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Learning Knowledge

Doctorate

2009 - 2012

Mugla Sitki Kocman University, Fen Bilimler Enstitüsü, Matematik, Turkey

Postgraduate

2006 - 2009

Mugla Sitki Kocman University, Institute Of Science, Matematik, Turkey

Undergraduate

2002 - 2005

Mugla Sitki Kocman University, Faculty Of Arts And Sciences, Matematik, Turkey

Dissertations

Doctorate, İkinci Mertebe Kısmi Diferansiyel Denklemlerin Nümerik Çözümleri için Bessel Sıralama (Collocation) Metodu, Mugla Sitki Kocman University, Fen Bilimleri Enstitüsü, Matematik, 2012

Postgraduate, Lineer Diferansiyel, İntegral ve İntegro-Diferansiyel Denklemlerin Bessel Polinom Çözümleri, Mugla Sitki Kocman University, Fen Bilimleri Enstitüsü, Matematik, 2009

Academic Titles / Tasks

Professor

2022 - Continues

Akdeniz University, Faculty of Science, Department of Mathematics

Associate Professor

2015 - 2022

Akdeniz University, Faculty of Science, Department of Mathematics

Assistant Professor

2013 - 2015

Akdeniz University, Faculty of Science, Department of Mathematics

Research Assistant

2007 - 2012

Muğla Üniversitesi, Fen Fakültesi, Matematik

Awards

1. Yüzbaşı Ş., 2020 SCIENTIST OF THE YEAR AWARD-THE YOUNG SCIENTIST AWARD, Bilim Kahramanları Derneği, October 2021

Jury Memberships

Post Graduate, Tez Savunma, Akdeniz Üniversitesi, February, 2021

Post Graduate, Tez Savunma, Akdeniz Üniversitesi, February, 2021

Post Graduate, Tez Savunma Jürisi, Akdeniz Üniversitesi, June, 2018

Doctorate, Tez Savunma Jürisi, Akdeniz Üniversitesi, June, 2018

Academic Staff Examination, Öğretim Görevlisi Alımı Jüri Üyeliği, Akdeniz Üniversitesi, Öğretim Görevlisi Alımı Jüri Üyeliği, November, 2017

Post Graduate, Tez Savunma Jürisi, Akdeniz Üniversitesi, June, 2017

Post Graduate, Tez Savunma Jürisi, Akdeniz Üniversitesi, October, 2013

Published journal articles indexed by SCI, SSCI, and AHCI

1. **An approaching method based on integral for linear neutral delay differential equations by using Hermite polynomials**
Yüzbaşı Ş., Karaağaçlı Ö.
International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, vol.37, no.4, 2024 (SCI-Expanded)
2. **Fractional Bell collocation method for solving linear fractional integro-differential equations**
YÜZBAŞI Ş.
Mathematical Sciences, vol.18, no.1, pp.29-40, 2024 (SCI-Expanded)
3. **A new Chelyshkov matrix method to solve linear and nonlinear fractional delay differential equations with error analysis**
Izadi M., YÜZBAŞI Ş., Adel W.
Mathematical Sciences, vol.17, no.3, pp.267-284, 2023 (SCI-Expanded)
4. **Approximating solutions to fractional-order Bagley-Torvik equation via generalized Bessel polynomial on large domains**
Izadi M., YÜZBAŞI Ş., Cattani C.
RICERCHE DI MATEMATICA, vol.72, no.1, pp.235-261, 2023 (SCI-Expanded)
5. **Numerical solutions of the Bagley-Torvik equation by using generalized functions with fractional powers of Laguerre polynomials**

Yüzbaşı Ş., Yıldırım G.

International Journal of Nonlinear Sciences and Numerical Simulation, vol.24, no.3, pp.1003-1021, 2023 (SCI-Expanded)

6. **A Numerical Investigation Based on Exponential Collocation Method for Nonlinear Sitr Model of COVID-19**
Aslefallah M., Yüzbaşı Ş., Abbasbandy S.
CMES - COMPUTER MODELING IN ENGINEERING AND SCIENCES, vol.136, pp.1687-1706, 2023 (SCI-Expanded)
7. **A Pell–Lucas Collocation Approach for an SIR Model on the Spread of the Novel Coronavirus (SARS CoV-2) Pandemic: The Case of Turkey**
Yüzbaşı Ş., Yıldırım G.
MATHEMATICS, vol.11, no.3, pp.697-719, 2023 (SCI-Expanded)
8. **Pell-Lucas collocation method for solving a class of second order nonlinear differential equations with variable delays**
YÜZBAŞI Ş., YILDIRIM G.
TURKISH JOURNAL OF MATHEMATICS, vol.47, no.1, pp.37-55, 2023 (SCI-Expanded)
9. **A numerical approach to solve hyperbolic telegraph equations via Pell–Lucas polynomials**
YÜZBAŞI Ş., YILDIRIM G.
Journal of Taibah University for Science, vol.17, no.1, 2023 (SCI-Expanded)
10. **A Taylor-Chebyshev approximation technique to solve the 1D and 2D nonlinear Burgers equations**
Izadi M., Yüzbaşı Ş., Baleanu D.
MATHEMATICAL SCIENCES, vol.16, pp.459-471, 2022 (SCI-Expanded)
11. **Bessel-quasilinearization technique to solve the fractional-order HIV-1 infection of CD4+ T-cells considering the impact of antiviral drug treatment**
YÜZBAŞI Ş., Izadi M.
Applied Mathematics and Computation, vol.431, 2022 (SCI-Expanded)
12. **Existence and numerical analysis using Haar wavelet for fourth-order multi-term fractional differential equations**
Amin R., Shah K., Mlaiki N., YÜZBAŞI Ş., Abdeljawad T., Hussain A.
Computational and Applied Mathematics, vol.41, no.7, 2022 (SCI-Expanded)
13. **Accurate and efficient matrix techniques for solving the fractional Lotka–Volterra population model**
Izadi M., YÜZBAŞI Ş., Adel W.
Physica A: Statistical Mechanics and its Applications, vol.600, 2022 (SCI-Expanded)
14. **A collocation method to solve the parabolic-type partial integro-differential equations via Pell–Lucas polynomials**
YÜZBAŞI Ş., YILDIRIM G.
Applied Mathematics and Computation, vol.421, 2022 (SCI-Expanded)
15. **A new Bell function approach to solve linear fractional differential equations**
YÜZBAŞI Ş.
APPLIED NUMERICAL MATHEMATICS, vol.174, pp.221-235, 2022 (SCI-Expanded)
16. **Efficient Numerical Scheme for the Solution of HIV Infection CD4(+) T-Cells Using Haar Wavelet Technique**
Amin R., YÜZBAŞI Ş., Nazir S.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.130, 2022 (SCI-Expanded)
17. **A Galerkin-type approach to solve systems of linear Volterra-Fredholm integro-differential equations**
KARAÇAYIR M., YÜZBAŞI Ş.
Turkish Journal of Mathematics, vol.46, no.8, pp.3121-3138, 2022 (SCI-Expanded)
18. **A Higher-Order Galerkin Time Discretization and Numerical Comparisons for Two Models of HIV Infection**
Attaullah A., YÜZBAŞI Ş., Alyobi S., Yassen M. F., Weera W.
Computational and Mathematical Methods in Medicine, vol.2022, 2022 (SCI-Expanded)

