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PERSONAL

Date of Birth	January 5, 1966
Place of Birth	Sivas, Turkey

EDUCATION

1990 - 1996	Ankara University, Mathematics, Ph.D.
1988 - 1990	Ankara University, Mathematics, M.S.
1983 - 1987	Ankara University, Mathematics Education, B.S.

ACADEMIC POSITIONS

05/1988 - 07/1994	Research Assistant, Ankara University, Science Faculty, Mathematics Department
07/1994 - 07/1995	Doctoral Research in the Technical University of Chemnitz-Zwickau, Mathematics Faculty, Germany (research is supported by Ankara University)
07/1995 - 09/1997	Research Assistant, Ankara University, Science Faculty, Mathematics Department
10/1997 - 07/1999	Post-Doctoral Research in the Technical University of Graz, Mathematics Faculty, Austria (first year of the research is supported by "Austrian Agency for International Mobility and Cooperation in Education and Research (ÖAD)" Fellowship)
09/2005 - 02/2006	Instructor, Department of Mathematics, Atılım University, Turkey
02/2006 - 09/2011	Assistant Professor, Department of Mathematics, Atılım University, Turkey
09/2011 - 01/2016	Associate Professor, Department of Mathematics, Atılım University, Turkey
02/2017 - present	Professor, Department of Mathematics, Atılım University, Turkey
07/2017 - 07/2018	Post-Doctoral Research in the Bauhaus University of Weimar, Weimar (Thüringen), Germany (research is supported by Atılım University).

OTHER WORKING EXPERIENCES

08/1999 - 08/2004	Software Developer, B&N Software GmbH, Seligenstadt, Offenbach am Main, Germany
02/2005 - 07/2005	Mathematics Teacher , Leibnizschule Gymnasium der Stadt Offenbach am Main, Brandbornstrasse 11, D-63069 Offenbach am Main, Germany

COMPUTER SKILLS

Certificates	Sun Certification (Sun Certified Programmer for Java), and Software Developer Java CDI
Data Bases	IBM DB2/400, SQL/400, QUERY/400, Oracle SQL *Plus, MySQL, MS SQL Server 2000, MS Access
Programming Languages	IBM RPG/400, CL, Java, JDBC, Java-Applets, Swing, JSP, Servlets, Enterprise Java Beans, UML, HTML, XML, JavaScript, PHP, Fortran 90, C, C++, Python
Operating Systems	IBM OS/400, IBM iSeries-Server (AS/400), MS Windows, Unix, Linux, MS-DOS
Other	Hardware, Microsoft Office (Excel, Word, Powerpoint, Access, Visio), Corel Draw, Adobe Framemaker, LaTeX, Scientific Work Place, Matlab, Mathematica, Maple, MuPad

ADMINISTRATIVE DUTIES

07/2018	Member of the Faculty Administration Board, Atilim University
07/2018	Member of the Faculty Board, Atilim University
2013-	Head of FEDEK Accreditation Commission (for Mathematics Department and Science and Art Faculty of Atilim University)

AWARDS

1	(July 1994 – July 1995) Doctoral Fellowship by “Ankara University”
2	(October 1997 - July 1998) Post-Doctoral Fellowship by “Austrian Agency for International Mobility and Cooperation in Education and Research (ÖAD)”
3	(July 2017 – July 2018) Post-Doctoral Fellowship by “Atilim University”

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

Turkish Mathematical Society

International Society for Analysis, its Applications and Computation (ISAAC)

Mathematical Reviews (as Reviewer)

