

# EMINE ÇELIKER

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## Work Experience:

*Sept. 2015 – Present*

Teaching Assistant (Full-time)  
Middle East Technical University  
Northern Cyprus Campus,  
Güzelyurt, Kalkanlı

*Feb. 2015 – July 2015*

Instructor (Part-time)  
Department of Mathematics  
Eastern Mediterranean University, Famagusta

*Feb. 2010 – Feb. 2015*

Teaching Assistant (Full-time)  
Department of Mathematics  
Eastern Mediterranean University, Famagusta

- Teaching
- Administrative Work

*Sept. 2008 – Feb. 2010*

Instructor (Part-time)  
Department of Mathematics  
Eastern Mediterranean University, Famagusta

## Publications:

1. *Approximation on the hexagonal grid of the Dirichlet problem for Laplace's equation*, Adiguzel Dosiyeve and Emine Çeliker, *Boundary Value Problems* 2014, 2014:73, Springer
2. *A fourth-order block-hexagonal grid approximation for the solution of Laplace's equation with singularities*, Adiguzel Dosiyeve and Emine Çeliker, *Advances in Difference Equations*, 2015, 2015:59, Springer
3. *The block-hexagonal grid method for the solution of the mixed boundary value problem of Laplace's equation on staircase polygons*, Adiguzel Dosiyeve and Emine Çeliker, (Submitted)

**Conferences presented at and published abstracts:**

1. *Matching operator for the approximate solution on the hexagonal grid of the Dirichlet boundary value problem for Laplace's equation on a rectangle*, Adiguzel Dosiyeve and Emine Çeliker, International conference on applied analysis and mathematical modeling, 2-5 June 2013, Turkey.
2. *A fourth order approximation for the solution of Laplace's equation with singularities*, Adiguzel Dosiyeve and Emine Çeliker, 3<sup>rd</sup> International Eurasian conference on mathematical sciences and applications, 25-28 August 2014, Austria.
3. *The block-hexagonal grid method for the solution of the mixed boundary value problem of Laplace's equation on staircase polygons*, Adiguzel Dosiyeve and Emine Çeliker, European numerical mathematics and advanced applications, 14-18 September 2015, METU Ankara, Turkey.

**Education & Qualifications:****PhD**

*Feb. 2009 – Dec. 2014*

PhD in Applied Mathematics and Computer Science  
Eastern Mediterranean University, Famagusta, North Cyprus  
Supervisor: Prof. Dr. Adiguzel A. Dosiyeve

**BSc & Masters**

*Sept. 2004 - June 2008*

Mathematics MMath Degree (2.1 - Upper Second Class Honour's)  
University of East Anglia, Norwich, England  
Master's Thesis Supervisor: Dr. Adrian Matthews

**Languages Spoken:**

*English*

Fluent

*Turkish*

Fluent

**References:**

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