19. **A hybrid approximation scheme for 1-D singularly perturbed parabolic convection-diffusion problems**
Izadi M., YÜZBAŞI Ş.
Mathematical Communications, vol.27, no.1, pp.47-62, 2022 (SCI-Expanded)
20. **A Pell-Lucas approximation to solve the Abel equation of the second kind**
YÜZBAŞI Ş., YILDIRIM G.
Ricerche di Matematica, 2022 (SCI-Expanded)
21. **A matrix-collocation method for solutions of singularly perturbed differential equations via Euler polynomials**
ELMACI D., YÜZBAŞI Ş., Savaşaneril N. B.
Turkish Journal of Mathematics, vol.46, no.8, pp.3260-3275, 2022 (SCI-Expanded)
22. **An operational matrix method to solve the Lotka-Volterra predator-prey models with discrete delays**
YÜZBAŞI Ş.
CHAOS SOLITONS & FRACTALS, vol.153, 2021 (SCI-Expanded)
23. **Two Novel Bessel Matrix Techniques to Solve the Squeezing Flow Problem between Infinite Parallel Plates**
Izadi M., YÜZBAŞI Ş., Adel W.
COMPUTATIONAL MATHEMATICS AND MATHEMATICAL PHYSICS, vol.61, no.12, pp.2034-2053, 2021 (SCI-Expanded)
24. **Application of Vieta-Lucas Series to Solve a Class of Multi-Pantograph Delay Differential Equations with Singularity**
Izadi M., Yuezbasi Ş., Ansari K. J.
SYMMETRY-BASEL, vol.13, no.12, 2021 (SCI-Expanded)
25. **Dynamical behaviour of HIV Infection with the influence of variable source term through Galerkin method**
Ullah A., Jan R., Yüzbaşı Ş.
CHAOS SOLITONS & FRACTALS, vol.152, 2021 (SCI-Expanded)
26. **Spectral solutions of fractional differential equations modelling combined drug therapy for HIV infection**
Thirumalai S., Seshadri R., Yüzbaşı Ş.
CHAOS SOLITONS & FRACTALS, vol.151, 2021 (SCI-Expanded)
27. **Approximating Solutions of Non-Linear Troesch's Problem via an Efficient Quasi-Linearization Bessel Approach**
Izadi M., YÜZBAŞI Ş., Noeiaghdam S.
MATHEMATICS, vol.9, no.16, 2021 (SCI-Expanded)
28. **On the solution of the Human Immunodeficiency Virus (HIV) infection model using spectral collocation method**
Thirumalai S., Seshadri R., Yuzbasii Ş.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.14, no.2, 2021 (SCI-Expanded)
29. **Legendre Collocation Method to Solve the Riccati Equations with Functional Arguments**
YÜZBAŞI Ş., YILDIRIM G.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.17, no.10, 2020 (SCI-Expanded)
30. **An Optimization Method Based on the Generalized Polynomials for a Model of HIV Infection of CD4(+) T Cells**
HASSANI H., Mehrabi S., NARAGHIRAD E., NAGHMACHI M., YÜZBAŞI Ş.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.44, no.2, pp.407-416, 2020 (SCI-Expanded)
31. **An approximation technique for solutions of singularly perturbed one-dimensional convection-diffusion problem**
YÜZBAŞI Ş., KARAÇAYIR M.

