Naida Mujić

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WORK EXPERIENCE

Assistant professor
University of Sarajevo, Faculty of Electrical Engineering [2018 – Current]

City: Sarajevo
Country: Bosnia and Herzegovina

Mathematics teacher high school
Gimnazija "Visoko" [2010 – 2015]

City: Visoko
Country: Bosnia and Herzegovina

Mathematics and informatics teacher high school
Medresa "Osman-ef. Redžović" [2006 – 2018]

City: Visoko
Country: Bosnia and Herzegovina

EDUCATION AND TRAINING

PhD in Mathematics
University of Sarajevo, Department of Mathematics [2018]

Address: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

MSc in Mathematics
University of Sarajevo, Department of Mathematics [2014]

Address: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

Graduated mathematician-informatician
University of Sarajevo, Department of Mathematics [2008]

Address: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

LANGUAGE SKILLS

Mother tongue(s): **Bosnian**

Other language(s): **English**

PUBLICATION IN INTERNATIONAL JOURNALS

M. Mehuljić, J. Bektešević, V. Hadžiabdić, N. Mujić, "Global Period-Doubling Bifurcation of a Certain Second-Order Quadratic Rational Difference Equations", New Technologies, Development and Application V. NT 2022.Vol 472. Springer, Cham.

J. Bektešević, V. Hadžiabdić, M. Mehuljić, N. Mujić, "Dynamics Of A Two-Dimensional Cooperative System of Polynomial Difference Equations with Cubic Terms", Sarajevo Journal of Mathematics, Vol.18 (31), No.1, (2022), pp.127 – 160

M. R. S. Kulenović, N. Mujić, E. Pilav, "Period-Doubling and Naimark–Sacker Bifurcations of Certain Second Order Quadratic Fractional Difference Equations", International Journal of Difference Equations, Vol.15, No.1, (2020), pp. 121–152

E. Bešo, S. Kalabušić, N. Mujić, E. Pilav, "Boundedness of Solutions and Stability of Certain Second-order Difference Equation with Quadratic Term", Advances In Difference Equations 2020, 19 (2020)

E. Bešo, S. Kalabušić, N. Mujić, E. Pilav, "Basin of Attraction of the Fixed Point and Period-Two Solutions of a certain Anti-Competitive Map", Journal of Computational Analysis And Applications, Vol. 28, No.1, (2020), pp. 24-34

E. Bešo, S. Kalabušić, N. Mujić, E. Pilav, "Stability of a Certain Class of a Host-Parasitoid Models with a Spatial Refuge Effect", Journal of Biological Dynamics, Vol.14, No.1, (2019), pp.1–31

E. Bešo, S. Kalabušić, N. Mujić, E. Pilav, "Neimark-Sacker Bifurcation and Stability of a Certain Class of Host-Parasitoid Models with Host Refuge Effect", International Journal of Bifurcation and Chaos, Vol. 29, No. 12, 1950169 (2019)

E. Bešo, S. Kalabušić, N. Mujić, E. Pilav, "Stability Analysis of a Certain Class of Difference Equations by using KAM Theory", Advances In Difference Equations 2019, 209 (2019)

M. R. S. Kulenović, N. Mujić, E. Pilav, "Birkhoff Normal Forms, KAM Theory and Continua of Periodic Points for Certain Planar System", Journal of Computational Analysis And Applications, Vol.27, No.3 (2019), pp. 470-480

S. Kalabušić, N. Mujić, E. Pilav, "The Invariant Curve in a Planar System of Difference Equations", Advances in Dynamical Systems and Applications, Vol. 13, No. 1 (2018), pp. 59–71

J. Bektešević, M. Mehuljić, V. Hadžiabdić, N. Mujić, "Coexistence Between Predator and Prey in the Modified Lotka - Volterra Model", TEM Journal, 7(2), (2018), pp.330-334

J. Bektešević, M. Mehuljić, V. Hadžiabdić, N. Mujić, "The Global Behavior of an Quadratic Difference Equation", Filomat 2018, Vol.32, No.18, (2018), pp.6203–6210

PROJECTS

""Neimark-Sacker bifurcation of certain class of host-parasitoid model with host refuge effect", Ministry of Science and Education of Sarajevo Canton

[2019]

Project leader prof. dr. Senada Kalabušić

 No. 11/05-14-27665- 1/19

CONFERENCES AND SEMINARS

26th International Conference on Difference Equations and Applications – ICDEA 2021, "Stability Analysis of a Certain Second Order Rational Difference Equation", E. Bešo, S. Kalabušić, N. Mujić, E. Pilav,

[University of Sarajevo, Department of Mathematics, 26 Jul 2021 – 30 Jul 2021]

Speaker: Naida Mujić

BMS Mathematical Conference 2018, "Birkhoff Normal Forms and KAM Theory for the System $x_{n+1}=a/(x_n+y_n),y_{n+1}=x_n/y_n$", E. Bešo, S. Kalabušić, N. Mujić, E. Pilav

[University of Sarajevo, Department of Mathematics, 12 Jul 2018 – 14 Jul 2018]

Speaker: Naida Mujić

NETWORKS AND MEMBERSHIPS

Mathematical Society of Sarajevo Canton

International Society of Difference Equations (ICDE)