

Full Name

Mehmet CAN

Birth Place and Date

Tire/IZMIR 08/04/1943

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International University of Sarajevo,
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ACADEMIC DEGREES

Professor

Istanbul Technical University,
April 1992

Assoc. Professor

Istanbul Technical University,
December 1985

Ass. Assoc. Professor

Istanbul Technical University,
May 1982

Ph. D.

Boğaziçi University
Department of Mathematics,
March 1981

M. S.

Boğaziçi University
Department of Mathematics,
June 1978

B. S.

Ege University Department of
Mathematics-Astronomy,
June 1966

RESEARCH INTERESTS

- Integrability theory of differential equations,
- Lie group analysis of differential equations,
- Local existence of solutions of quasilinear parabolic and hyperbolic partial differential Equations,
- Global nonexistence of solutions of quasilinear parabolic and hyperbolic equations,
- Painlevé analysis of differential equations,
- Lie-Backlund transformations and conservation laws of differential equations,
- Nonlinear Dynamical systems, bifurcations, fractals and chaos,
- Fuzzy sets, fuzzy linear programming and fuzzy decision making.
- Mathematical modeling.
- Bioinformatics.
- Machine Learning.
- Artificial Intelligence.

EMPLOYMENT HISTORY

05/82 - 12/85 Assistant Associate Professor: Istanbul Technical University Faculty of Sciences and Letters, Department of Mathematics,

Teaching graduate and undergraduate courses
Supervising master and PHD dissertation theses
Research in completely integrable systems and soliton equations.

08/86 - 03/87 Research Associate: Clarkson University, Potsdam, New York.
Department of Mathematics and Computer Sciences,

Research on the initial value problems for the Painlevé equations.
Research in the isomonodromic transformations of the differential equations.

09/89 - 09/90 Visiting Associate Professor: Turkish Republic of Northern Cyprus,
Eastern Mediterranean University, Faculty of Sciences, Department of Applied
Mathematics and Computer Sciences,

Teaching graduate and undergraduate courses
Supervising master and PHD. dissertation theses
Research in the similarity reductions of the differential equations.

12/85 - 04/92 Associate Professor: Istanbul Technical University Faculty of Sciences
and Letters, Department of Mathematics,

Teaching graduate and undergraduate courses
Supervising master and PHD dissertation theses
Research in the isomonodromic transformations of the differential equations.

09/96 - 09/97 Part time Visiting Professor: Fatih University, Faculty of Sciences,
Department of Mathematics

Teaching graduate and undergraduate courses
Supervising master theses
Research in the theory of the differential equations.

12/00 - 06/01 Part time Visiting Professor: Air Force Academy, Yesilköy, Istanbul.

Teaching undergraduate courses
Supervising the mathematics curriculum development

09/01 - 09/02 Part time Visiting Professor: Bilgi University, Faculty of Sciences,
Department of Mathematics, Istanbul.

Teaching undergraduate courses

04/92 -05/05 Professor, Istanbul Technical University Faculty of Sciences and Letters,
Department of Mathematics,

Teaching graduate and undergraduate courses
Supervising master and PHD dissertation theses
Research in the theory of the differential equations.

05/05- 07/10 Professor, International University of Sarajevo, Faculty Engineering and
Natural Sciences,

Teaching graduate and undergraduate courses
Supervising master and PHD dissertation theses
Research in Fuzzy logic and engineering applications, bioinformatics, machine
learning, and artificial intelligence.

09/10 - Emeritus Professor, International University of Sarajevo, Faculty Engineering
and Natural Sciences,

Teaching graduate and undergraduate courses
Supervising master and PHD dissertation theses
Research in Fuzzy logic and engineering applications, bioinformatics, machine
learning, and artificial intelligence.