- International Journal of Numerical Modelling: Electronic Networks, INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, vol.33, no.1, 2020 (SCI-Expanded)
32. **Introduction to the Special Issue on Numerical Methods for Differential and Integral Equations**
YÜZBAŞI Ş., Al-Khaled K., BAYKUŞ SAVAŞANERİL N., Kumar D.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.123, no.3, pp.913-915, 2020 (SCI-Expanded)
 33. **An approximation technique for solutions of singularly perturbed one-dimensional convection-diffusion problem**
YÜZBAŞI Ş., KARAÇAYIR M.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, vol.33, no.1, 2020 (SCI-Expanded)
 34. **An operational method for solutions of Riccati type differential equations with functional arguments**
YÜZBAŞI Ş.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.14, no.1, pp.661-669, 2020 (SCI-Expanded)
 35. **A Galerkin-Type Fractional Approach for Solutions of Bagley-Torvik Equations**
YÜZBAŞI Ş., KARAÇAYIR M.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.123, no.3, pp.941-956, 2020 (SCI-Expanded)
 36. **Pell-Lucas collocation method for numerical solutions of two population models and residual correction**
YÜZBAŞI Ş., YILDIRIM G.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.14, no.1, pp.1262-1278, 2020 (SCI-Expanded)
 37. **A Galerkin-like method for solving linear functional differential equations under initial conditions**
YÜZBAŞI Ş., KARAÇAYIR M.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.1, pp.85-97, 2020 (SCI-Expanded)
 38. **Pell-Lucas collocation method to solve high-order linear Fredholm-Volterra integro-differential equations and residual correction**
YÜZBAŞI Ş., YILDIRIM G.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.4, pp.1065-1091, 2020 (SCI-Expanded)
 39. **Population dynamics between a prey and a predator using spectral collocation method**
Thirumalai S., SESHADRI R., YÜZBAŞI Ş.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.12, no.5, 2019 (SCI-Expanded)
 40. **A collocation approach for solving two-dimensional second-order linear hyperbolic equations**
YÜZBAŞI Ş.
APPLIED MATHEMATICS AND COMPUTATION, vol.338, pp.101-114, 2018 (SCI-Expanded)
 41. **A Galerkin-Type Method for Solving a Delayed Model on HIV Infection of CD4(+) T-cells**
YÜZBAŞI Ş., KARAÇAYIR M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.42, no.A3, pp.1087-1095, 2018 (SCI-Expanded)
 42. **A Galerkin-Type Method to Solve One-Dimensional Telegraph Equation Using Collocation Points in Initial and Boundary Conditions**
YÜZBAŞI Ş., KARAÇAYIR M.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.15, no.5, 2018 (SCI-Expanded)
 43. **A Numerical Approach for Solving High-Order Linear Delay Volterra Integro-Differential Equations**
YÜZBAŞI Ş., KARAÇAYIR M.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.15, no.5, 2018 (SCI-Expanded)
 44. **A numerical method for solutions of Lotka-Volterra predator-prey model with time-delay**
YÜZBAŞI Ş., KARAÇAYIR M.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.11, no.2, 2018 (SCI-Expanded)
 45. **A Galerkin-Like Approach to Solve Multi-Pantograph Type Delay Differential Equations**
YÜZBAŞI Ş., KARAÇAYIR M.
FILOMAT, vol.32, no.2, pp.409-422, 2018 (SCI-Expanded)
 46. **A Taylor operation method for solutions of generalized pantograph type delay differential equations**

- YÜZBAŞI Ş., Ismailov N.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.2, pp.395-406, 2018 (SCI-Expanded)
47. **An operational matrix method for solving linear Fredholm Volterra integro-differential equations**
YÜZBAŞI Ş., Ismailov N.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.1, pp.243-256, 2018 (SCI-Expanded)
48. **An exponential method to solve linear Fredholm-Volterra integro-differential equations and residual improvement**
YÜZBAŞI Ş.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.5, pp.2546-2562, 2018 (SCI-Expanded)
49. **A Galerkin-like scheme to solve two-dimensional telegraph equation using collocation points in initial and boundary conditions**
YÜZBAŞI Ş., KARAÇAYIR M.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.74, no.12, pp.3242-3249, 2017 (SCI-Expanded)
50. **A numerical scheme for solutions of a class of nonlinear differential equations**
YÜZBAŞI Ş.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.11, no.6, pp.1165-1181, 2017 (SCI-Expanded)
51. **A numerical method for the solutions of the HIV infection model of CD4(+) T-cells**
YÜZBAŞI Ş., Ismailov N.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.10, no.7, 2017 (SCI-Expanded)
52. **A shifted Legendre method for solving a population model and delay linear Volterra integro-differential equations**
YÜZBAŞI Ş.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.10, no.7, 2017 (SCI-Expanded)
53. **Application of homotopy perturbation method to solve two models of delay differential equation systems**
YÜZBAŞI Ş., KARAÇAYIR M.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.10, no.6, 2017 (SCI-Expanded)
54. **A Laguerre Approach for the Solutions of Singular Perturbated Differential Equations**
YÜZBAŞI Ş.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.14, no.4, 2017 (SCI-Expanded)
55. **An exponential Galerkin method for solutions of HIV infection model of CD4+ T-cells**
YÜZBAŞI Ş., KARAÇAYIR M.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.67, pp.205-212, 2017 (SCI-Expanded)
56. **A Galerkin-like approach to solve continuous population models for single and interacting species**
YÜZBAŞI Ş., KARAÇAYIR M.
KUWAIT JOURNAL OF SCIENCE, vol.44, no.2, pp.9-26, 2017 (SCI-Expanded)
57. **Shifted Legendre method with residual error estimation for delay linear Fredholm integro-differential equations**
YÜZBAŞI Ş.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.11, no.2, pp.344-352, 2017 (SCI-Expanded)
58. **A Numerical Method for Solving Second-Order Linear Partial Differential Equations Under Dirichlet, Neumann and Robin Boundary Conditions**
YÜZBAŞI Ş.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.14, no.2, 2017 (SCI-Expanded)
59. **Numerical solutions of hyperbolic telegraph equation by using the Bessel functions of first kind and residual correction**
YÜZBAŞI Ş.
APPLIED MATHEMATICS AND COMPUTATION, vol.287, pp.83-93, 2016 (SCI-Expanded)
60. **An exponential collocation method for the solutions of the HIV infection model of CD4(+)T cells**
YÜZBAŞI Ş.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.9, no.3, 2016 (SCI-Expanded)

