CURRICULUM

Name and Surname	:	Ali MUTLU
Birth Date and Place	:	1969 Kayseri
Premier School	:	Yavuz Selim (1976-1981)
Secondary School	:	Sümer (1981-1984)
High School	:	Kayseri (1984-1987)
Under Graduate	:	The University of Erciyes, Faculty of Sciences and Arts Department of Mathematics (1987-1991)
Graduate	:	The University of Erciyes, Institute of Science and Engineering (1991-1993)
Post Graduate	:	The University of Wales in the U.K, Bangor (1994-1997)

He finished his undergraduate education with top grade in 1991 and also he has got his graduate education with top grade in 1993. He qualified by a nationwide competitive selection examination organised by The Higher Educational Council of Turkey (YÖK) for his Ph.D and went to The University of Wales (in the U.K Bangor) to get his Ph.D in 1994 and admitted to degree of Doctor Philosophy in July 1997.

He worked at the University of Atatürk Faculty of Science and Arts, Department of Mathematics and the University of Erciyes, Faculty of Science and Arts, Department of Mathematics as research assistant now is working at Manisa Celal Bayar University, Faculty of Science and Arts, Department of Mathematics as Professor Doctor, got married and has got two daughters. (from 1997-present)

ACADEMIC BAKCGROUND

Professor of Topology 2016 Manisa Celal Bayar University, Faculty of Sciences and Arts Department of Mathematics, Turkey.

Associate Professor of Topology 2011-2016 Manisa Celal Bayar University, Faculty of Sciences and Arts Department of Mathematics, Turkey.

Assistant Professor Doctor of Topology 1998-2011 Manisa Celal Bayar University, Faculty of Sciences and Arts Department of Mathematics, Turkey.

Postgraduate Student (Doctoral Student) 1994-1997 University of Wales, Bangor, School of Mathematics, Bangor, United Kingdom.

Research Assistant of Analysis and Functional Theory 1993-1998 Manisa Celal Bayar University, Faculty of Sciences and Arts Department of Mathematics, Turkey.

Research Assistant of Analysis and Functional Theory 1992-1993 Atatürk University, and Erciyes University, Faculty of Sciences and Arts Department of Mathematics, Turkey.

TEACHING EXPERINCE

Manisa Celal Bayar University, Faculty of Sciences and Arts Department of Mathematics, Turkey. 1998-Present.

Under Graduate Teaching Courses:
Analysis I-II-III-IV, Introduction to General Topology, Topology, Abstract Algebras, Functional Analysis, Discrete Mathematics, Introduction to Algebraic Topology, Real Analysis, Linear Algebra, Calculus, Statistics.

Graduate Teaching Courses:
Advance Functional Analysis, Category Theory, Algebraic Topology, Advanced Topology, Introduction to Homotopy Theory, Introduction to Homology Theory.

Post Graduate Teaching Courses:
Homotopy Theory, Homology Theory, Simplicial Objects, Fixed Point Theory, Selected Topics in Algebraic Topology, Advanced Topological Function Spaces, The Document Preparation System wıth Latex, Fixed Point Theory.

My M. Sc Students

Berrin MUTLU, The Generalization to 3^{rd} Dimension of Crossed Modules (Quasi 3-Crossed Modules), *M.Sc Thesis* Celal Bayar University Graduate School of Natural and Applied Sciences, Main Science Brach of Mathematics, 2002. Manisa, TURKEY.

Melike SELİMGİL, By Using Simplicial Profinite Group on Some Structure, *M.Sc. Thesis*, Celal Bayar University Graduate School of Natural and Applied Sciences, Main Science Brach of Mathematics, 2003. Manisa, TURKEY.

Fatma Neşe EFİL Closed Category models of simplicial algebras, *M.Sc Thesis Celal Bayar University Graduate School of Natural and Applied Sciences*, Main Science Brach of Mathematics, 2005. Manisa.

Çiğdem KONURALP Serre Homotopy Theory in Subcategories of Simplicial Sets, *M.Sc Thesis*, Celal Bayar University Graduate School of Natural and Applied Sciences, Main Science Brach of Mathematics, 2005. Manisa, TURKEY.

Emel ÜNVER Homotopy Theory for Truncated Weak Equivalences of Simplicial, *M.Sc Thesis Celal Bayar University Graduate School of Natural and Applied Sciences* Main Science Brach of Mathematics, 2005. Manisa, TURKEY.