M. CAN'S ARTICLES IN MATHEMATICS

1. E. Hızal and M. Can, A dispersive wave solution to the Korteweg-de Vries equation, Bull. Tech. Univ. Istanbul, Vol. 38, No.2, 283-293 (1985)
2. M. Can and A. Askar, Resonant non-linear waves-III. Elastic continuum with quadratic non-linearity, Int. J. Non-Linear Mech., Vol. 20, No.2, 103-111 (1985)
3. M. Can and A. Askar, Resonant non linear waves-IV. Continuous and discontinuous solutions and an assessment of modal analyses, Int. J. Non-Linear Mech. Vol. 20, No.2, 113-119 (1985)
4. 4. E. Hızal, and M. Can, A dispersive wave solution to the Korteweg De-Vries equation, Bull. Tech. Univ. Istanbul, Vol. 38, 283-293, (1985)
5. T.M. Khan and M. Can, On the initial value problems for the second Painlevé equation, Bull. Tech. Univ. Istanbul, Vol. 42, 43-52, (1989)
6. M. Can, Comment on 'Stokes phenomena and the monodromy deformation for the non-linear Schrödinger equation, J. Phys. A: Math. Gen. Vol. 22, 919-920 (1989)
7. M. Can and A. Askar, Non-linear elastic surface gravity waves. Continuous and discontinuous solutions, Journal of Wave Motion, Vol. 12, 485-495 (1990)
8. M. Can, On the relation between nonlinear Schrödinger equation and Painleve IV equation, II Nuovo Cimento, Vol. 106B, no. 2 205-207 (1990)
9. T. M. Khan and M. Can, The initial value problem and some special solutions of the fourth Painlevé equation, Bull. Tech. Univ. Istanbul, Vol. 43, no.3 397-412 (1990)
10. T. M. Khan and M. Can, On the special solutions of the second Painlevé equation, Bull. Tech. Univ. Istanbul, Vol. 43, no.3 413-420 (1990)
11. M. Can, Self similar solutions of the nonlinear Schrödinger equation, Bull. Tech. Univ. Istanbul, Vol. 43, no.4 505-520 (1990)
12. M. Can, Numerical integration methods for a nonlinear diffusion equation, The Arabian J. for Science and Eng. Vol. 17, no. 4B 647-653 (1993)
13. M. Can, On the self similar solutions of the nonlinear Schrödinger equation, Proceedings of Eqadiff91, World Scientific, Eds. C. Parello, C. Simone J. Sola-Morales, 352-357 (1993)
14. M. Can, Self similar isomonodromy solutions of nonlinear Schrödinger equation, Hamiltonian Mechanics, Integrability and Chaotic Behavior, Ed. J. Seimenis, Nato ASI Series, Series B: Physics Vol. 331, Plenum, New York, 391 - 398 (1994)
15. A. Mohammad and M. Can, Painlevé analysis and exact solutions of the complex modified Korteweg-de Vries equation, Bulletin of Istanbul Technical University, 47, No.4, 377-390 (1994)

16. A. A. Mohammad and M. Can, Classical Lie symmetries and similarity reductions of the CMKdV II equation, Invited Lectures and Short Communications Delivered at Sixth International Colloquium on Differential Equation, August 18-23 1995 Plovdiv, Bulgaria, Drumi Bainov Ed., Volume I, pp 247-254 (1995).
17. A. Mohammad and M. Can, Exact solution of the complex modified Korteweg-de Vries equation, J. Phys. A: Math. Gen., 28 3223-3233 (1995)
18. A. A. Mohammad and M. Can, Painlevé analysis and symmetries of the Hirota-Satsuma equation, J. Nonlinear Math. Phys., 3(1-2) 152-155 (1996)
19. Y. A. Mamedov, and M. Can, Application of the residue method to a mixed problem, Turkish J. Math., 20 (3) 305 - 322 (1996)
20. M. Can, Lie symmetries of differential equations by computer algebra, Math. and Comp. Applications 1 (1) 15-20 (1996)
21. M. Can, Lie symmetries and Painlevé test for the Nagumo equation, Balkan Phys. Lett., 4(4) 246-250 (1996)
22. A. A. Mohammad and M. Can, Painlevé analysis and infinite symmetries of the CMKdV II equation, Turkish J. Math., 21(3) 303-309 (1997).
23. M. Can, S.R. Park and F. Aliyev, Nonexistence of global solutions of some quasilinear Hyperbolic equations, Journal of Mathematical Analysis and Applications, 213 540-553 (1997).
24. V. Bayrak and M. Can, Nonexistence of global solutions of the quasilinear hyperbolic equation of the vibrations of a riser, Math. and Comp. Applications, 2 (1) 45-52 (1997).
25. V. Bayrak, M. Can and F. Aliyev, Nonexistence of global solutions of a quasilinear hyperbolic equation, Math. Inequalities and Applications, 1 (3) 367-374 (1998).
26. V. Bayrak and M. Can: Nonexistence of global solutions of a quasilinear bi-hyperbolic equation with dynamical boundary conditions, E.J. Qualitative Theory of Diff. Eqn., No. 3. (1999), pp. 1-10.
27. M. F. Can, and M. Can, Modeling Adsorption in Fixed Bed Column Reactors, Chemistry and Industry, volume: 38, No: 218-224, June 2005 pages: 23-29.
28. Rukiye Kara, and Mehmet Can, Ratio-Dependent Food Chain Models with Three Trophic Levels, International Journal of Computer Science, Volume 1, No: 2, pp. 85-92, 2006.
29. Rukiye Kara, and Mehmet Can, Üç Canlı Türünün Oluşturduğu Besin Zinciri Modelinde Kaos, Journal of Istanbul Kültür University, 2006/2, pp. 53-89, 2006.
30. Rukiye Kara, and Mehmet Can, Ekolojik Bir Modelin Kaotik Dinamikleri, Istanbul Kültür Üniversitesi Güncesi, Fen ve Müh. Bil. C IV, Sayı 3, ss. 167-172, Ekim 2006.