RESEARCH INTERESTS

Partial Complex Differential Equations

Pseudo-Holomorphic Functions in the Sense of L. Bers

Generalized Analytic Functions in the Sense of I. Vekua

Initial Value Problems

Boundary Value Problems

Quaternionic Analysis

Clifford Analysis

Clifford-Type Algebras Depending on Parameters

Fixed Point Theory

PUBLICATIONS

- K. Gürlebeck and U. Yüksel, *On a Dirichlet Problem for a Generalized Beltrami Equation*, Adv. Appl. Clifford Algebras (2018) 28:61, <https://doi.org/10.1007/s00006-018-0872-9>.
- U. Y. Abbas and U. Yüksel, *Necessary and Sufficient Conditions for First Order Differential Operators to be Associated with a Disturbed Dirac Operator in Quaternionic Analysis*, Adv. Appl. Clifford Algebras (SCI), 25 (2015), pp. 1–12.
- U. Yüksel, *Necessary and Sufficient Conditions for Associated Differential Operators in Quaternionic Analysis and Applications to Initial Value Problems*, Adv. Appl. Clifford Algebras (SCI), vol. 23, pp. 981–990, 2013.
- U. Yüksel, *Solution of Initial Value Problems for Generalized Monogenic Functions in Banach Spaces with a Weighted Sup-Norm*, contained in the collection of papers: Interactions Between Real and Complex Analysis, XX. International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, held in Hanoi Vietnam, 30 July-3 August 2012, pp. 360-364, Science and Technics Publishing House (2012).
- U. Yüksel, *A Schwarz Problem For The Generalized Beltrami Equation*, Complex Variables and Elliptic Equations (SCI), vol. 56, No. 6, pp. 503–511, 2011.
- U. Yüksel (with E. Karapınar), *On Common Fixed Point Theorems without Commuting Conditions in TVS-Cone Metric Spaces*, Journal of Computational Analysis and Applications (SCI), vol. 13, No. 6, pp. 1115-1122, 2011.
- U. Yüksel (with E. Karapınar), *Some Common Fixed Point Theorems in Partial Metric Spaces*, Journal of Applied Mathematics (SCI), Volume 2011, Article ID 263621.
- U. Yüksel, A. O. Çelebi, *Solution of Initial Value Problems of Cauchy-Kovalevsky Type in the Space of Generalized Monogenic Functions*, Adv. Appl. Clifford Algebras (SCI), vol. 20, pp. 427–444, 2010.
- U. Yüksel, *Solution of Initial Value Problems with Monogenic Initial Functions in Banach Spaces with L_p -Norm*, Adv. Appl. Clifford Algebras (SCI), vol. 20, pp. 201-209, 2010.

- U. Yüksel, *First Order Differential Operators Associated to the Cauchy-Riemann Operator of Clifford analysis*, contained in the collection of papers: Further Progress in Analysis, 6th International ISAAC Congress, held in METU Ankara, 13-18 August 2007, pp. 395-403, World Scientific Publishing Co. Pte. Ltd. (2009).
- U. Yüksel, A. O. Çelebi, *Initial-value Problems for Pseudoholomorphic functions*, contained in the collection of papers: International Workshop on Functional-Analytic and Complex Methods, their Interactions and Applications to Partial Differential Equations, held in Graz, Austria, 11-17 February 2001, Editors: H. Florian, N. Ortner, F.J. Schnitzer, W. Tutschke, pp. 333-334, World Scientific (2001).
- W. Tutschke, U. Yüksel, *Interior L_p -estimates for functions with Integral Representations*, *Applicable Analysis (SCI)*, vol. 73, pp. 281-294, 1999.
- W. Tutschke, U. Yüksel, *Generalized Monogenic Functions Satisfying Differential Equations with Anti-Monogenic Right-Hand Sides*, contained in the collection of papers: International Workshop on Complex Methods for Partial Differential Equations, held in METU Ankara 6-10 July 1998, Editors: H. G. W. Begehr, A. O. Çelebi, W. Tutschke, pp. 263-270, Kluwer Academic Publishers (1999).
- U. Yüksel, A. O. Çelebi, *Solution of initial-value problems for pseudoholomorphic functions in conical domains*, *Complex Variables* (current name of the Journal: *Complex Variables and Elliptic Equations (SCI)*), vol. 36, pp. 195-205, 1998.
- U. Yüksel, A. O. Çelebi, *Initial-value Problems for Pseudoholomorphic Functions in Conical Domains*, contained in the collection of papers: International Workshop on Generalized Analytic Functions, Theory and Applications to Mechanics, held in Graz, Austria, January 6-10, 1997, Editors: H. Florian, K. Hackl, F.J. Schnitzer, W. Tutschke, pp. 65-67, Kluwer Academic Publishers (1998).
- U. Yüksel, *The Cauchy-Kowalewski Theorem for Pseudoholomorphic Functions in Conical Domains*, *Complex Variables* (current name of the Journal: *Complex Variables and Elliptic Equations (SCI)*), vol. 31, pp. 299-304, 1996.
- U. Yüksel, *Solution of Cauchy-Kowalewski Problems in a Subspace of Pseudoholomorphic Functions in the Sense of L. Bers*, *Complex Variables* (current name of the Journal: *Complex Variables and Elliptic Equations (SCI)*), vol. 31, pp. 1-8, 1996.
- U. Yüksel, A. O. Çelebi, *The Cauchy-Kowalewski Theorem in the Space of Pseudoholomorphic Functions*, *Complex Variables* (current name of the Journal: *Complex Variables and Elliptic Equations (SCI)*), vol. 29, pp. 305-311, 1996.
- U. Yüksel, *An Example for Different Associated Spaces in the case of Pseudoanalytic Functions*, *Journal for Analysis and its Applications (SCI)*, vol. 14, 4, pp. 913-916, 1995.

