

Assoc. Prof. MELTEM ADIYAMAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-9020-2021

ScopusID: 35483042100

Yoksis Researcher ID: 112361

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 2005 - 2009

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 2003 - 2005

Postgraduate, Dokuz Eylul University, Eğitim Bilimleri Enstitüsü, Turkey 2003 - 2005

Undergraduate, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, Turkey 1999 - 2003

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Numerical solutions of linear and nonlinear eigenvalue problems using Taylor's decomposition method, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2009

Postgraduate, Least squares method for solving differential equations using Bezier control points, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2005

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2024 - Continues

Assistant Professor, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2011 - 2024

Research Assistant, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2006 - 2011

Academic and Administrative Experience

Faculty Board Member, Dokuz Eylul University, Fen Fakültesi, 2014 - 2017

Courses

Doctorate

MAT 6098-PH.D. RESEARCH, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

MAT 6099-PH.D. THESIS, Doctorate, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014

Postgraduate

Analysis of Numerical Methods for the Ordinary Differential Equations, Postgraduate, 2023 - 2024

Theory of Ordinary Differential Equations, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

M.SC. RESEARCH, Postgraduate, 2022 - 2023, 2021 - 2022, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

ANALYSIS OF NUMERICAL METHODS, Postgraduate, 2021 - 2022, 2019 - 2020, 2015 - 2016

MAT 5098-M.SC. RESEARCH, Postgraduate, 2019 - 2020, 2015 - 2016

MAT 5096-M.SC. SEMINAR, Postgraduate, 2019 - 2020, 2014 - 2015, 2013 - 2014

MAT 5099-M.SC. THESIS, Postgraduate, 2019 - 2020, 2015 - 2016

MAT 5101-Applied Mathematics, Postgraduate, 2018 - 2019

MAT 5141-Mathematical Methods, Postgraduate, 2017 - 2018

MAT 5002-Numerical and Approximate Methods, Postgraduate, 2015 - 2016, 2014 - 2015

DIFERENTIAL EQUATIONS I, Postgraduate, 2014 - 2015

M.SC. THESIS, Postgraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Numerical and Approximate Methods, Postgraduate, 2013 - 2014, 2012 - 2013

Undergraduate

Numerical Analysis, Undergraduate, 2023 - 2024, 2022 - 2023

PROJECT (DİPLOMA PROJESİ), Undergraduate, 2023 - 2024, 2019 - 2020, 2013 - 2014, 2012 - 2013, 2011 - 2012

DIFERENTIAL EQUATIONS I, Undergraduate, 2023 - 2024, 2022 - 2023, 2012 - 2013

DIFERENTIAL EQUATIONS II, Undergraduate, 2022 - 2023, 2014 - 2015, 2013 - 2014

Differential Equations I, Undergraduate, 2022 - 2023

MAT 2011 CALCULUS III, Undergraduate, 2019 - 2020

MAT 4011-NUMERICAL SOLU.OF ORDINA.DIFE.EQU., Undergraduate, 2019 - 2020, 2013 - 2014

MATEMATİK II, Undergraduate, 2019 - 2020

MAT 4070-PROJECT, Undergraduate, 2018 - 2019, 2015 - 2016

MAT 3059-Numerical Analysis I, Undergraduate, 2018 - 2019

MAT 3001-Linear Algebra, Undergraduate, 2018 - 2019

NUMERICAL ANALYSIS II, Undergraduate, 2017 - 2018, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011

NUMERICAL ANALYSIS I, Undergraduate, 2017 - 2018, 2013 - 2014, 2012 - 2013, 2011 - 2012

MAT 1001 CALCULUS I, Undergraduate, 2017 - 2018, 2013 - 2014, 2010 - 2011

MAT 3059 NUMERICAL ANALYSIS I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2011 - 2012

MAT 1201-Calculus I, Undergraduate, 2016 - 2017

CME 2008-NUMERICAL ANALYSIS, Undergraduate, 2015 - 2016

MAT 3008-NUMERICAL ANALYSIS II, Undergraduate, 2015 - 2016

Matematik III, Undergraduate, 2013 - 2014

MATEMATİK I, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

MAT 2039-DIFERENTIAL EQUATIONS I, Undergraduate, 2013 - 2014

CALCULUS II, Undergraduate, 2011 - 2012, 2010 - 2011

CALCULUS I, Undergraduate, 2011 - 2012, 2010 - 2011

MAT 1026-Matematik II, Undergraduate, 2011 - 2012

MAT 2028-CALCULUS IV, Undergraduate, 2011 - 2012

T2MAK-2. Sınıf Modül Grubu, Undergraduate, 2010 - 2011

Supervised Theses

Adiyaman M., Numerical Solutions of Linear and Nonlinear Eigenvalue Problems Using Residual Method, Doctorate, A.BELER(Student), 2023

ADİYAMAN M., Numerical solutions of integro-differential equations, Postgraduate, M.KEMAL(Student), 2023

Adiyaman M., Numerical solutions of integro-differential equations, Postgraduate, M.KEMAL(Student), 2023

ADİYAMAN M., Diferensiyel denklemlerin kalıntı metodu kullanımı ile sayısal çözümleri, Doctorate, V.ÖĞER(Student), 2016

ADİYAMAN M., Başlangıç değer problemlerinin doğrusal olmayan sistemleri için kalıntı metodu, Postgraduate, B.NOYAN(Student), 2015

Peer Reviews in Scientific Publications

COMPUTATIONAL METHODS FOR DIFFERENTIAL EQUATIONS, National Scientific Refreed Journal, March 2021

British Journal of Mathematics and Computer Science, National Scientific Refreed Journal, March 2014

APPLIED MATHEMATICS LETTERS, SCI Journal, June 2009

COMPUTERS AND MATHEMATICS WITH APPLICATIONS, SCI Journal, May 2009

Non Academic Experience

Instituto Superior de Engenharia do Porto, yük bursu ile görevlendirme