31. Rukiye Kara, and Mehmet Can, Four and Five Dimensional Metapopulation Models, Iranian Journal of Science and Technology, (submitted), 2006.
32. Rukiye Kara, and Mehmet Can, Chaos in Food Chain Models, Journal of Contemporary Mathematics, (accepted for publication), 2006.
33. Rukiye Kara, and Mehmet Can, Hopf Point Analysis for Ratio-Dependent Food Chain Models, Mathematical and Computational Applications, Vol. 13, No. 1, pp. 9-22, 2008.
34. Ali OsmanKusakci, Mehmet Can, An adaptive penalty based covariance matrix adaptation–evolution strategy, Computers & Operations Research 40 (2013) 2398–2417.

M. CAN’S ARTICLES IN BIOINFORMATICS, MACHINE LEARNING, AND ARTIFICIAL INTELLIGENCE

JOURNAL ARTICLES

- A. O. Kusakci and Can, M., “An Adaptive Evolution Strategy for Constrained Optimization Problems in Engineering Design”, Int. J. of Bio-Inspired Computation (IJBIC), vol. 6, no. 3, p. 7, 2014.
- M. Can, “ Authorship Attribution Using Principal Component Analysis And Competitive Neural Networks”, Mathematical and Computational Applications, vol. 19, no. 1, p. 6, 2014.
- S. Gagula-Palalic and Can, M., “An Organized Committee of Artificial Neural Networks in the Classification of Human Chromosomes”, International Journal of Computer Applications, vol. 80, no. 8, 2013.
- M. Can, “Boosted Networks for the Diagnosis of Cardiovascular Diseases”, Periodicals of Engineering And Natural Sciences, vol. 1, no. 2, p. 12, 2013.
- A. O. Kusakci and Can, M., “An adaptive penalty based covariance matrix adaptation–evolution strategy”, Computers & Operations Research, no. 40, p. 20, 2013.
- A. Jamak, Savatic, A., and Can, M., “Principal Component Analysis for Autorship Attribution”, Business Systems Research, vol. 3, no. 2, 2012.
- R. Kara and Can, M., “Hopf Point Analysis for Ratio-Dependent Food Chain Models”, Mathematical and Computational Applications, vol. 13, no. 1, 2007.
- R. Kara and Can, M., “Ratio-Dependent Food Chain Models with Three Trophic Levels”, International Journal of Computer Science, vol. 1, no. 2, p. 8, 2006.

