ÖZCAN YAZICI
Curriculum Vitae

CONTACT

Middle East Technical University,
Ankara, Turkey
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EDUCATION

Ph.D. Mathematics, Syracuse University, 2008-2015
Advisor: Dan Coman

M.S. Mathematics, Sabanci University, 2006-2008
Advisor: Vyacheslav Zakharyuta

B.S. Mathematics, Middle East Technical University (METU), 2002-2006

APPOINTMENTS

Associate Professor METU Ankara, 01.2025-Present

Assistant Professor METU Ankara, 07.2017-01.2025

Visiting Assistant Professor METU Northern Cyprus Campus, 09.2016- 06.2017

Postdoctoral Research Associate, Texas A&M University at Qatar, 08.2015-08.2016

RESEARCH INTERESTS

Several Complex Variables, Complex Dynamics, Complex Geometry

PUBLICATIONS and PRE-PRINTS

- Terzi S., Yazici O.; *α-Hölder Integrability Exponent* (Submitted, 2026)
- Kişisel A.U.Ö, Yazici, O.;*Upper level sets of Lelong numbers on Hirzebruch surfaces* J. Geom. Anal.33(2023), no.8, Paper No. 250, 14 pp.
- Göğüş N.G, Günyüz O, Yazici O.;*Core Sets in Kähler Manifolds* J. Math. Anal. Appl. 525 (2023), no. 2, Paper No. 127175.

- Yazici, O. ;*A note on the transfinite diameter of Bernstein sets.* Turkish Journal of Mathematics. (2022) Vol. 46: No. 7, Article 14. https://doi.org/10.55730/1300-0098.3300
- Kişisel A.U.Ö, Yazici, O.; *Upper level sets of Lelong numbers on* $\mathbb{P}^2$ *and cubic curves.* Math. Z. 300 (2022), no. 3, 2917–2930.
- Yazici, O.; *Local boundedness of Catlin q-type.* Mediterr. J. Math. 19 (2022), no. 1, Paper No. 24, 11 pp
- Yazici, O.; *Finite type points on subsets of* $\mathbb{C}^n$. J. Math. Anal. Appl. 487 (2020), no. 1, 123978, 6 pp.
- Yazici, O.; *Holomorphic extension of meromorphic mappings along real analytic hypersurfaces.* Ann. Mat. Pura Appl. (4) 199 (2020), no. 4, 1337–1342.
- Yazici, O.; *Dynamical Estimates on a Class of Quadratic Polynomial Automorphisms of* $\mathbb{C}^3$, Complex Var. Elliptic Equ. 62 (2017), no. 2, 230-240.
- Yazici, O.; *Extension of plurisubharmonic functions in the Lelong class*, Illinois J. Math. Volume 58, Number 1 (2014), 219-231
- *Extension of plurisubharmonic functions and dynamics of polynomial mappings*, Ph.D Thesis, Syracuse University (2015)
- *Kolmogorov problem on widths asymptotics and pluripotential theory*, M.S. Thesis, Sabanci University (2008)

GRANTS and AWARDS

- TÜBİTAK 1001 Geometry of Singular Points in Pluripotential Theory (Principal Investigator), 2024-2027 (2.176.000 TL)
- TÜBİTAK 1001 Potential Theory on Forms (Researcher), 2024-2027 (1.802.800 TL)
- TÜBİTAK 3501 Young Researcher Career Grant (Principal Investigator), 2020-2023 (300.000 TL)
- TÜBİTAK – MID UZBEKISTAN Joint Research Project, (Researcher), 2020-2022 (366.000 TL)
- TÜBİTAK 2232 Research Project (Principal Investigator), November 2017-January 2019 (80.000 TL)
- AMS Graduate Student Travel Grant for JMM in San Antonio, January 2015
- Donald E. Kibbey Prize, Syracuse University, 2014 (It is awarded annually for excellence in the Ph.D. program and for an excellent doctoral dissertation.)
- Worked under the grant of Dan Coman, Summer 2009, Summer 2010, Summer 2011, Summer 2013, Summer 2014, Summer 2015

- Syracuse University College Fellowship, Summer 2012

- Sabanci University Graduate Full Scholarship, 2006-2008

- TUBITAK (The Scientific and Technological Research Council of Turkey) Fellowship for graduate students, 2006-2008

TALKS

- **Upper level sets of Lelong numbers on projective surfaces**, presented at:

  Hacettepe University, General Seminar, April 2023.

  Complex Analysis and Complex Geometry Days, Sabanci University, August 2023.

- **A Note on the Transfinite Diameter of Bernstein Sets**, presented at:

  Studies on Scientific Developments in Geometry, Algebra, And Applied Mathematics organized by the Turkish Journal of Mathematics on 1-3 February 2022.

