

## Asst. Prof. Melek Gözen

### Personal Information

**Email:** m.gozen@yyu.edu.tr

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### Education Information

Doctorate, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, Turkey 2010 - 2015

Postgraduate, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, Turkey 2008 - 2010

Undergraduate, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, Turkey 2004 - 2008

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Nötral ve Geçikme Argümanlı Diferansiyel Denklemlerine Çözümlerinin Kararlılıkları, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 2015

Postgraduate, Birinci Mertebeden Gecikmeli ve Neutral Diferansiyel Denklemlerde Çözümlerin Bazı Niteliksel Davranışları, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 2010

### Research Areas

Mathematics, Differential Equations, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Erciş İşletme Fakültesi, İşletme Bölümü, 2018 - Continues

Assistant Professor, Van Yüzüncü Yil University, Erciş İşletme Fakültesi, İşletme Bölümü, 2016 - 2018

### Academic and Administrative Experience

Van Yüzüncü Yil University, 2016 - Continues

### Courses

İşletmecilik Uygulamaları I, Undergraduate, 2017 - 2018

Olasılık ve İstatistik I, Undergraduate, 2017 - 2018

İstatistik ve olasılık I, Undergraduate, 2017 - 2018

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Boundedness of Vector Linéard Equation with Multiple Variable Delays**  
Gözen M.  
Mathematics, vol.12, no.5, 2024 (SCI-Expanded)
- II. **ON THE EXISTENCE AND UNIQUENESS OF POSITIVE PERIODIC SOLUTIONS OF NEUTRAL DIFFERENTIAL EQUATIONS**  
Gözen M.  
Journal of Nonlinear and Variational Analysis, vol.7, no.3, pp.367-379, 2023 (SCI-Expanded)
- III. **Convergence of Solutions to a Certain Vector Differential Equation of Third Order**  
TUNÇ C., Gözen M.  
ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
- IV. **Stability and Uniform Boundedness in Multidelay Functional Differential Equations of Third Order**  
TUNÇ C., Gözen M.  
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- V. **On the integrability of solutions of non-autonomous differential equations of second order with multiple variable deviating arguments**  
TUNÇ C., Altun M.  
JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, vol.14, no.5, pp.899-908, 2012 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Some new qualitative results for two dimensional nonlinear differential systems**  
Gözen M.  
Electronic Journal of Mathematical Analysis and Applications, vol.13, no.1, pp.1-13, 2025 (Peer-Reviewed Journal)
- II. **New Qualitative Outcomes for Ordinary Differential Systems of Second Order**  
Gözen M.  
Contemporary Mathematics (Singapore), vol.5, no.1, 2024 (Scopus)
- III. **On the Asymptotic Stability a System with Nonlinear Perturbations and Constant Delay**  
Gözen M.  
Applications and Applied Mathematics: An International Journal (AAM), vol.17, no.1, pp.68-80, 2022 (Peer-Reviewed Journal)
- IV. **A new result on the exponential stability of solutions of non-linear neutral type periodic systems with variable delay**  
Gözen M., Tunç C.  
INTERNATIONAL JOURNAL OF MATHEMATICS AND COMPUTER SCIENCE, vol.16, no.2, pp.753-766, 2021 (ESCI)
- V. **New Exponential Stability Criteria for Certain Neutral Integro-Differential Equations**  
Gözen M.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, pp.119-131, 2020 (Peer-Reviewed Journal)
- VI. **On the behaviors of solutions to a functional differential equation of neutral type with multiple delays**  
Gözen M., TUNÇ C.  
INTERNATIONAL JOURNAL OF MATHEMATICS AND COMPUTER SCIENCE, vol.14, no.1, pp.135-148, 2019 (ESCI)
- VII. **On the Exponential Stability of a Neutral Differential Equation of First Order**  
Gözen M., TUNÇ C.  
Journal of Mathematics and Applications, pp.95-107, 2018 (Peer-Reviewed Journal)

- VIII. **Stability in functional integro-differential equations of second order with variable delay**  
Gözen M., TUNÇ C.  
JOURNAL OF MATHEMATICAL AND FUNDAMENTAL SCIENCES, vol.49, no.1, pp.66-89, 2017 (Scopus)
- IX. **A note on the exponential stability of linear systems with variable retardations**  
Gözen M., TUNÇ C.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.11, no.3, pp.899-906, 2017 (Scopus)
- X. **On exponential stability of solutions of neutral differential systems with multiple variable delays.**  
Gözen M., Tunç C.  
Electronic Journal of Mathematical Analysis and Applications, vol.5, pp.17-31, 2017 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **New Qualitative Results for Certain Integro-Differential Equations of Second Order**  
Gözen M.  
2nd International Conference on Mathematics for a Sustainable Future (ICMSF-2024)), Multan, Pakistan, 18 - 19 December 2024, pp.42-43
- II. **NEW QUALITATIVE CRITERIA TO CERTAIN VECTOR DIFFERENTIAL EQUATIONS OF SECOND ORDER**  
Gözen M.  
ICPAM-VAN 2022, Van, Turkey, 22 - 23 June 2022, pp.91
- III. **On the Stability of Nonlinear of Neutral Integro-Differential Equations**  
Gözen M., Tunç C.  
New Trends in Mathematics and Mathematics Education, Siirt, Turkey, 1 - 03 December 2021, pp.40
- IV. **On the exponential stability of delay neutral equations with periodic coefficients**  
Gözen M., Tunç C.  
3rd INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATEMATICS (ICPAM-VAN 2020), Van, Turkey, 3 - 05 September 2020, pp.70
- V. **New Exponential Stability Criteria for Certain Neutral Differential Equations with Interval Discrete and Distributed Time-Varying Delays**  
Gözen M., TUNÇ C.  
2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Turkey, 11 - 13 September 2018, pp.73
- VI. **EXPONENTIAL STABILITY CRITERIA FOR LINEAR NEUTRAL SYSTEMS**  
Gözen M., TUNÇ C.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2018), İstanbul, Turkey, 20 - 24 June 2018, pp.1-20
- VII. **Improved criteria on exponential stability of neutral differential equations of first order**  
Gözen M., TUNÇ C.  
Caucasian Mathematics Conference II (CMC II), Van, Turkey, 22 - 24 August 2017, pp.1-14
- VIII. **A New Result On Asymptotic Stability Of Solutions Of Neutral Differential Equations**  
Gözen M., TUNÇ C.  
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.1-15
- IX. **A Delay-Dependent Stability Criterion For Certain Linear Neutral Systems with Time-Varying Delay**  
Gözen M., Tunç C.  
2nd International Conference on Pure & Applied Science, İstanbul, Turkey, 1 - 05 June 2016, pp.1-14
- X. **LMI Approach to Exponential Stability of Linear Systems with Interval Time-Varying Delays**  
Gözen M., Tunç C.  
2nd International Conference on Pure & Applied Science, İstanbul, Turkey, 1 - 05 June 2016, pp.1-15
- XI. **On Exponential Stability of Solutions of Neutral Differential System with Multiple Variable Delays**  
Tunç C., Gözen M.

## **Metrics**

Publication: 26

Citation (WoS): 10

Citation (Scopus): 29

H-Index (WoS): 2

H-Index (Scopus): 3

## **Scholarships**

2211 Doktora Burs Programı, TÜBİTAK, 2010 - Continues