- F. B. Akçeşme and M. Can, Three Variable Cancer Angiogenesis models, Vol. 1, No.1, 2012, pp. 1-7
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- M. Can, Mathematical Models of Tumor Growth and Angiogenesis, Vol. 1, No.1, 2012, pp. 11-18
- M. Can and R. Kara, Bifurcation Analysis for Metapopulation Models, Vol. 1, No.1, 2012, pp. 19-26
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- M. Can, Cournot Model of Duopoly with Incomplete Information, Vol. 1, No.1, 2012, 33-36
- S. Gagula-Palalic, and M. Can, Inventory Control Using Fuzzy Dynamic Programming, Vol. 1, No.1, 2012, pp. 37-42
- Alp Kor and M. Can, A Fuzzy Model for A Multistage Supply Chain System Controlled By Kanban, Vol. 1, No.1, 2012, pp. 43-48
- A. Jamak, A. Savatic, and M. Can, Principal Component Analysis for Authorship Attribution, Vol. 1, No.1, 2012, pp. 49-56
- M. Can, A. Jamak, and A. Savatic Teaching Neural Networks to Detect the Authors of Texts Using Lexical Descriptors, Vol. 1, No.1, 2012, pp. 57-72
- M. Can, K. Karadžuzovic Hadžiabdić, and N. M. Demir, Teaching Neural Networks to Classify the Authors of Texts, Vol. 1, No.1, 2012, pp.73-80
- A. Savatic, A. Jamak, and M. Can, Detecting the Authors of Texts by Neural Network Committee Machines, Vol. 1, No.1, 2012, pp. 81-92
- M. Can, Fuzzy Multiple Objective Models For Facility Location Problems, Vol. 1, No.1, 2012, pp. 93-98
- M. Can, Principal Component Analysis and Neural Networks for Authorship Attribution, Vol. 1, No.1, 2012, pp. 99-114
- S. Gagula-Palalic¹, M. Can, Fuzzy C-means Model and Algorithm for Data Clustering, Vol. 1, No.1, 2012, pp. 115-119
- M. Can, O. Gürsoy, B. Akcesme, and F. B. Akcesme, Leaf Area Assessment By Image Analysis, Vol. 1, No.2, 2012, pp. 9-11
- A. O. Kusakci, and M. Can, Constrained Optimization with Evolutionary Algorithms: A Comprehensive Review, Vol. 1, No.2, 2012, pp.16-24
- M. Can, and N. Bajram, A Stochastic Programming Approach For Multi-Period Portfolio Optimization With Transaction Costs, Vol. 1, No.2, 2012, pp. 25-30
- M. Can, and S. Gagula-Palalic, Application of Ensemble Machines of Neural Networks to Chromosome Classification, Vol. 1, No.2, 2012, pp. 31-35
- M. Can, Authorship Attribution Using Principal Component Analysis and Nearest Neighbor Rule for Neural Networks, Vol. 1, No.2, 2012, p. 36-47

N. Bajram, and M. Can, A Stochastic Programming Approach for Multi-Period Portfolio Optimization, Vol. 1, No.2, 2012, pp. 48-55

S. Gagula-Palalic, and M. Can, Extracting Gray Level Profiles of Human Chromosomes by Curve Fitting, Vol. 1, No.2, 2012, pp. 66-71

S. Gagula-Palalic, and M. Can, Extracting Gray Level Profiles of Human Chromosomes by Curve Fitting, Vol. 1, No.2, 2012, pp. 80-83

Mehmet Can, Diagnosis of Parkinson's Disease by Boosted Neural Networks, Vol. 2, No.1, 2013, pp. 7-13.

Indira Rustempasic, Mehmet Can, Diagnosis of Parkinson's Disease using Fuzzy C-Means Clustering and Pattern Recognition, Vol. 2, No.1, 2013, pp. 42-49.

Mehmet Can, Denver Groups Classification of Human Chromosomes Using Fuzzy C-Means Clustering, Vol. 2, No.1, 2013, pp. 56-60.

Mehmet Can, Neural Networks to Diagnose the Parkinson's Disease, Vol. 2, No.1, 2013, pp. 68-75.

Mehmet Can, Committee Machine Networks to Diagnose Cardiovascular Diseases, Vol. 2, No.1, 2013, pp. 76-83.

Ali Osman Kusakci, Mehmet Can, Performance Evaluation of Nature-Inspired Algorithms in constrained Optimization, Vol. 2, No.1, 2013, pp. 84-90

Mehmet Can, Diagnosis of Cardiovascular Diseases by Boosted Neural Networks, Vol. 2, No.1, 2013, pp. 91-101.

Indira Rustempasic, Mehmet Can, Diagnosis of Parkinson's Disease using Principal Component Analysis and Boosting Committee Machines, Vol. 2, No.1, 2013, pp. 102-109.