61. **Improved Bessel collocation method for linear Volterra integro-differential equations with piecewise intervals and application of a Volterra population model**
YÜZBAŞI Ş.
APPLIED MATHEMATICAL MODELLING, vol.40, no.9-10, pp.5349-5363, 2016 (SCI-Expanded)
62. **A Galerkin-like approach to solve high-order integro-differential equations with weakly singular kernel**
YÜZBAŞI Ş., KARAÇAYIR M.
KUWAIT JOURNAL OF SCIENCE, vol.43, no.2, pp.106-120, 2016 (SCI-Expanded)
63. **An exponential approach for the system of nonlinear delay integro-differential equations describing biological species living together**
YÜZBAŞI Ş., SEZER M.
NEURAL COMPUTING & APPLICATIONS, vol.27, no.3, pp.769-779, 2016 (SCI-Expanded)
64. **A collocation method for numerical solutions of fractional-order logistic population model**
YÜZBAŞI Ş.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.9, no.2, 2016 (SCI-Expanded)
65. **A collocation method based on Bernstein polynomials to solve nonlinear Fredholm-Volterra integro-differential equations**
YÜZBAŞI Ş.
APPLIED MATHEMATICS AND COMPUTATION, vol.273, pp.142-154, 2016 (SCI-Expanded)
66. **A numerical method for solving systems of higher order linear functional differential equations**
YÜZBAŞI Ş., Gök E., SEZER M.
OPEN PHYSICS, vol.14, no.1, pp.15-25, 2016 (SCI-Expanded)
67. **Shifted Legendre approximation with the residual correction to solve pantograph-delay type differential equations**
YÜZBAŞI Ş., SEZER M.
APPLIED MATHEMATICAL MODELLING, vol.39, no.21, pp.6529-6542, 2015 (SCI-Expanded)
68. **A collocation method based on the Bessel functions of the first kind for singular perturbed differential equations and residual correction**
Yuzbasi S.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.38, no.14, pp.3033-3042, 2015 (SCI-Expanded)
69. **Numerical solutions of system of linear Fredholm-Volterra integro-differential equations by the Bessel collocation method and error estimation**
Yuzbasi S.
APPLIED MATHEMATICS AND COMPUTATION, vol.250, pp.320-338, 2015 (SCI-Expanded)
70. **Laguerre approach for solving pantograph-type Volterra integro-differential equations**
Yuzbasi S.
APPLIED MATHEMATICS AND COMPUTATION, vol.232, pp.1183-1199, 2014 (SCI-Expanded)
71. **Laguerre matrix method with the residual error estimation for solutions of a class of delay differential equations**
YÜZBAŞI Ş., Gök E., Sezer M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.37, no.4, pp.453-463, 2014 (SCI-Expanded)
72. **An exponential approximation for solutions of generalized pantograph-delay differential equations**
YÜZBAŞI Ş., Sezer M.
APPLIED MATHEMATICAL MODELLING, vol.37, no.22, pp.9160-9173, 2013 (SCI-Expanded)
73. **Exponential Collocation Method for Solutions of Singularly Perturbed Delay Differential Equations**
YÜZBAŞI Ş., Sezer M.
ABSTRACT AND APPLIED ANALYSIS, vol.2013, 2013 (SCI-Expanded)
74. **Numerical solutions of singularly perturbed one-dimensional parabolic convection-diffusion problems by the Bessel collocation method**
YÜZBAŞI Ş., Sahin N.
APPLIED MATHEMATICS AND COMPUTATION, vol.220, pp.305-315, 2013 (SCI-Expanded)

75. **A collocation method to find solutions of linear complex differential equations in circular domains**
YÜZBAŞI Ş., Sezer M.
APPLIED MATHEMATICS AND COMPUTATION, vol.219, no.22, pp.10610-10626, 2013 (SCI-Expanded)
76. **An improved Bessel collocation method with a residual error function to solve a class of Lane-Emden differential equations**
YÜZBAŞI Ş., Sezer M.
MATHEMATICAL AND COMPUTER MODELLING, vol.57, no.5-6, pp.1298-1311, 2013 (SCI-Expanded)
77. **A numerical approximation for Volterra's population growth model with fractional order**
YÜZBAŞI Ş.
APPLIED MATHEMATICAL MODELLING, vol.37, no.5, pp.3216-3227, 2013 (SCI-Expanded)
78. **An exponential matrix method for solving systems of linear differential equations**
YÜZBAŞI Ş., Sezer A.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.36, no.3, pp.336-348, 2013 (SCI-Expanded)
79. **Numerical solutions of fractional Riccati type differential equations by means of the Bernstein polynomials**
Yuzbasi S.
APPLIED MATHEMATICS AND COMPUTATION, vol.219, no.11, pp.6328-6343, 2013 (SCI-Expanded)
80. **Numerical solutions of integro-differential equations and application of a population model with an improved Legendre method**
YÜZBAŞI Ş., Sezer M., Kemanci B.
APPLIED MATHEMATICAL MODELLING, vol.37, no.4, pp.2086-2101, 2013 (SCI-Expanded)
81. **Numerical solution of the Bagley-Torvik equation by the Bessel collocation method**
YÜZBAŞI Ş.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.36, no.3, pp.300-312, 2013 (SCI-Expanded)
82. **A numerical approach to solve the model for HIV infection of CD4(+)T cells**
YÜZBAŞI Ş.
APPLIED MATHEMATICAL MODELLING, vol.36, no.12, pp.5876-5890, 2012 (SCI-Expanded)
83. **A numerical approximation based on the Bessel functions of first kind for solutions of Riccati type differential-difference equations**
YÜZBAŞI Ş.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.64, no.6, pp.1691-1705, 2012 (SCI-Expanded)
84. **Bessel collocation approach for solving continuous population models for single and interacting species**
YÜZBAŞI Ş.
APPLIED MATHEMATICAL MODELLING, vol.36, no.8, pp.3787-3802, 2012 (SCI-Expanded)
85. **An efficient algorithm for solving multi-pantograph equation systems**
YÜZBAŞI Ş.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.64, no.4, pp.589-603, 2012 (SCI-Expanded)
86. **A Bessel collocation method for numerical solution of generalized pantograph equations**
YÜZBAŞI Ş., Sahin N., Sezer M.
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, vol.28, no.4, pp.1105-1123, 2012 (SCI-Expanded)
87. **A collocation approach for solving linear complex differential equations in rectangular domains**
YÜZBAŞI Ş., Sahin N., Sezer M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.35, no.10, pp.1126-1139, 2012 (SCI-Expanded)
88. **On the solutions of a system of linear retarded and advanced differential equations by the Bessel collocation approximation**
YÜZBAŞI Ş.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.63, no.10, pp.1442-1455, 2012 (SCI-Expanded)
89. **A numerical scheme for solutions of the Chen system**
YÜZBAŞI Ş.

- MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.35, no.8, pp.885-893, 2012 (SCI-Expanded)
90. **A numerical method to solve a class of linear integro-differential equations with weakly singular kernel**
YÜZBAŞI Ş., Sezer M.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.35, no.6, pp.621-632, 2012 (SCI-Expanded)
91. **On the solutions of a class of nonlinear ordinary differential equations by the Bessel polynomials**
YÜZBAŞI Ş., Şahin N.
JOURNAL OF NUMERICAL MATHEMATICS, vol.20, no.1, pp.55-80, 2012 (SCI-Expanded)
92. **A collocation approach for solving high-order linear Fredholm-Volterra integro-differential equations**
YÜZBAŞI Ş., Sahin N., YILDIRIM A.
MATHEMATICAL AND COMPUTER MODELLING, vol.55, no.3-4, pp.547-563, 2012 (SCI-Expanded)
93. **A collocation approach to solving the model of pollution for a system of lakes**
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59. **Lineer neutral gecikmeli diferansiyel denklemler için Hermite polinom yaklaşımı ve rezidüel iyileştirme**

Gök E., YÜZBAŞI Ş., Sezer M.

7. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 1 - 04 June 2012, pp.87-88

60. **Laguerre series solutions of a class of delay differential equations with the residual error estimation**

YÜZBAŞI Ş., Gök E., Sezer M.

International Conference on Applied Analysis and Algebra, İstanbul, Turkey, 1 - 04 June 2012, pp.77-78

61. **Lojistik Popülasyon Modelinin Nümerik Çözümü**

YÜZBAŞI Ş., Şahin N.

10. Matematik Sempozyumu, İstanbul, Turkey, 1 - 04 September 2011

62. **Multi-Pantograph Denklemlerin Çözümleri İçin Bir Nümerik Metot**

YÜZBAŞI Ş.

XXIV. Ulusal Matematik Sempozyumu, Bursa, Turkey, 1 - 04 September 2011, pp.135

63. **Bessel collocation method for solving a class of the nonlinear pantograph equations**

YÜZBAŞI Ş., Sezer M., Şahin N.

International Conference on Applied Analysis and Algebra, İstanbul, Turkey, 1 - 04 July 2011, pp.330-331

64. **A collocation method for solving system of linear Fredholm-Volterra integral equations with variable coefficients**

YÜZBAŞI Ş., Şahin N., Sezer M.

2nd International Symposium on Computing in Science and Engineering, Aydın, Turkey, 1 - 04 June 2011, pp.1097-1105

65. **Parçalı aralıklı Volterra integro diferansiyel denklemleri çözmek için Bessel Collocation Metodu**

YÜZBAŞI Ş.

6. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 1 - 04 June 2011, pp.144-145

66. **Yüksek mertebeden lineer diferansiyel-fark denklemlerinin nümerik çözümü için bir Bessel matris yöntemi**

YÜZBAŞI Ş.

XXIII. Ulusal Matematik Sempozyumu, Kayseri, Turkey, 1 - 04 August 2010, pp.188

67. **Lineer olmayan diferansiyel denklemlerin nümerik çözümü için bir Bessel matris yöntemi**

YÜZBAŞI Ş., Şahin N.

5. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 1 - 04 June 2010, pp.170

Academic and Administrative Experience

2019 - Continues	Scholarship and Social Services Board Membership	Akdeniz University, Faculty of Science, Department of Mathematics
2018 - Continues	Department Advisory Board Member	Akdeniz University, Faculty of Science, Department of Mathematics
2018 - Continues	Bologna Coordinator of Department of Mathematics	Akdeniz University, Faculty of Science, Department of Mathematics
2016 - Continues	Research and Development Advisory Board Membership	Akdeniz University, Faculty of Science, Department of Mathematics
2016 - Continues	Department Academic Incentive Evaluation Commission Member	Akdeniz University, Faculty of Science, Department of Mathematics
2013 - 2016	Scholarship and Social Services Board Membership	Akdeniz University, Faculty of Science, Department of Mathematics

