

Personal Information

Email: isakinc@kocaeli.edu.tr

Address: köü fen edebiyat fak.matematik böl.

Education Information

Doctorate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey 2002 - 2007

Post Graduate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey 1998 - 2002

Under Graduate, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1993 - 1998

Dissertations

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

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

Research Areas

Mathematics, Fourier Analysis, Natural Sciences

Academic Titles / Tasks

Associate Professor, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2015 - Continues

Assistant Professor, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, 2010 - 2019

Courses

Seminer II, Under Graduate, 2018 - 2019

Matematik I, Under Graduate, 2019 - 2020

Diferansiyel Denklemler, Under Graduate, 2019 - 2020

Seminer I, Under Graduate, 2019 - 2020

Matematik II, Under Graduate, 2018 - 2019

Uzmanlık Alan Dersi, Post Graduate, 2019 - 2020

Diferansiyel Denklemlerde Fourier Yöntemleri, Post Graduate, 2018 - 2019

Laplace Dönüşümleri ve Uygulamaları, Post Graduate, 2018 - 2019

Harmonik Analiz ve Uygulamaları, Post Graduate, 2018 - 2019

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

- **Inverse Problem for Euler-Bernoulli Equation with Periodic Boundary Condition**

Kanca F., BAĞLAN İ.

FILOMAT, vol.32, pp.5691-5705, 2018 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Generalized and numerical solution for a quasilinear parabolic equation with nonlocal conditions**

Kanca F., BAĞLAN İ.

STUDIA UNIVERSITATIS BABES-BOLYAI MATHEMATICA, vol.60, pp.567-581, 2015 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- **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, Turkey, 27 - 29 Haziran 2019, vol.1, no.1, pp.155-163

- **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, Turkey, 27 - 30 Nisan 2019, vol.1, no.1, pp.119-124

- **Solution of Inverse Euler-Bernoulli Problem with Integral Overdetermination Condition**

BAĞLAN İ.

INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Girne, Cyprus (Kktc), 2 - 06 September 2018

- **The Stability of Solution for Pseudo-Quasilinear Euler Bernoulli Mixed Problem**

BAĞLAN İ.

INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Girne, Cyprus (Kktc), 2 - 06 September 2018

- **Continuous dependence on data for a solution of fourth order EulerBernoulli quasilinear equation with periodic boundary condition**

BAĞLAN İ.

ICOLES, Girne, Cyprus (Kktc), 2 - 06 September 2018

- **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, Turkey, 27 June 2018, pp.614

- **Fourier Method for Inverse Coefficient Euler-Bernoulli Beam Equation**

BAĞLAN İ.

International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 26 - 29 June 2018

- **Determination of an Unknown coefficient for euler bernoulli equation**

BAĞLAN İ., KANCA F.

ICMRS, Antalya, Turkey, 28 April - 02 May 2018

- **Solution of a boundary value problem in heat conduction with a periodic boundary condition**

BAĞLAN İ.

ICMRS, Antalya, Turkey, 28 April - 02 May 2018

- **Inverse Problem for Euler-Bernoulli Equation with Periodic Boundary Condition**

KANCA F., BAĞLAN İ.

International Conference on Applied Analysis and Mathematical Modeling, 4 - 07 July 2017

- **Two-dimensional Inverse Quasilinear Parabolic Problem with Periodic Boundary Condition**

BAĞLAN İ., KANCA F.

International Conference on Mathematics and Engineering (ICOME), 10 - 12 May 2017

- **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 May 2017

- **Determination of Parameter for Euler-Bernoulli Equation with Periodic Boundary Condition**

KANCA F., BAĞLAN İ.