Una Glamočlija, and Mehmet Can, Analysis of cancer incidence and mortality in Bosnia and Herzegovina and comparison with Slovenia, Croatia and Serbia, Vol. 2, No.2, 2013, pp. 1-11.

Busra Gheith, and Mehmet Can, DNA Sequencing, Vol. 2, No.2, 2013, pp. 15-20.

Sadina Gagula-Palalic, and Mehmet Can, Denver Groups Classification of Human Chromosomes Using CANN Teams, Vol. 2, No.2, 2013, pp. 21-25.

Sadina Gagula-Palalic, and Mehmet Can, Denver Groups Classification of Human Chromosomes: Mixed Signals in CANNT, Vol. 2, No.2, 2013, pp. 46-51.

Sadina Gagula-Palalic, and Mehmet Can, Denver Groups Classification of Human Chromosomes Using CANN Teams Supplemented by a Nearest Neighbor Technique CANNT-S, Vol. 2, No.2, 2013, pp. 63-68.

Mehmet Can, and Hüseyin Lutin, Randomized Algorithms in Bioinformatics: RANDOMIZEDCAMSORT, Vol. 2, No.2, 2013, pp. 83-87.

Mehmet Can, Šadi Fadda, Using Neural Networks to Forecast the Implied Volatility: the Case of S&P100XEO, Vol 3, No.1, 2014, pp. 10-17.

Mehmet Can, Šadi Fadda, A Nonparametric Approach to Pricing Options, Learning Networks, Vol 3, No.1, 2014, pp. 45-57.

Mehmet Can, Betul Akcesme, Faruk Berat Akcesme, Predicting The Secondary Structure Of Proteins By The Use Of Hamming Distances And Alignment Scores, Vol 3, No.2, 2014, pp. 35-39.

M. Can, Conformational Parameters for Amino Acids in Helical, β -Sheet, and Random Coil Regions Calculated from Proteins: After 40 Years, Vol 4, No.1, 2015, pp. 1-6.

B. Akcesme, and M. Can, Historical Criteria for Structural Classes of Proteins in Percentages: After 20 Years, , Vol 4, No.1, 2015, pp. 13-18.

F. B. Akcesme, M. Can, Protein Secondary Structure Prediction by Using PSSM Pseudo Digital Image of Proteins, , Vol 4, No.2, 2015, pp. 8-12.

B. Akcesme, M. Can, " Secondary Structure and Neighbor Preferences of Amino Acids, , Vol 4, No.2, 2015, pp. 52-59.

F. B. Akcesme, M. Can, "Secondary Structure Segments are Much More Conserved than Primary Sequence Segments, , Vol 4, No.2, 2015, pp. 60-65.

F. B. Akcesme, M. Can, Protein Secondary Structure Prediction Using Super-chains in PDB, , Vol 5, No.1, 2016, pp. 1-4.

F. B. Akcesme, M. Can, A Promising Similarity Based Secondary Structure Prediction Method, , Vol 5, No.1, 2016, pp. 15-20,

M. Can, Digital Image Techniques for the Comet-FISH Assay in the Search for DNA Damage and Repair, , Vol 5, No.1, 2016, pp. 27-31.

B. Akcesme, M. Can, Support Vector Machines for Predicting Protein Structural Classes via Pseudo Images Derived From Amino Acid Sequences, , Vol 5, No.1, 2016, pp. 45-57.

Mehmet Can, Four-Color Coloring of a Partial Map of Europe, , Vol 5, No.2, 2016, pp. 8-10

Muhamed Adilovic, Faruk B. Akcesme, and Mehmet Can, On the Accuracy of Sequence Similarity Based Protein 3D Prediction, , Vol 6, No.1, 2017, pp. 1-7.

Shadi Fadda, and Mehmet Can, Forecasting Conditional Variance of S&P100 Returns Using Feedforward and Recurrent Neural Networks, , Vol 6, No.1, 2017, pp. 58-69.

B. Akcesme, F. Akcesme, M. Adilovic, M. Can, Recurrent Neural Networks for Linear B-Epitope Prediction in Antigens, , Vol 6, No.2, 2017, pp. 1-7.