Courses

Bitirme Çalışması II (ikinci öğretim), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
Sayısal Analiz, Undergraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013
Uzmanlık Alan Dersi, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Nümerik Analiz II , Postgraduate, 2015 - 2016, 2014 - 2015
Uygulamalı Matematik II (ikinci öğretim), Undergraduate, 2015 - 2016, 2014 - 2015
Diferansiyel Denklemler, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Bitirme Çalışması II , Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
Danışmanlık, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Uygulamalı Matematik I (ikinci öğretim), Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Uygulamalı Matematik II , Undergraduate, 2015 - 2016, 2014 - 2015
Diferansiyel Denklemler I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
Bitirme Çalışması I (ikinci öğretim), Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Nümerik Analiz I , Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Uygulamalı Matematik I , Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Diferansiyel Denklemler , Undergraduate, 2016 - 2017
Danışmanlık, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
Uygulamalı Matematik II , Postgraduate, 2014 - 2015
İşletme Matematiği (Şube 2), Undergraduate, 2014 - 2015, 2013 - 2014
İşletme Matematiği (Şube 3), Undergraduate, 2014 - 2015, 2013 - 2014
İşletme Matematiği (şube 1), Undergraduate, 2014 - 2015, 2013 - 2014
Analiz II, Undergraduate, 2014 - 2015
İşletme Matematiği (Şube 5), Undergraduate, 2014 - 2015, 2013 - 2014
Uygulamalı Matematik I , Postgraduate, 2014 - 2015
Bilimsel Hesaplamaya Giriş II (ikinci öğretim), Undergraduate, 2013 - 2014
Matematik (Şube 1), Undergraduate, 2014 - 2015, 2013 - 2014
Seminer, Doctorate, 2013 - 2014
İşletme Matematiği (Şube 4), Undergraduate, 2014 - 2015, 2013 - 2014
Matematik (Şube 2), Undergraduate, 2014 - 2015, 2013 - 2014
Matematik (Şube 3), Undergraduate, 2014 - 2015, 2013 - 2014
Diferansiyel Denklemler , Undergraduate, 2014 - 2015
Bilimsel Hesaplamaya Giriş II , Undergraduate, 2013 - 2014
Matematik (Şube 4), Undergraduate, 2014 - 2015, 2013 - 2014
Diferansiyel Denklemler, Undergraduate, 2012 - 2013
Lineer Cebir, Undergraduate, 2012 - 2013
Matematik 2, Undergraduate, 2012 - 2013
Adi Diferansiyel Denklemlerin Nümerik Çözümleri, Doctorate, 2013 - 2014
Diferansiyel Denklemler, Undergraduate, 2013 - 2014
Bitirme Çalışması 1, Undergraduate, 2013 - 2014
Genel Matematik 2, Undergraduate, 2012 - 2013
Uygulamalı Matematik (ikinci öğretim), Undergraduate, 2013 - 2014
Uygulamalı Matematik, Undergraduate, 2013 - 2014
Hipergeometrik Serilerde Seçme Konular, Doctorate, 2012 - 2013
Matematik, Undergraduate, 2013 - 2014
Adi Diferansiyel Denklemlerin Nümerik Çözümleri, Doctorate, 2013 - 2014
Kısmi Türevli Diferansiyel Denklemler, Doctorate, 2013 - 2014
Lineer Cebir, Undergraduate, 2012 - 2013
Analiz 2, Undergraduate, 2012 - 2013
Analiz 1, Undergraduate, 2012 - 2013

Advising Theses

- YÜZBAŞI Ş., CD4+T Hücrelerinin HIV Enfeksiyonu Modellerinin Yaklaşık Çözümleri İçin Lucas Kollokasyon Yöntemi, Postgraduate, A.Kurt(Student), 2021
- YÜZBAŞI Ş., Kesirli Mertebeden Lineer Diferansiyel Denklem Ve Sistemlerinin Çözümleri İçin Lucas Kollokasyon Yöntemi, Postgraduate, G.GÖK(Student), 2021
- YÜZBAŞI Ş., Diferansiyel, Fonksiyonel Diferansiyel ve İntegro-diferansiyel Denklemler ve Sistemleri için Galerkin-tipi bir Sayısal Yöntem, Doctorate, M.KARAÇAYIR(Student), 2018
- YÜZBAŞI Ş., Lineer Diferansiyel Denklem Sistemlerinin Çözümleri İçin Laguerre Kollokasyon Yöntemi, Postgraduate, G.YILDIRIM(Student), 2018
- YÜZBAŞI Ş., Dikdörtgensel bölgede lineer kompleks diferansiyel denklemlerin çözümleri için laguerre kollokasyon yöntemi, Postgraduate, H.Nur(Student), 2017
- YÜZBAŞI Ş., Gecikmeli diferansiyel denklem sistemlerinin yaklaşık çözümleri için Müntz-Legendre sıralama yöntemi, Doctorate, E.GÖK(Student), 2016

Activities in Scientific Journals

- Symmetry-Basel, Special Issue Editor, 2021 - Continues
- Annals of Artificial Intelligence Research, Committee Member, 2021 - Continues
- HIV Infection: Research Studies, Committee Member, 2019 - Continues
- Cloud Computing and Data Science, Editor, 2019 - Continues
- Contemporary Mathematics, Editor, 2019 - Continues
- Research and Communications in Mathematics and Mathematical Sciences, First Editor, 2019 - Continues
- Journal of Engineering and Applied Mathematics, Editor, 2015 - Continues
- Journal of Advances in Applied & Computational Mathematics, Editor, 2014 - Continues
- Journal of Pure and Applied Mathematics: Advances and Applications, Editor, 2013 - Continues
- Cmes-Computer Modeling In Engineering, Special Issue Editor, 2019 - 2020
- Research and Communications in Mathematics and Mathematical Sciences, Editor, 2012 - 2019
- International Journal of Differential Equations, Special Issue Editor, 2018 - 2018
- Applied Mathematics and Physics, Special Issue Editor, 2017 - 2017
- Turkish Journal Of Mathematics, Editor, 2016 - 2017

Scientific Refereeing

- Iranian Journal of Science and Technology, Transactions A: Science, SCI Journal, May 2017
- Advances in Mathematical Physics , SCI Journal, May 2017
- Advances in Difference Equations, SCI Journal, May 2017
- Research and Communications in Mathematics and Mathematical Sciences, Other Indexed Journal, March 2017
- Nonlinear Engineering Modeling and Application, Other Indexed Journal, March 2017
- Journal of Computational and Applied Mathematics, SCI Journal, March 2017
- International Journal of Biomathematics, SCI Journal, March 2017
- Nonlinear Dynamics, SCI Journal, March 2017
- Turkish Journal of Mathematics, SCI Journal, February 2017
- International Journal of Differential Equations , Other Indexed Journal, February 2017
- International Journal of Biomathematics, SCI Journal, February 2017
- Journal of Advances in Applied & Computational Mathematics, Other Indexed Journal, January 2017
- Mathematical Sciences, Other Indexed Journal, January 2017
- Advances in Mathematical Physics , Other Indexed Journal, January 2017
- Turk. J. Math. Comput. Sci., Other Indexed Journal, December 2016