INTERNATIONAL CONFERENCE PRESENTATIONS (Selected)

- U. Yüksel, *Necessary and Sufficient Conditions for First Order Differential Operators to be Associated with a Generalized Cauchy-Riemann Operator in Clifford Analysis*, International Conference on Analysis and Its Applications (ICAA-2016), Ahi Evran University, Kirsehir, Turkey, 2-15 July, 2016.
- U. Yüksel, *First Order Differential Operators Associated to Cauchy-Riemann Operator in Several Elliptic Complex Numbers*, International Conference on Applied Mathematics and Analysis in Memory of Gusein Sh. Guseinov, Atilim University, Ankara, 11-13 July, 2016.
- U. Yüksel, *Necessary and Sufficient Conditions for First Order Differential Operators to be Associated with a Disturbed Dirac Operator in Quaternionic Analysis*, International Congress in Honour of Professor Ravi P. Agarwal, Uludag University, Bursa, Turkey, 23-26 June, 2014.
- U. Yüksel, *Elliptic Complex Numbers*, 13th International Workshop on Dynamical Systems and Applications (IWDSA 2014), TOBB Economy and Technology University, Ankara, Turkey, June 14, 2014.
- U. Yüksel, *Initial Value Problems in Quaternionic Analysis*, International Conference on Nonlinear Differential and Difference Equations: Recent Developments and Applications, Ankara University Manavgat - ÖRSEM Recreational Center, Side, Antalya, Turkey, 27-30 May, 2014.
- U. Yüksel, *Initial Value Problems of Cauchy type in Quaternionic Analysis*, Workshop on Complex Partial Differential Equations Yeditepe University, Istanbul, November 21, 2013.
- U. Yüksel, *Necessary and Sufficient Conditions for Associated Differential Operators in Quaternionic Analysis and Applications to Initial Value Problems*, 6th International Workshop on Differential Equations and Applications, Izmir University of Economics, Izmir, Turkey, September 11-14, 2013.
- U. Yüksel, *Necessary and Sufficient Conditions for Associated Differential Operators in Quaternionic Analysis and Applications to Initial Value Problems*, 12th International Workshop on Dynamical Systems and Applications (IWDSA 2013), Atilim University, Ankara, Turkey, August 12-15, 2013.
- U. Yüksel, A.O. Çelebi, *Differential Operators Associated to Differential Equations with Anti-Monogenic Right-Hand Sides in a Clifford Analysis*, Pre-ICM International Convention on Mathematical Sciences, 18-20 December, 2008, New Delhi University, India.