M. Can, Hydrophilicity of Linear B-Epitopes, , Vol 6, No.2, 2017, pp. 33-39.

SOME OF THE CONFERENCE CONTRIBUTIONS

2009

ISSD 2009 International Conference on Sustainable Development, June 9-10 2009 Sarajevo, Economy and Management Proceedings ISBN 978-9958-9965-0-2; M. Can, *Parameters of Islamic Finance*, pp. 24-31.

IV Bosansko Hercegovansko matematički Skup, BiH Academy of Science, June 06, 2009.

M Can, *A Problem in the Political Game Theory*

International Conference on Functional Analysis and Its Applications in Nis, hotel Aleksandar (www.hotel-aleksandar.com), June 16-18, 2009. Proceedings, M Can, *On the Norm and Circumferences of Astroids*.

2010

Ankara Matematik Gunleri, 3-4 Haziran 2010 TOBB Ekonomi ve Teknoloji Universitesi, Invited Speaker: Yükselen Finans Matematiği ve Dünya Finans Krizi.

ISSD 2010 Second International Conference on Sustainable Development, June 8-9 2010 Sarajevo, Economy and Management Proceedings ISBN 978-9958-9965-5-9; A. Sekreter, M. Can, *Sharing and Managing Risk in Islamic Finance*, pp. 55-58.

S. Demirsoy, M. Can, *Comparison of Islamic, Traditional and Alternative Utility Theories*, pp. 476-485.

2011

VI Bosanski Matematički Skup, 16 julu 2011. godine na Odsjeku za matematiku *A Short Note on Islamic Finance*

2nd International Scientific and professional Conference of Graphic Technology and Design, 9-11 June 2011, Kselajak, BiH , Proceedings, pp. 223-232.

A. Savatić, A. Jamak, and M. Can Detecting the Authors of Texts by Neural Network Committee Machines

9th International Conference on Knowledge, Economy & Management, International University of Sarajevo, BiH, June 11-13, 2011, Proceedings, pp.3607-3624.

M. Can , A. Jamak, and A. Savatic Teaching Neural Networks to Detect the Authors of Texts Using Lexical Descriptors Proceedings, pp.1393-1402.

M. Can, K. K. Hadziabdić, and N. M. Demir, *Teaching Neural Networks to Classify the Authors of Texts*.

11th International Symposium on Operations Research, Dolenjske Toplice, Slovenia, September 28-30, 2011

A. Jamak, A. Savatić, and M. Can, *Principal Component Analysis For Authorship Attribution*

2012

ISSD 2012 3rd International Conference on Sustainable Development, June 8-9 2010 Sarajevo, Books of Abstracts ISSN 2233-1565;

M. Can, *Sharing Islamic Finance as a Means of Shaping the Future of Sustainable Finance*, pp.301.

Operations Research Society in Bosnia and Herzegovina, IUSSCRG 2012“ The First Regional Conference on Soft Computing: Sarajevo, June 22 – 23, 2012

N. Bajram, M. Can, *A Stochastic Programming Approach for Multi-Period Portfolio Optimization*.

VII Bosanski Matematički Skup, 16 julu 2012. godine na Odsjeku za matematiku
A Short Note on Islamic Finance

14th International Conference on Operational Research, September 26-28, 2012, Trogir, Croatia

M. Can, *Asset- Liability Management with Transaction Costs: A Multistage Stochastic Model*

ICES 2012: 6th International Conference of the School of Economics and Business, Beyond the Economics Crisis: Lessons Learned and Challenges Ahead 12 - 13 October 2012, Sarajevo, Bosnia and Herzegovina,

M. Can, *Risks of the Stopping Profit Equalization Reserves in Islamic Banks*

2013

Operations Research Society in Bosnia and Herzegovina, The Second Regional Conference on Soft Computing: IUSSCRG 2013, Sarajevo, June 28 – 29, 2013

Mehmet Can, *Randomized algorithms in Bioinformatics*

Amina Tabak, Mehmet Can, *Queuing Theory And It's Application: Analysis of The Sales Checkout Operation at Mercator Center Sarajevo Ilidza*

2014

Operations Research Society in Bosnia and Herzegovina, The Third Regional Conference on Soft Computing: IUSSCRG 2014, Sarajevo, June 27 – 28, 2014

Šadi Fadda, Mehmet Can, *A nonparametric approach to pricing options learning networks.*

