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### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, University of Wales-Bangor University, Birleşik Krallık 1990 - 1994

Yüksek Lisans, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 1985 - 1987

Lisans, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye 1981 - 1985

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Studies of B-spline functions, University of Wales-Bangor University, 1994

Yüksek Lisans, Diferensiyel denklemlerin sayısal çözümünde spline fonksiyon uygulamaları, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1987

### Araştırma Alanları

Temel Bilimler, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof.Dr., Eskişehir Osmangazi Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2016 - Devam Ediyor

### Akademik İdari Deneyim

Eskişehir Osmangazi Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2016 - Devam Ediyor

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2014 - 2016

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, 2006 - 2010

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1998 - 2006

## Verdiği Dersler

Lineer Cebir, Lisans, 2020 - 2021

Algoritma Analizi ve Tasarımı, Yüksek Lisans, 2020 - 2021

## Yönetilen Tezler

DAĞ İ., Meta-sezgisel yöntemler ile müzik verisi üzerinde özellik seçimi ve kategorizasyon, Yüksek Lisans, A.HÜSEYİN(Öğrenci), 2020

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

- I. **Classification of anemia using Harris hawks optimization method and multivariate adaptive regression spline**  
Yagmur N., DAĞ İ., Temurtas H.  
Neural Computing and Applications, cilt.36, sa.11, ss.5653-5672, 2024 (SCI-Expanded)
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Proceedings of the National Academy of Sciences India Section A - Physical Sciences, cilt.94, sa.1, ss.83-98, 2024 (SCI-Expanded)
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- IV. **I-CPA: An Improved Carnivorous Plant Algorithm for Solar Photovoltaic Parameter Identification Problem**

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- VI. **Parameter extraction for photovoltaic models with tree seed algorithm**  
Beşkirli A., DAĞ İ.  
Energy Reports, cilt.9, ss.174-185, 2023 (SCI-Expanded)
- VII. **Pattern formation of Schnakenberg model using trigonometric quadratic B-spline functions**  
TOK ONARCAN A., ADAR N., DAĞ İ.  
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- VIII. **A higher-order efficient approach to numerical simulations of the RLW equation**  
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- XIV. **Exponential B-spline collocation solutions to the Gardner equation**  
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- XVIII. **Exponential Twice Continuously Differentiable B-Spline Algorithm for Burgers' Equation**  
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- XIX. **Numerical solutions of the Gardner equation by extended form of the cubic B-splines**

- ERSOY HEPSON Ö., KORKMAZ A., Dag İ.  
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- XX. **Simulations of solitary waves of RLW equation by exponential B-spline Galerkin method**  
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- XXI. **Motion of Patterns Modeled by the Gray-Scott Autocatalysis System in One Dimension**  
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- XXII. **Exponential B-Splines for Numerical Solutions to Some Boussinesq Systems for Water Waves**  
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- XXV. **The Exponential Cubic B-Spline Collocation Method for the Kuramoto-Sivashinsky Equation**  
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- XXVI. **TRIGONOMETRIC B-SPLINE COLLOCATION ALGORITHM FOR SOLVING THE RLW EQUATION**  
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- XXVIII. **Trigonometric quadratic B-spline subdomain Galerkin algorithm for the Burgers' equation**  
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- XXXIV. **Taylor collocation method for the numerical solution of the nonlinear Schrodinger equation using quintic B-spline basis**  
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KORKMAZ A., Dag İ.  
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- XLI. **Taylor-Galerkin method for advection-diffusion equation**  
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- XLII. **Numerical Simulations of the Improved Boussinesq Equation**  
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- XLIII. **Numerical Investigation of the Solution of Fisher's Equation via the B-Spline Galerkin Method**  
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- XLV. **Cosine Expansion-Based Differential Quadrature Algorithm for Numerical Solution of the RLW Equation**  
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- XLVI. **Numerical solution of RLW equation using radial basis functions**  
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- XLVII. **A Compact Finite Difference Method for the Solution of the Generalized Burgers-Fisher Equation**  
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- XLIX. Crank-Nicolson - Differential quadrature algorithms for the Kawahara equation**  
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- LV. A numerical study of the Burgers' equation**  
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- LVI. Three different methods for numerical solution of the EW equation**  
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- LXI. Quartic B-spline collocation method to the numerical solutions of the Burgers' equation**  
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- LXVI. **A small time solutions for the Korteweg-de Vries equation using spline approximation**  
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- LXXIII. **Numerical solutions of the Burgers' equation by the least-squares quadratic B-spline finite element method**  
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- LXXVI. **Least-squares quadratic B-spline finite element method for the regularised long wave equation**  
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- LXXVII. **A quadratic B-spline finite element method for solving nonlinear Schrodinger equation**  
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## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **NUMERICAL SOLUTIONS OF REACTION-DIFFUSION EQUATION SYSTEMS WITH TRIGONOMETRIC**

## QUINTIC B-SPLINE COLLOCATION ALGORITHM

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