NATIONAL CONFERENCE PRESENTATIONS (Selected)

- U. Yüksel, *Clifford Analizde Genelleştirilmiş Monojen Fonksiyonlar için Cauchy Tipi Başlangıç Değer Problemleri*, 11. Ankara Matematik Günleri, 26-27 Mayıs, 2016, Ankara Üniversitesi, Ankara.
- U. Yüksel, *Initial Value Problems For Elliptic Complex Numbers*, XXVIII. National Mathematics Symposium, September 7-9, 2015, Akdeniz University, Antalya.
- U. Yüksel, *Solution of Initial Value Problems with Monogenic Initial Functions in Banach Spaces with L_p -Norm*, Workshop on Differential Equations and Applications, 18-20 April 2008, Pamukkale University, Denizli.
- U. Yüksel, A.O. Çelebi, *Differential Operators Associated to Differential Equations with Anti-Monogenic Right-Hand Sides in a Clifford Analysis*, Workshop on Differential Equations, June 19-21, 2008, Yeditepe University, Istanbul.
- U. Yüksel, A. Okay Çelebi, *Solution of Initial Value Problems of Cauchy-Kovalevsky Type in the Space of Generalized Monogenic Functions*, XXI. National Mathematics Symposium, September 1-4, 2008, Koc University, Istanbul.
- U. Yüksel, *Solution of Cauchy-Kowalewski Problems in a Subspace of Pseudoholomorphic Functions in the Sense of Lipman Bers*, Workshop on Differential Equations and Applications, Turkish Mathematical Society - Ankara Branch, February 8-10, 2007, Middle East Technical University, Ankara.
- U. Yüksel, *Cauchy Problems with monogenic initial functions*, XX. National Mathematics Symposium, September 03-06, 2007, Atatürk University, Erzurum.
- U. Yüksel, *Generalized Monogenic Functions Satisfying Differential Equations with Anti-Monogenic Right-Hand Sides*, XIX. National Mathematics Symposium, August 22-25, 2006, Dumlupınar University, Kütahya.

THESES SUPERVISED

MSc Thesis, Usman Yakubu Abbas, *Solutions of Initial Value Problems Of Cauchy Type in Banach Spaces*, Atılım University, April 2014.

PROFESSIONAL SERVICE

Area Editor, MAYFEB Journal of Mathematics, Canada

REFEREEING

Complex Analysis and Elliptic Equations
Advances in Applied Clifford Algebras
Applicable Analysis
Advances in Dynamical Systems and Applications
Bitlis Üniversitesi Fen Bilimleri Dergisi
Mathematical and Computer Modelling
Proceedings of 6th ISAAC (Ankara-Turkey 2007)

COURSES GIVEN

Graduate Courses

Math 552	Complex Analysis
Math 587	Applied Mathematics

Undergraduate Courses

MCS 115	Introduction to Computer Science
MCS 116	Computer Programming in C
MCS 215	Introduction to Object Oriented Programming Using C++
MCS 301	Data Structures
MCS 337	Computer Algebra
MCS 401	Algorithms
Math 101	Introduction to Calculus I
Math 102	Introduction to Calculus II
Math 107	Fundamentals of Mathematics I (in Turkish)
Math 108	Fundamentals of Mathematics II (in Turkish)
Math 112	Discrete Mathematics and Combinatorics
Math 151	Calculus I
Math 152	Calculus II
Math 157	Extended Calculus I
Math 158	Extended Calculus II
Math 211	Discrete Mathematics with Applications
Math 274	Complex Variables and Applications
Math 275	Linear Algebra
Math 276	Ordinary Differential Equations
Math 346	Complex Analysis
Math 378	Partial Differential Equations
Math 411	Seminar Studies
Math 463	Applied Mathematics