International Conference on Mathematics and Engineering (ICOME), 10 - 12 May 2017

- **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, Serbia And Montenegro, 15 August 2016, pp.54-67
- **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, Turkey, 24 July 2013, pp.5-6
- **Yarı Doğrusal Parabolik Denklem için Lokal OLMayan sınır Koşullu Problemin Zayıf ve nümerik Çözümü**
BAĞLAN İ., kanca f.
XXVI. Matematik Sempozyumu, DİYARBAKIR, Diyarbakır, Turkey, 01 September 2012, pp.2
- **A finite Difference Soluion o the Quasilinear Pseudo-Parabolic Problem with Periodic Boundary Condition**
BAĞLAN İ., kanca f.
The International Congress in Honour of Professor Hari M.Srivasa, Bursa, Turkey, 15 June 2012, pp.3
- **Numerical Solution of a Quasilinear Parabolic Equation with Periodic Boundary Condition**
BAĞLAN İ.
International Symposium on Computing in Science-Engineering, Aydın, Turkey, 15 June 2011, pp.1-2
- **Yarı Doğrusal Pseudo-Parabolik Denklem için Devirli Sınır Koşullu Problemin Çözümünün Epsilona Bağlılığı**
BAĞLAN İ., halilov H.
II. Türk Dünyası Matematik Sempozyumu, Sakarya, Turkey, 04 July 2007, pp.3
- **Devirli Sınır Koşullu Yarı Doğrusal Pseudo-Parabolik Denklem için Fourier Metodu"**
BAĞLAN İ., halilov H.
II. Türk Dünyası Matematik Sempozyumu, Sakarya, Turkey, 04 July 2007, pp.2
- **Orta Çağın Büyük Türk Bilginleri**
BAĞLAN İ., halilov H.
II. Türk Dünyası Matematik Sempozyumu, Sakarya, Turkey, 04 July 2007, pp.4
- **Değişken Katsayılı Fouier Serileri Yardımı ile Yarı Doğrusal Parabolik Denklem için Devirli Sınır Koşullu Karışık Problemin Analizi**
BAĞLAN İ., halilov H.
XIV. Türk Matematik Derneği Sempozyumu, Kütahya, Turkey, 28 August 2006, pp.1

Scientific Refereeing

JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, September 2020
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, June 2020
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, April 2020
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, February 2020
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, January 2020
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, November 2019
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, July 2019
 JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, May 2019
 Journal of Computational and Applied Mathematics, SCI Journal, January 2019
 Cumhuriyet Science Journal , National Scientific Refreed Journal, December 2018
 Journal of Computational and Applied Mathematics, SCI Journal, September 2018
 Journal of Computational and Applied Mathematics, SCI Journal, June 2018
 Appl. Math. Inf. Sci., Other Indexed Journal, June 2018
 Journal of Computational and Applied Mathematics, SCI Journal, May 2018
 Journal of Computational and Applied Mathematics, SCI Journal, April 2018
 Journal of Abstract and Computational Mathematics, Other Indexed Journal, April 2018

Journal of Computational and Applied Mathematics, SCI Journal, November 2017
Journal of Computational and Applied Mathematics, SCI Journal, September 2017
Journal of Computational and Applied Mathematics, SCI Journal, June 2017
Journal of Mathematical Finance, Other Indexed Journal, April 2017
Journal of Computational and Applied Mathematics, SCI Journal, April 2017
Applicable Analysis, SCI Journal, April 2017
Journal of Computational and Applied Mathematics, SCI Journal, March 2017
Journal of Computational and Applied Mathematics, SCI Journal, March 2017
Journal of Computational and Applied Mathematics, SCI Journal, February 2017
Journal of Computational and Applied Mathematics, SCI Journal, January 2017
Journal of Computational and Applied Mathematics, SCI Journal, December 2016
Hacettepe Journal of Mathematics and Statistics, SCI Journal, November 2016
"New Trends in Mathematical Sciences", Other Indexed Journal, September 2016
Hacettepe Journal of Mathematics and Statistics, SCI Journal, May 2016
"New Trends in Mathematical Sciences", Other Indexed Journal, April 2016
Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, April 2016
Journal of Computational and Applied Mathematics, SCI Journal, February 2016
Hacettepe Journal of Mathematics and Statistics, SCI Journal, February 2016
Open Mathematics, SCI Journal, January 2016
Applied Mathematics and Computation, SCI Journal, May 2015
Journal of Applied Mathematics & Information Sciences,, Other Indexed Journal, March 2015
Boundary Value Problems, SCI Journal, January 2015
Boundary Value Problems, SCI Journal, May 2014

Citations

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