Faruk Berat Akcesme, Mehmet Can, *Protein secondary structure prediction with a neural network*

Ali Osman Kusakci ; Sadina Gagula Palalić, Mehmet Can, *Human chromosome classification using competitive support.*

2015

Operations Research Society in Bosnia and Herzegovina, 4th Regional Conference on Soft Computing: IUSSCRG 2015, 26-27 June 2015, Sarajevo Bosnia and Herzegovina

Mehmet Can , *Soft Computing Techniques in Computational Biology*

2016

Operations Research Society in Bosnia and Herzegovina, 5th Regional Conference on Soft Computing: IUSSCRG 2016, 24 June 2016, Sarajevo Bosnia and Herzegovina

Mehmet Can , *Genetic Algorithms to Predict GARCH (1,1) Financial Asset Return Volatility Model Parameters.*

2017

International Congress on Fundamental and Applied Sciences 2017 (ICFAS2017) August 21 to 25, 2017, Sarajevo, Bosnia and Herzegovina

M. Can, *A new Era in Computation: Soft Computing*

Mediterranean Natural Sciences and Engineering Congress (Mensec 2017), October 19-22, 2017, University of Donja Gorica, Podgorica, Montenegro,

M. Can, *Recurrent Neural Networks for Linear B-Epitope Prediction.*

MEHMET CAN'S BOOKS:

- H. Halilov, A. Hasanoglu, and M. Can, Yuksek Matematik 1 (1999), Literatur Yayinlari 34, ISBN: 975-8431-08-0
- H. Halilov, A. Hasanoglu, and M. Can, Yuksek Matematik 2 (2001), Literatur Yayinlari 52, ISBN: 975-8431-09-0
- M. Can, E. Taçgin, R. Köker, and C. Sarioglu, Differential Equations (2010), IUS Publications, ISBN: 978-9958-896-02-6
- M. Can, and H. Unlu, Symmetry Analysis of Differential Equations (2010), IUS Publications, ISBN: 978-9958-896-04-0
- L. Miller and M. Can, Linear Algebra (2013), IUS Publications, ISBN: 978-9958-896-14-9
- H. Unlu and Can, M., Symmetry Analysis of Differential Equations, 1st ed. 2010. ISBN: 978-9958-896-04-0

MASTER THESES:

- E. Hizel, Korteweg de Vries Denkleminin Ters Sacinin Yontemiyle Cozumu, ITU (1985).
- A. Topcu, Adi ve Kismi Diferansiyel Denklemlerin Tekillik Analizleri ve Integre Edilebilirlikleri, ITU (1997).
- I. Atabay, Lineer Olmayan Diferansiyel Denklemlerin Cozumu icin Perturbatif Painleve Yontemi, ITU (2000).
- U. Sahin, Mantik Sistemleri ve Bulanik Lineer Programlama Metodu ile Ulastirma Problemlerinin Optimizasyonu, ITU (2003).
- R. Kara, Nonlinear Dinamik Sistemlerde Kaos, Dallanma ve Fraktaller, ITU (2006).
- S. Gagula-Palalic, Fuzzy C-means Model and Algorithm for Data Clustering, IUS (2008).
- S. Demirsoy, A Comperative Study of Utility Theory Perspectives, IUS (2010).
- M. Senussi, Sound Monetary System in Islamic Economics, IUS (2010).
- N. M. Demir, Artificial Neural Network Techniques in Authoeship Attribution, IUS (2013).

PHD THESES:

T. M.Khan, Isomonodromic Deformation Methods for the Initial Value Problems of the Painleve Equations, ITU (1989).

A. Ali, Mohammad, Painleve Analysis, Lie Symmetries of Some Partial Differential Equations, ITU (1996).

Z. H. Aström, Risk Analysis For Profit and Loss Sharing Instruments, IUS (2012).

A. O. Kusakci, Constraint Optimization with Evolution Strategies: Adaptive Approaches, IUS (2013).

S. Gagula Palalic, Computer Aided System for Human Chromosome Classification, IUS (2014).

B. Akcesme, A Highly Accurate Technique for the Prediction of Protein Structural Classes, IUS (2016).

F.B. Akcesme, Avicenna: A Sequence Segments Similarity Based Secondary Structure Prediction Method, IUS (2016).