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Journal of Mathematics, Other Indexed Journal, December 2016
Advances in Difference Equations, SCI Journal, December 2016
Appl Math J Chinese Univ, Other Indexed Journal, November 2016
International Journal of Biomathematics, SCI Journal, November 2016
Journal of Applied Mathematics and Computing, Other Indexed Journal, November 2016
IEEE Transactions on Circuits and Systems II: Express Briefs, SCI Journal, November 2016
International Journal of Computer Mathematics, SCI Journal, November 2016
Nonlinear Dynamics, SCI Journal, November 2016
Turkish Journal of Mathematics, SCI Journal, November 2016
Research and Communications in Mathematics and Mathematical Sciences, Other Indexed Journal, October 2016
Turkish Journal of Mathematics, SCI Journal, October 2016
Turk J Math Comput Sci (TJMCS), Other Indexed Journal, October 2016
Kuwait Journal of Science, SCI Journal, October 2016
Journal of the Association of Arab Universities for Basic and Applied Sciences , Other Indexed Journal, September 2016
Neural Computing and Applications, SCI Journal, September 2016
International Journal of Differential Equations, Other Indexed Journal, September 2016
Journal of Applied Mathematics, SCI Journal, September 2016
Alexandria Engineering Journal, Other Indexed Journal, August 2016
International Journal of Numerical Methods for Heat and Fluid Flow, SCI Journal, July 2016
Turkish Journal of Mathematics, SCI Journal, July 2016
Neural Computing and Applications, SCI Journal, June 2016
Applications and Applied Mathematics: An International Journal (AAM), Other Indexed Journal, June 2016
Turkish Journal of Mathematics, SCI Journal, June 2016
International Journal of Numerical Methods for Heat and Fluid Flow, SCI Journal, June 2016
Engineering Computations, SCI Journal, June 2016
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New Trends in Mathematical Sciences, Other Indexed Journal, May 2016
Iranian Journal of Science and Technology, Transactions A: Science, SCI Journal, May 2016
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The European Physical Journal - Plus, SCI Journal, May 2016
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Applied Soft Computing, SCI Journal, April 2016
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Journal of King Saud University (Science), Other Indexed Journal, October 2015
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Kuwait Journal of Science, SCI Journal, September 2015
Iranian Journal of Mathematical Sciences and Informatics, Other Indexed Journal, September 2015
Filomat, SCI Journal, August 2015
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Zeitschrift für Naturforschung C, SCI Journal, August 2015
Applied Mathematics and Computation, SCI Journal, August 2015
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Neural Computing and Applications, SCI Journal, July 2015
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New Trends in Mathematical Sciences , Other Indexed Journal, June 2014
Journal of Applied Mathematics, SCI Journal, May 2014
Mathematical Methods in the Applied Sciences, SCI Journal, May 2014
African Journal of Mathematics and Computer Science Research, Other Indexed Journal, April 2014
International Journal of the Physical Sciences, Other Indexed Journal, March 2014
International Journal of Physical Sciences, Other Indexed Journal, March 2014
Bulletin of the Belgian Mathematical Society, SCI Journal, March 2014
Ain Shams Engineering Journal, Other Indexed Journal, March 2014
Journal of Applied Mathematics and Computing, Other Indexed Journal, February 2014
Journal of Applied Mathematics, SCI Journal, February 2014
Journal of Computational and Nonlinear Dynamics, Other Indexed Journal, February 2014
Ain Shams Engineering Journal, Other Indexed Journal, February 2014
Ain Shams Engineering Journal, Other Indexed Journal, December 2013
Journal of Science (Kharazmi University), Other Indexed Journal, December 2013
University of Ordu Journal of Science and Technology, Other Indexed Journal, October 2013
Ain Shams Engineering Journal, Other Indexed Journal, October 2013
International Journal of Physical Sciences, Other Indexed Journal, October 2013
Journal of Science (Kharazmi University), Other Indexed Journal, October 2013
Applied Mathematical Modelling, SCI Journal, September 2013
Scientific Research and Essays, Other Indexed Journal, September 2013

Applied Mathematics & Information Sciences, SCI Journal, September 2013
International Journal of Computer Mathematics, Other Indexed Journal, August 2013
World Applied Science Journal, Other Indexed Journal, July 2013
Journal of Applied Mathematics and Informatics, Other Indexed Journal, June 2013
International Journal of Computer Mathematics, Other Indexed Journal, June 2013
Ain Shams Engineering Journal, Other Indexed Journal, June 2013
Applied and Computational Mathematics , SCI Journal, May 2013
Turkish Journal of Mathematics, SCI Journal, May 2013
Ain Shams Engineering Journal, Other Indexed Journal, May 2013
Applied Mathematical Modelling, SCI Journal, April 2013
Abstract and Applied Analysis, SCI Journal, April 2013
International Journal of Computer Mathematics, Other Indexed Journal, March 2013
Journal of Pure and Applied Mathematics: Advances and Applications, Other Indexed Journal, March 2013
Journal of Pure and Applied Mathematics: Advances and Applications, Other Indexed Journal, March 2013
Advanced Research in Dynamical & Control Systems, Other Indexed Journal, March 2013
Journal of the Franklin Institute, Other Indexed Journal, March 2013
Mathematical and Computational Applications, Other Indexed Journal, March 2013
Mathematical and Computational Applications, Other Indexed Journal, March 2013
Mathematical and Computer Modelling, SCI Journal, February 2013
World Journal of Modeling and Simulation, Other Indexed Journal, February 2013
Abstract and Applied Analysis, SCI Journal, February 2013
World Journal of Modeling and Simulation, Other Indexed Journal, January 2013
Scientific Research and Essays, Other Indexed Journal, January 2013
IMA Journal of Mathematical Control and Information, SCI Journal, January 2013
Journal of the Franklin Institute, Other Indexed Journal, January 2013
World Applied Science Journal, Other Indexed Journal, January 2013
Nonlinear Analysis: Modelling and Control, Other Indexed Journal, October 2012
International Journal of Nonlinear Science, Other Indexed Journal, October 2012
Journal of the Franklin Institute, Other Indexed Journal, October 2012
Journal of the Franklin Institute, Other Indexed Journal, October 2012
Journal of Applied Mathematics and Computing, Other Indexed Journal, August 2012
Journal of Advanced Research in Scientific Computing, Other Indexed Journal, August 2012
Ain Shams Engineering Journal, Other Indexed Journal, July 2012
IMA Journal of Mathematical Control and Information, SCI Journal, June 2012
Mathematical Methods in the Applied Sciences, SCI Journal, June 2012
Ain Shams Engineering Journal, Other Indexed Journal, May 2012
Applied Mathematical Modelling, SCI Journal, May 2012
Discrete Dynamics in Nature and Society, SCI Journal, May 2012
Applicable Analysis, Other Indexed Journal, May 2012
Applications and Applied Mathematics: An International Journal (AAM), Other Indexed Journal, April 2012
Ain Shams Engineering Journal, Other Indexed Journal, March 2012
Applicable Analysis, Other Indexed Journal, March 2012
Applications and Applied Mathematics: An International Journal (AAM), Other Indexed Journal, February 2012
International Journal of Nonlinear Sciences and Numerical Simulation, Other Indexed Journal, February 2012
Applications and Applied Mathematics: An International Journal (AAM) , Other Indexed Journal, January 2012

