

Curriculum Vitae

Name, Surname: Sinem F. Genç

Date of Birth: 1979

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Details of Educations:

Degree	Department	University	Year
B.S.	Mathematics	Eastern Mediterranean University	1996-2000
M.S.	Mathematics	Eastern Mediterranean University	2000-2002
M.S.	Secondary School Field Teaching	Near East University	2002-2003
Ph.D.	Mathematics	Eastern Mediterranean University	2005-2009

Title of the Master Thessis and Supervisor:

Stochastic Calculus with Application to Finance, Prof. Dr. Agamirza BASHIROV.

Title of the Ph.D. Thessis and Supervisor:

Kalman Filtering and Its Generalizations, Prof. Dr. Agamirza BASHIROV.

Employments:

Current employment:

Currently(2025-2026 Fall) working as Ph.D part time academic staff at the Department of Mathematics, EMU

Previous employment:

- (2009-2025) working as Ph.D part time academic staff at the Department of Mathematics, EMU
- 2004-2009: Doctoral Reseracher (full time paid position) at the Department of Mathematics, EMU
- 2002:2004: Part time MS academic staff at the Department of Mathematics, EMU
- 2000-2002: Master Reseracher (full time paid position) at the Department of Mathematics, EMU

Papers:

- A.E. Bashirov, Z. Mazhar and S.F. Erturk. (2009), Kalman Filtering for delayed observation noise, *Applied and Computational Mathematics*, V.12, N.3,2013,pp 325-338. (SCI Expanded)
- A.E. Bashirov, Z. Mazhar, H. Etikan and S.F. Erturk.(2012), Delay Structure of Wide Band Noises with Application to Filtering Problems, *Optimal Control Applications and Methods*, doi:10.1002/oca.1029 (SCI Expanded)
- A.E. Bashirov, Z. Mazhar, and S.F. Erturk.(2008), Boundary Value Problems Arising in Kalman Filtering, *Boundary Value Problems*”, doi:10.1155/2008/279410 (SCI Expanded)

Chapters in books:

- A.E.Bashirov, S. Genc, On Relativistic Velocity Addition And Calculus Based On Hyperbolic Tangent, Focus On Calculus, Nova Science Publications, 2020 pp. 111-124

Conferences:

- A.E. Bashirov, and S. F. Erturk. “Riccati equations arising in filtering theory,” Equadiff 07, Vienna, Austria, August 2007, pp. 41-42.
- E. Bashirov, S.Uğural, and S. F. Erturk. “Wide Band Noise as a Distributed Delay of White Noise,” World Congress on Engineering 2008, London, U.K, July 2008, pp. 952-954. **Conference Proceeding.**
- A.E. Bashirov, and S. F. Erturk.”Boundary value problem arising in Kalman filtering”. 4th International Conference on Mathematical Analysis, Differential Equations and Their Applications(MADD 2008), Eastern Mediterranean University, North Cyprus, 12-15 September 2008, p. 14.

COURSES TAUGHT

2024-2025 SPRING

Part-Time Instructor in Department of Mathematics (EMU).

MATE 117 Mathematics for Electronic Technician

MATE 154 Maths for Business and Economics- II

MATE 241 Linear Algebra and Ordinary Differential Equations

MATH 155 Mathematics

MATH 105 Mathematics for Art and Science

MATE 153 Maths for Business and Economics- I
MATE 154 Maths for Business and Economics- II
MATE 241 Linear Algebra and Ordinary Differential Equations
MATH 155 Mathematics
MATH 135 Basic Mathematics for Health Sciences

Other Activities:

- 1- (2005-2006) **Student representative**: the Board of Mathematics Department
- 2- (2005-2013) **Member**: Exam Committee of Arts and Sciences Faculty
- 3- (2005-2009) **Assistantship**: student course registration at Department of Mathematics
- 4- (2005-2009) **Assistantship**: preparation of time-tables for courses given by Department of Mathematics
- 5- (2005-2009) **Assistantship**: Social committee of Mathematics Department
- 6- (2025-2026) **Volunteered Member**: Social Media Committee of Mathematics Department
- 7- (2025-2026) **Volunteered Member**: Prospective Students Committee of Mathematics Department