Murat ALGAN, Homotopy Theory for Topological Groups, *M.Sc Thesis* Celal Bayar University Graduate School of Natural and Applied Sciences, Main Science Brach of Mathematics, 2007. Manisa, TURKEY.

Sevinç AKDAĞ Fixed Point Theorems Using C – Function Classes in Some metric Spaces, *M.Sc Thesis* Manisa Celal Bayar University Graduate School of Natural and Applied Sciences, Main Science Brach of Mathematics, 2017. Manisa, TURKEY.

Sedat ASLAN (continue)

Kaan ÖZDEMİR (continue)

Watson LUNG (continue)

My Ph.D Students

Simge ÖZTUNÇ Simplicial Structures and Applications in Digital Images, *Ph.D Thesis* Celal Bayar University Graduate School of Natural and Applied Sciences, Main Science Brach of Mathematics, 2013, Manisa TURKEY. (completed)

Utku GÜRDAL Bipolar Metric Spaces and Fixed Point Theorems, *Ph.D Thesis* Manisa Celal Bayar University Graduate School of Natural and Applied Sciences, Main Science Brach of Mathematics, 2017, Manisa TURKEY. (completed)

Kübra ÖZKAN (continue)

LIST OF PUBLICATIONS

Mutlu A., with Özkan K. and Gürdal U. "A New Fixed Point Theorem in Modular Metric Spaces" *International Journal of Analysis and Applications*, **16**(4), 472-483, 2018.
Emerging Sources Citation Index (Web of Science)

Mutlu A., with Gürdal U. and Özkan K. "A New Approach to *G*-Normed Spaces: Functionally Generalized Normed Spaces" *Celal Bayar University Journal of Science* **14**(1), 1-12, 2018. TÜBİTAK-ULAKBİM TR-DİZİN

Mutlu A., with Özkan K. and Gürdal U. "Coupled Fixed Point Theorem in Partially Ordered Modular Metric Spaces and its an Application" *Journal of Computational Analysis and Applications* **25**(2), 207-216, 2018.

Mutlu A., with Öztunç S. and Sert Erdoğan A. "Monomorphism and Epimorphism Properties of Soft Categories" *European Journal Of Pure And Applied Mathematics* **10**(4), 850-857, 2017. Emerging Sources Citation Index (ESCI)

Mutlu A., with Özkan K. and Gürdal U. "Coupled Fixed Point Theorems on Bipolar Metric Spaces" *European Journal of Pure And Applied Mathematics* **10**(4), 655-667, 2017.
Emerging Sources Citation Index (ESCI)

Mutlu A., with Ansari Hojat A. "C-Class Functions on Coupled Fixed Point Theorem for Mixed Monotone Mappings on Partially Ordered Dislocated Quasi Metric Spaces" *Nonlinear Functional Analysis and Applications* **22**(1), 99-106, 2017.

Mutlu A., with Gürdal U. "Bipolar metric spaces and some fixed point theorems" *Journal Nonlinear Science and Applications* **9**, 5362–5373, 2016. http://www.isr-publications.com/jnsa/volume-9/issue-9 Science Citation Index Expanded

Mutlu A., with Mutlu B. and Akdağ S. "Using C−Class Function on Coupled Fixed Point Theorems for Mixed Monotone Mappings in Partially Ordered Rectangular Quasi Metric Spaces " *British Journal of Mathematics & Computer Science* **19**(3): 1-9, 2016, Article no.BJMCS.27649.
DOI : 10.9734/BJMCS/2016/27649 http://www.sciencedomain.org/issue/2061

Mutlu A., with Yolcu, N. Mutlu, B., "Fixed Point Theorems in Partially Ordered Rectangular Metric Spaces", *British Journal of Mathematics & Computer Science* 15(2): 1-9, 2016 DOI: 10.9734/BJMCS/2016/24314 http://www.sciencedomain.org

Mutlu A., with Gürdal U., "An infinite dimensional fixed point theorem on function spaces of ordered metric spaces", *Kuwait Journal of Science* **42**(3), 36-49, 2015. Science Citation Index