Metrics

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H-Index (WoS): 22

H-Index (Scopus): 22

Congress and Symposium Activities

- 13th International Conference of Strategic Research on Scientific Studies and Education (ICoSReSSE), Attendee, Antalya, Turkey, 2021
2. INTERNATIONAL CONGRESS ON MATHEMATICS AND GEOMETRY, Attendee, Ankara, Turkey, 2021
2. AL FARABI INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Attendee, Nakhchivan, Azerbaijan, 2021
1. INTERNATIONAL CONGRESS ON MATHEMATICS AND GEOMETRY, Moderator, Ankara, Turkey, 2020
- INTERNATIONAL CONGRESS ON MATHEMATICS AND GEOMETRY, Attendee, Ankara, Turkey, 2020
- TURK-COSE 2020: 2nd International Turkish World Science and Engineering Congress, Attendee, Niğde, Turkey, 2020
- 5 th International Congress on Multidisciplinary Studies, Attendee, Ankara, Turkey, 2018
- 5 th International Congress on Multidisciplinary Studies, Attendee, Antalya, Turkey, 2018
- Türk Akademik Araştırmalar Dergisi Uluslararası Multidisipliner Kongresi (TARRC), Attendee, Antalya, Turkey, 2018
- International Conference on Mathematics (ICOM), Attendee, İstanbul, Turkey, 2018
- International Conference on Mathematics and Mathematics Education (ICMME-2018), Attendee, Ordu, Turkey, 2018
- 2nd International Conference on Advances in Science, Attendee, İstanbul, Turkey, 2017
- International Conference on Applied Analysis and Mathematical Modelling, Attendee, İstanbul, Turkey, 2017
- 15th International Geometry Symposium, Attendee, Amasya, Turkey, 2017
- II. International Symposium on Multidisciplinary Studies, Attendee, Rome, Italy, 2017
- International Conference on Mathematics and Engineering, Attendee, İstanbul, Turkey, 2017
- International Conference on Applied Mathematics and Analysis (ICAMA2016), Attendee, Ankara, Turkey, 2016
- International Conference on Quantum Science and Applications (ICQSA-2016), Attendee, Eskişehir, Turkey, 2016
- International Conference on Quantum Science and Applications (ICQSA-2016), Attendee, Turkey, 2016
- International Conference on Quantum Science and Applications (ICQSA-2016), Attendee, Turkey, 2016
- 14th Uluslararası Geometri Sempozyumu, Attendee, Turkey, 2016
- 14th Uluslararası Geometri Sempozyumu, Attendee, Denizli, Turkey, 2016
- International Conference on Advancements in Mathematical Sciences (AMS), Attendee, Antalya, Turkey, 2015
28. Ulusal Matematik Sempozyumu, Attendee, Antalya, Turkey, 2015
13. Matematik Sempozyumu, Attendee, Karabük, Turkey, 2014
- Karatekin Mathematics Days, Attendee, Çankırı, Turkey, 2014
- 4th International Conference of Matrix Analysis and Applications, Attendee, Konya, Turkey, 2013
- International Conference on Applied Analysis and Mathematical Modelling, Attendee, İstanbul, Turkey, 2013
8. Ankara Matematik Günleri Sempozyumu, Attendee, Ankara, Turkey, 2013
- 4th International Conference on Mathematical and Computational Applications, Attendee, Manisa, Turkey, 2013
- The 2nd International Conference on Computation for Science and Technology, Attendee, Niğde, Turkey, 2012
- The 2nd International Conference on Computation for Science and Technology, Attendee, Niğde, Turkey, 2012
- International Conference on Applied Analysis and Algebra, Attendee, İstanbul, Turkey, 2012
7. Ankara Matematik Günleri Sempozyumu, Attendee, Ankara, Turkey, 2012
- XXIV. Ulusal Matematik Sempozyumu, Attendee, Bursa, Turkey, 2011
10. Matematik Sempozyumu, Attendee, İstanbul, Turkey, 2011
- 2nd International Symposium on Computing in Science and Engineering, Attendee, Aydın, Turkey, 2011
- International Conference on Applied Analysis and Algebra, Attendee, İstanbul, Turkey, 2011
6. Ankara Matematik Günleri Sempozyumu, Attendee, Ankara, Turkey, 2011
- XXIII. Ulusal Matematik Sempozyumu, Attendee, Kayseri, Turkey, 2010
- Fifth RISC/SCIENCE Training School in Symbolic Computation, Attendee, Hagenberg, Austria, 2010
5. Ankara Matematik Günleri Sempozyumu, Attendee, Ankara, Turkey, 2010

Research Areas

Mathematics, Differential Equations, Functional Equations, Integral Equations, Integral Transformations, Computational Calculation, Partial Differential Equations, Special Functions, Numerical Analysis, Approximations and Expansions, Natural Sciences