

CURRICULUM VITAE

PERSONAL INFORMATION

Name ALP , MURAT
Address NIGDE UNIVERSITY ART AND SCIENCE FACULTY,
MATHEMATICS DEPARTMENT NIGDE
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E-mail muratalp@nigde.edu.tr
Nationality Turkish
Date of birth 18 SEPTEMBER 1967
Marital Status MARRIED WITH 3 CHILDREN
Religion ISLAM

WORK EXPERIENCE

- Dates (from – to)
 - Prof. Dr. American Univ. of the Middle East, Kuwait 2018
 - Prof. Dr. Niğde University 2009 -2019
 - Assoc.Prof.Dr. Dumlupınar University 2003-2009
 - Assist.Prof.Dr. Dumlupınar University 1998-2002
 - Research Assistant Dumlupınar University 1993-1998
 - Research Assistant İnönü University 1992-1993
 - Research Assistant Erciyes University 1992-1992
 - Teacher 1990-1992
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from – to)
 - Dumlupınar University, Graduate School of Social Studies, Turkey, MA 2004-2007
 - Anadolu University, Faculty of Economics and Administrative Sciences, MBA 2004-2008
 - University of Wales, Bangor, England, PhD
 - Erciyes University Science Institute, MSc 1991-1993
 - Ankara University Science Faculty, BSc, 1985-1989.
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Category Theory, Cat1-Group, GAP (Group, Algorithm and Programming), Crossed Modules, Fibonacci Sequences
- Title of qualification awarded
 - Level in national classification (if appropriate)

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE Turkish

OTHER LANGUAGES

- Reading skills EXCELLENT
- Writing skills EXCELLENT
- Verbal skills EXCELLENT

SOCIAL SKILLS AND COMPETENCES

*Living and working with other people, in
multicultural environments, in positions
where communication is important and
situations where teamwork is essential
(for example culture and sports), etc.*

ORGANISING SIGNING SCIENTIFIC AGREEMENT BETWEEN NIGDE UNIVERSITY AND
KAZAKH STATE WOMEN PEDEGOGICAL UNIVERSITY (AS VICE RECTOR)
ORGANISING SIGNING SCIENTIFIC AGREEMENT BETWEEN NIGDE UNIVERSITY AND
NAPOLI FEDERICO II UNIVERSITY (AS VICE RECTOR)
ORGANISING MORE THAN 15 AGREEMENTS AS ABOVE.
ORGANISING ADMINISTRATIVE STUFFS MOBILITY BETWEEN EUROPIAN UNIVERSITIES
AND NIGDE UNIVERSITY (AS INTERNATIONAL RELATION OFFICE RESPONSIBLE)

ORGANISATIONAL SKILLS AND COMPETENCES

*Coordination and administration of
people, projects and budgets; at work, in
voluntary work (for example culture and
sports) and at home, etc.*

CREATING PROJECTS AND PROJECT TEAM.
BOY-SCOOT TROOP
MOS CERTIFICATE (WORD,EXCEL,POWERPOINT, ACCESS, OUTLOOK EXPRESS)
APPLICATION DIPLOMA SUPPLEMENT AND GETTING DIPLOMA LABEL FOR NIGDE
UNIVERSITY FROM EUROPIAN UNION
APPLICATION ECTS LABEL AND GETTING ECTS LABEL FOR NIGDE UNIVERSITY

TECHNICAL SKILLS AND COMPETENCES

*With computers, specific kinds of
equipment, machinery, etc.*

USING COMPUTER AS SOME PROGRAMMING LANGUAGE SUCH AS GAP, C++, AXIOM
USING SOFTWARES SUCH AS MICROSOFT TOOLS, MAPLE, MATHCAD, LATEX,
SCIENTIFIC WORD, MICROSOFT OFFICE SPECIALIST
CREATING NIGDE UNIVERSITY STUDENT, STUFFS AND BOLOGNA OTOMATIONS
CREATING NIGDE UNIVERSITY WEB CITE www.nigde.edu.tr

ARTISTIC SKILLS AND COMPETENCES

Music, writing, design, etc.

WRITING POEM
WRITING STORY

OTHER SKILLS AND COMPETENCES

Competences not mentioned above.

Head of Department	Dumlupinar University	1998 - 2008
Science Institute Committe Member	Dumlupinar University	1998-2001
Science and Art Faculty Comitte Member	Dumlupinar University	2004- 2007
Vice Rector	Nigde University	2009-2017
Dean of Education Faculty	Nigde University	2011-2012
Head of Department	Nigde University	2009-2012
Dean of Art and Science Faculty	Nigde University	2012-2017
Responsible Vice Rector for Bologna Process	Nigde University	2009-2017

DRIVING LICENCE(S)

CLASS B

ADDITIONAL INFORMATION

PROF. DR. ADNAN TERCAN	HACETTEPE UNIVERSITY,	TURKEY
PROF. DR. MAHDI BOUKROUCHE	ST ETIENNE UNIVERSITY,	FRANCE
PROF. DR. LUIGI DAMBRA	NAPOLI FEDERICO II UNIVERSITY,	ITALY

A. International Publications :

- A.1.** Murat ALP, *Pullbacks of Crossed Modules and Cat1-Groups*, Turkish Journal of Mathematics, Vol. (22), No: 3, 273-281, (1998).
- A.2.** Z. ARVASI, M. KOÇAK, Murat ALP, *A Combinatorial Definition of n-types Simplicial Commutative Algebra*, Turkish Journal of Mathematics, Vol. (22), No: 3, 243-271, (1998).
- A.3.** Murat ALP, *Left Adjoint of Pullback Cat1-Groups*, Turkish Journal of Mathematics, Vol. (23), No: 2, 243-249, (1999).
- A.4.** Murat ALP, *Characterization of Crossed Corner*, Algebras, Groups and Geometries, Vol. (16), No: 2, 173-182, (1999).
- A.5.** Murat ALP, *Applications of Crossed Corner*, Algebras, Groups and Geometries, No: 2, 337-344, (1999).
- A.6.** Murat ALP, *Some results on Derivation groups*, Turkish Journal of Mathematics, Vol. 24, No.:2, 121-128, (2000).
- A.7.** Murat ALP, *Special cases of Cat1-groups*, Algebras, Groups and Geometries, Vol. 17, 468- 478, (2000).
- A.8.** Murat ALP and C. D. WENSLEY, *Enumeration of Cat1-groups of low order*, International Journal of Algebra and Computation, Vol. 10, No: 4, 407-424, (2000).
- A.9.** Murat ALP, *Induced Cat1 - groups*, Turkish Journal of Mathematics, