CANEL T.  
icmrs,2021, Türkiye, 22 Ekim 2021
- XX. **Fourier Method for Inverse Coefficient Quasilinear Higher Order Equation**  
BAĐLAN İ.  
icoles,2021, Türkiye, 22 Ekim 2021
- XXI. **Fourier Methods for Determination of An Unknown Heat Source Poly(Methyl Methacrylate) (PMMA) with Periodic Boundary Conditions**  
BAĐLAN İ., CANEL T.  
3rd INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES:CURRENT TRENDS AND DEVELOPMENTSICMRS 2020, ONLINE MEETING, Türkiye, 20 - 22 Kasım 2020
- XXII. **Analysis for the Inverse Coefficient of the Pseudo-Parabolic Equation with non-Local Boundary Condition**

BAĞLAN İ., CANEL T.

ICOLES 2019 INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, İstanbul, Türkiye, 27 - 29 Haziran 2019, cilt.1, sa.1, ss.155-163

- XXIII. **Investigation the Effect of Laser Energy on Heat Affected Zone (HAZ) in Fiber Reinforced Polyphenylene Sulphide (PPS) and Mathematical Simulation of HAZ Formation**  
CANEL T., BAĞLAN İ.  
2 ND INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES, Antalya, Türkiye, 27 - 30 Nisan 2019, cilt.1, sa.1, ss.119-124
- XXIV. **The Stability of Solution for Pseudo-Quasilinear Euler Bernoulli Mixed Problem**  
BAĞLAN İ.  
INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Girne, Kıbrıs (Kkct), 2 - 06 Eylül 2018
- XXV. **Solution of Inverse Euler-Bernoulli Problem with Integral Overdetermination Condition**  
BAĞLAN İ.  
INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Girne, Kıbrıs (Kkct), 2 - 06 Eylül 2018
- XXVI. **Continuous dependence on data for a solution of fourth order EulerBernoulli quasilinear equation with periodic boundary condition**  
BAĞLAN İ.  
ICOLES, Girne, Kıbrıs (Kkct), 2 - 06 Eylül 2018
- XXVII. **Fourier Method for Inverse Coefficient Euler-Bernoulli Beam Equation**  
BAĞLAN İ.  
International Conference on Mathematics and Mathematics Education, Ordu, Türkiye, 26 - 29 Haziran 2018
- XXVIII. **Mathematical Modeling of Ablation of Carbon Fiber Reinforced Plastics by Laser**  
CANEL T., BAĞLAN İ.  
ICMME-2018 International Conference on Mathematics and Mathematics Education, Ordu, Türkiye, 27 Haziran 2018, ss.614
- XXIX. **Mathematical Modeling of Ablation of Carbon Fiber Reinforced Plastics by Lase**  
BAĞLAN İ., CANEL T.  
International Conference on Mathematics and Mathematics Education, Ordu, Türkiye, 26 - 29 Haziran 2018
- XXX. **Solution of a boundary value problem in heat conduction with a periodic boundary condition**  
BAĞLAN İ.  
ICMRS, Antalya, Türkiye, 28 Nisan - 02 Mayıs 2018
- XXXI. **Determination of an Unknown coefficient for euler bernoulli equation**  
BAĞLAN İ., KANCA F.  
ICMRS, Antalya, Türkiye, 28 Nisan - 02 Mayıs 2018
- XXXII. **Inverse Problem for Euler-Bernoulli Equation with Periodic Boundary Condition**  
KANCA F., BAĞLAN İ.  
International Conference on Applied Analysis and Mathematical Modeling, 4 - 07 Temmuz 2017
- XXXIII. **Determination of Parameter for Euler-Bernoulli Equation with Periodic Boundary Condition**  
KANCA F., BAĞLAN İ.  
International Conference on Mathematics and Engineering (ICOME), 10 - 12 Mayıs 2017
- XXXIV. **Two-dimensional Inverse Quasilinear Parabolic Problem with Periodic Boundary Condition**  
BAĞLAN İ., KANCA F.  
International Conference on Mathematics and Engineering (ICOME), 10 - 12 Mayıs 2017
- XXXV. **A Geometric Modeling of the Solution of Two Dimensional Parabolic Equation**  
BAĞLAN İ., KANCA F., ÖZTÜRK G.  
International Conference on Mathematics and Engineering (ICOME 2017), 10 - 12 Mayıs 2017
- XXXVI. **Determination of an Unknown Heat Source from Integral Overdetermination Condition for Quasilinear Parabolic Equation**  
BAĞLAN İ., kanca f.  
INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Saraybosna, Sırbistan Ve Karadağ, 15 Ağustos 2016, ss.54-67



- XXXVII. **Weak Generalized and Numerical Solution for a Pseudo- Quasilinear Parabolic Equation with Nonlocal Boundary Condition**  
BAĞLAN İ., kanca f.  
International Conference Applied Analysis and Mathemaical Modelling, İstanbul, Türkiye, 24 Temmuz 2013, ss.5-6
- XXXVIII. **Yarı Doğrusal Parabolik Denklem için Lokal Olmayan sınır Koşullu Problemin Zayıf ve nümerik Çözümü**  
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Bağlan İ., ICOLES 2022 INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Mayıs 2022  
Bağlan İ., 5 TH INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Mayıs 2022  
Bağlan İ., ICMRS 2021 4TH INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2021  
Canel T., BAĞLAN İ., 4TH INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Bilimsel Kongre /

Sempozyum Organizasyonu, İstanbul, Türkiye, Eylül 2021

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Bağlan İ., ICMRS 2019 2TH INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2019

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## **Metrikler**

Yayın: 114

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## **Akademi Dışı Deneyim**

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