Mutlu A., with Yolcu, N. Mutlu, B., "Coupled Fixed Point Theorem for Mixed Monotone Mappings on Partially Ordered Dislocated Quasi Metric Spaces", *Global Journal of Mathematics* **Vol.1**, No. 1, January 16, 12-17, 2015. http://www.gpcpublishing.com

Mutlu A., with Yolcu, N. Mutlu, B., Bildik N., "On Common Coupled Fixed Point Theorems for Comparable Mappings in Ordered Partially Metric Spaces" *Abstract and Applied Analysis***, 2014**, Volume 2014, Article ID 486384, 6 pages http://dx.doi.org/10.1155/2014/486384 Science Citation Index Expanded

Mutlu A., with Yolcu, N., "Fixed Point Theorems for ϕ_p Operator in Cone Banach Spaces", *Fixed Point Theory and Applications* 2013, **2013**:56 doi:10.1186/1687-1812-2013-56 http://www.fixedpointtheoryandapplications.com/content/2013/1/56 Science Citation Index Expanded

Mutlu A., with Bildik, N., Bakır Y., "The new modified Ishikawa iteration method for the approximate solution of different type of differential equations**"** *Fixed Point Theory and Applications* 2013, **2013**:52 doi:10.1186/1687-1812-2013-52 http://www.fixedpointtheoryandapplications.com/content/2013/1/52 Science Citation Index Expanded

Mutlu A., with Öztunç S, Bildik, N., " Computing Hypercrossed Complex Pairings in Digital Images"*Abstract and Applied Analysis* **Volume 2013**, Article ID 675373, 6 pages http://dx.doi.org/10.1155/2013/6753732013 Science Citation Index Expanded

Mutlu A., with Öztunç S, Bildik, N., "The Construction of Simplicial Groups in Digital Images"
Journal of Inequalities and Applications 2013, **2013**:143 2 April 2013 http://www.journalofinequalitiesandapplications.com/content/2013/1/143 Science Citation Index Expanded

Mutlu A., with Bildik, N., Bakır Y., "The Comparison and Successive Iteration of Approximate Solution of Ordinary Differential Equation with Initial Condition by New Modified Krasnoselskii Iteration Method" *Scientia Iranica B* **20**(6), pp.1792-1804, 2013. Science Citation Index Expanded

Mutlu A., with Öztunç S., "Categories in Digital Images", *American Journal of Mathematics and Statistics*, **3**(1), 62-66 2013. DOI: 10.5923/j.ajms.20130301.09

Mutlu A., with Mutlu B., "Freeness conditions for quasi 3-crossed modules and complexes of using simplicial algebras with *CW*−bases" *Mathematical Sciences* 2013, **7**:35 http://www.iaumath.com/content/7/1/35

Mutlu A., with Mutlu B., "Quasi 3-Crossed Modules ", *Theoretical Mathematics & Applications* **3**(2), 101-118, 2012. http://www.scienpress.com/Upload/TMA/Vol%202_3_8.pdf

Mutlu A., with Mutlu B., Öztunç S., " On Digital Homotopy of Digital Paths ", *Research Journal of Pure Algebra*, **2**(6), 147-154, 2012. http://www.rjpa.info

Mutlu A., with Mutlu B., "On Semi 3 -Crossed Module by Using Simplicial Algebra", *Global Journal of Science Frontier Research* **XII** (XI) Verrsion 1.0, 81- 90, 2012. https://globaljournals.org/GJSFR_Volume12/Ejournal%20_GJSFR_(F)_Vol_12_Issue_1_January.pdf

Mutlu A., with Mutlu B., "1-skeleton resolution of free simplicial algebras with given CW-basis *World Academy of Science, Engineering and Technology* **88** 16-19 2010. http://www.waset.org/

Mutlu A., with Mutlu B., Uslu E., "To Construction of Free Simplicial Algebras with Given CW-Basis", *International Mathematical Forum*, **4**,(30), 1489–1495, 2009.

Mutlu A., with Mutlu B., Uslu E., Ünver, E., "A Survey on Subcrossed Modules of Groups II", *Journal of Institute of Mathematics and Computer Sciences*, **19**,(2), 119–126, August, 2006.

Mutlu A., "Applications of Free Crossed Square of a Free Simplicial Group With Given CW-Basis," *Algebras Groups and Geometries*, **21**, 211-230, 2004. http://www.i-b-r.org

Mutlu A., "Freness Conditons of Tensors and Coproduct of Groups," *Mathematical & Computational Applications*. **9**(3), 417–426, 2004. Available via http://www.asr.org.tr

Mutlu A., "Combine Simplicial Algebras," *Journal of Institute of Mathematics and Computer Sciences (Mathematics Series)* **17**(3), 207–213, December 2004.

Mutlu A., with Porter T., "Iterated Peiffer pairings in the Moore complex of a simplicial group". *Applied categorical Structure* **9**, No: 2, pp. 111-113. 2001, http://www.wkap.nl/journalhome.htm/0920-3036. Science Citation Index Expanded

Mutlu A., with Porter T., "Freeness conditions for crossed squares and squares complexes", *K-Theory*. **20**, No: 4, pp. 345-368, 2000. http://www.wkap.nl/journalhome.htm/0927-2852 Science Citation Index Expanded

Mutlu A., "Free 2-crossed complexes of simplicial algebra". *Mathematical & Computational Applications.* **Vol. 5**, No: 1, pp.13-22. 2000. ULAKBİM

Mutlu A., "Join for (Augmented) simplicial group". *Mathematical & Computational Applications.* **Vol. 5**, Number: 2, pp.105-112, 2000. ULAKBİM

Mutlu A., with Porter T., "Free crossed resolutions from simplicial resolutions with given CW-basis". *Cahiers de Toplologie et Geomtrie Differentielle Categorieques.* **XL-4**, pp.261-283, 1999.

Mutlu A., "Applications of Peiffer commutators in the Moore complex of a simplicial group its given with GAP". *Indian Journal of Pure and Applied Sciences Sec. E-Mathematics and Statistics* **Vol. 18E**, No: 1, pp. 89-100, 1999.

Mutlu A., "Peiffer commutators by using GAP Package simplicial group". *Mathematical & Computational Applications.* **Vol. 3**, Number: 1, pp.59-65, 1998.

Mutlu A., "Describe Peiffer commutators with GAP program in the Moore complex of a simplicial", *Hadronic Supplement Journal Vol:**13**, pp: 179-190, 1998.* http:// www.i-b-r.org

Mutlu A., "The proof of the Brown-Loday Lemma's bu using Peiffer commutators", *Hadronic Supplement Journal Vol:**13**, pp: 299-314, 1998.* http:// www.i-b-r.org

Mutlu A., with Porter T., "Applications of Peiffer pairing in the Moore complex of a simplicial group", *Theory and Applications of Categories, Vol: **4**, No: 7, pp:148-173, 1998,* http://www.tac.mta.ca/tac or ftp://ftp.tac.mta.ca/pub/tac/html/volumes/1998/n7/n7.{dvi, ps}

Mutlu A., with Porter T., "Freeness conditions for 2-crossed modules and complexes", *Theory and Applications of Categories, Vol: **4**, No: 8, pp:174-194, 1998,* http://www.tac.mta.ca/tac or ftp://ftp.tac.mta.ca/pub/tac/html/volumes/1998/n7/n7.{dvi, ps}.

PROCEEEDINGS

Mutlu A., with Öztunç S. and Aslan S. "*Soft Fixed Point Theorems for Rectangular Soft Metric Spaces*", 2. International Students Science Conference, 4-5 May 2018, İzmir/Turkey. (Özet Bildiri/Sözlü Sunum)

Mutlu A., with Öztunç S. and Aslan S. "*Soft Fixed Point Theorems for Kannan Type Mappings by Using Rectangular Soft Metric*", International Conference on Mathematics:An Istanbul Meeting for World Mathematicians, 3-6 July 2018, İstanbul /Turkey. (Özet Bildiri/Sözlü Sunum)

Mutlu A., with Öztunç S. and Yılmaz N. "*Some Soft Fixed Point Theorems by Using Steinhaus Transform Soft Metric*", 2. International Students Science Conference, 4-5 May 2018, İzmir/Turkey (Tam Metin)

Mutlu A., with Öztunç S. and Özdemir K. "*Some Soft Fixed Point Results for Soft Near Metric Spaces*", 2. International Students Science Conference, 4-5 May 2018, İzmir/Turkey. (Tam Metin)

Mutlu A., with Özkan K. and Gürdal U. "*Some Generalizations of Banach Contraction Principle in Bipolar Metric Spaces*", 2. International Students Science Conference, 4-5 May 2018, İzmir/Turkey. (Özet Bildiri/Sözlü Sunum)