- **Geometry of Upper Level Sets of Lelong Numbers**, presented at:

  Randomness in Complex Analysis and Complex Geometry Workshop, Nesin Mathematics Village, June 2022

  METU, General Seminar, November 2021

- **Finite type points**, presented at:

  İstanbul University, National Mathematics Conference, September 2021

  Bilkent University, Analysis Seminar, April 2020

- **Holomorphic Extension of Mappings between Hypersurfaces**, presented at:

  University of Toledo, Complex Analysis Seminar, January 2021

  Ondokuz Mayıs University, National Mathematics Conference, September 2019

  METU, General Seminar, February 2019

  Bilkent University, Analysis Seminar, February 2019

- **Dynamics of complex polynomial automorphisms in higher dimension**, presented at:

  Çankaya University, General Seminar, Boğaziçi University, October 2018

  IMBM Mathematics Days II, Boğaziçi University, September 2018

  İstanbul Analysis Seminars, April 2018

  Atılım University, General Seminar, March 2018

  Hacettepe University, General Seminar, December 2017

- **Dynamics of a class of quadratic automorphisms of** $\mathbb{C}^3$, presented at:

  Special Session in Holomorphic Dynamics at the JMM in San Antonio, January 2015

- **Extension of plurisubharmonic functions in the Lelong class**, presented at:

  METU Mathematics General Seminars, Ankara, March 2016

  2015 Joint Mathematics Meetings, San Antonio, TX, January 2015

  Analysis and Geometry in Several Complex Variables, Texas A&M University at Qatar, January 2015

  The 39th Annual New York Regional Graduate Mathematics Conference, Syracuse University, April 2014

  AMS sectional meeting, Baltimore, March 2014

  Workshop in function theory and complex variables, Sirince, Turkey, June 2013

- **Potential Theory and Dynamics**, presented at:

  38th Annual New York Regional Graduate Mathematics Conference, Syracuse University, April 2013

- **Hénon Maps and Fatou-Bieberbach Domains**, presented at:

  MGO Seminar, Syracuse University, March 2012

  Graduate Seminar, University of Rochester, April 2012

- **Iteration of Rational Functions**, presented at:

  35th Annual New York Regional Graduate Mathematics Conference, Syracuse University, April 2010

PUBLIC LECTURES

- Ankara-Istanbul Algebraic Geometry Number Theory Meetings, Fall 2019 (speaker of one of the lecture series)
- First Workshop of TMD Ankara at METU, January 2019 (instructor for the Complex Analysis crash course)
- Young researcher talk at IMBM Mathematics Days II, Boğaziçi University, September 2018
- Third Graduate Summer School of Association for Turkish Women in Maths at METU, June 2018 (instructor for the Functional Analysis crash course)
- Second Graduate Summer School of Association for Turkish Women in Maths at METU, 13-22 June 2017 (instructor for the Complex Analysis crash course)

TEACHING EXPERIENCE

- **METU, Ankara**, instructor for:
  Math 120 Calculus of functions of several variables
  Math 119 Calculus with Analytic Geometry
  Math 117 Calculus I
  Math 118 Calculus II
  Math 125 Basic Mathematics I
  Math 126 Basic Mathematics II
  Math 219 Introduction to Differential Equations Math 153 Calculus for Mathematics Students I
  Math 154 Calculus for Mathematics Students II
  Math 353 Complex Calculus
  Math 497 Hilbert Space Tecniques
  Math 452 Introduction to Functional Analysis
  Math 555 Theory of functions of a complex variable
  Math 501 Analysis
- **METU NCC**, instructor for:
  Math 119 Calculus with Analytic Geometry, Fall 2016, Spring 2017
  Math 100 Precalculus, Fall 2016
- **Syracuse University**, instructor for:
  Math 295 Calculus I, Fall 2014
  Math 285 Life Science Calculus I, Spring 2013, Spring 2015
  Math 397 Calculus III, Spring 2011
- **Syracuse University**, teaching assistant for:
  Math 122 Probability and Statistics for the Liberal Arts II, Spring 2012,Spring 2014
  Math 121 Probability and Statistics for the Liberal Arts I, Fall 2011, Fall 2013
  Math 296 Calculus II, Spring 2010
  MAT 183 Elements of Modern Mathematics, Fall 2009, Fall 2010
- **Sabanci University**, teaching assistant for:
  MATH 301 Introduction to Mathematical Analysis, Spring 2008
  MATH 204 Discrete Mathematics, Spring 2007, Fall 2007
  MATH 101 Calculus I, Fall 2006

- **Middle East Technical University (METU)**, student teaching assistant for:
  Math 112 Discrete Mathematics, Spring 2006

Graduate Students

- Ahmed Yekta Okten (MS, Graduated 2021, PhD Student at Institut de Mathematiques de Toulouse)
- Aylin Çoğalmış. (MS, Graduated 2022, Graduate Student at Finance, Bilkent University)
- İpek Saraçlar (MS, Graduated 2023) (Teaching Assistant at Bartın University)
- Aslı Can (MS, Graduated 2024), PhD Student at METU)
- İpek Saraçlar (PhD Student, Expected graduation: 2028) (Teaching Assistant at Bartın University)
- Mustafa Yiğit Demir (MS, Graduated 2026) (Teaching Assistant at METU)
- Mehmet Orçun Baki (MS, Graduated 2026) (Teaching Assistant at METU)
- Ali Tokgöz (MS, Graduated 2026) (Researcher at Vakıfbank)

MEMBERSHIP

- President of the Ankara Branch of Turkish Mathematical Society (TMD-Ankara) , 2021-2024
- Member of the American Mathematical Society, 2008-present
- Future Professoriate Program (FPP) participant at Syracuse University, 2011-2015

Footer