Mutlu A., with Özkan K. and Gürdal U. "*Compact Modular Metric Spaces and Some Fixed-Point Results*" International Conference on Mathematics and Engineering İstanbul 10-12 May, 2017, Istanbul, Turkey (Özet Bildiri/Sözlü Sunum)

Mutlu A., with Özkan K. and Gürdal U. "*The Fixed Point Theorems on Complex Valued Modular Metric Spaces*" International Conference on Mathematics and Engineering 10-12 May, 2017, Istanbul, Turkey (Özet Bildiri/Sözlü Sunum)

Mutlu A., with Öztunç S. and Aslan S. "*Categorical Structures of Soft Groups*", International Students Science Conference, 5-6 May 2017, İzmir/Turkey. (Özet Bildiri/Sözlü Sunum)

Mutlu A., with Özkan K. and Gürdal U. "*A Survey on Modular Metric Space*" International Conference on Applied Mathematics and Analysis (ICAMA2016) (Özet Bildiri/Sözlü Sunum) 2016.

Mutlu A., with Bildik, N., Bakır Y., "*Ishakawa Iteration Method for the Approximation Solution of Ordinary Differential Equations*" International Conference on Applied Analysis and Algebra (ICAAA2012), 20-24 June 2012, Yıldız Technical University İstanbul, TURKEY sayfa 201

Mutlu A., with Öztunç S., Bildik, N., "*The Construction of Simplicial Groups in Digital Images*", International Congress in Honour of Professor Hari M. Srivastava, 23-26 August 2012 Uludağ University Görükle/BURSA TURKEY pp. 126.

Mutlu A., with Öztunç S., *The Structure of Simplicial Sets in Digital Images***,** International Conferences on Applied Analysis and Algebra (ICAAA2012), 20-24 June 2012, Yıldız Technical University İstanbul, TURKEY sayfa 246

Mutlu A., with Öztunç S., *Application of Partial Metric to the Norm Space*, X. Geometri Sempozyumu Balıkesir Burhaniye 2012 sayfa 112.

Mutlu A., with Öztunç S., Bildik, N., "*Probleme Dayalı Topoloji Öğretimi"11.* Matematik Sempozyumu 19-21 Eylül 2012 Samsun Ondukuz Mayıs Üniversitesi Anadoluda Matematik Temalı.

Mutlu A., with Bildik, N., Öztunç S., "*Directed Homotopy Theory of Digital Images*" The 4th Congress of the Turkic World Mathematical Society (TWMS), 1-3 Temmuz 2011, Bakü, AZERBAYCAN.

Mutlu A., with Mutlu B., Bildik, N., Öztunç S.,, "*CW-Bazıyla Verilen Free Simplisıl Cebirlerin 2-İskelet Resolasyonu*" 5. Ankara Matematik Günleri Sempozyumu 3-4 Haziran 2010 TOBB ETÜ Matematik Bölümü Ankara.

Mutlu A., with Mutlu B., Öztunç S.,, "*Dijital Kategoriler*" 5. Ankara Matematik Günleri Sempozyumu 3-4 Haziran 2010 TOBB ETÜ Matematik Bölümü Ankara.

Mutlu A., ''*Crossed squares equivalent to 2- crossed modules of a simplicial group*'' *XI. Ulusal Matematik Sempozyumu,* 7-11 Eylül, Isparta Süleyman Demirel Üniversitesi Fen-Edebiyat Fakültesi Matamatik Bölümü pp. 71-80, 1998.

Mutlu A., with Bildik, N., "*2-Crossed Complexes of Simplicial Algebras*", [I.Türk Matematik Dünyası Sempozyumu, Fırat Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, Elazığ/TÜRKİYE, 29 Haziran-2 Temmuz 1999.] Vol.11,No.3, pp:141-156.

Mutlu A., ''*The proof of the Brown-Loday Lemma's*'' isimli bildirisini Kırıkkale Üniversitesi Fen-Edebiyat Fakültesince 20-22 Mayıs 1998 tarihleri arasında düzenlenen II. Kızılırmak Uluslararası Fen Bilimleri Kongresine sunmuş ve Matematik Kitapçığında 169-175 sayfalarda yayınlanmıştır.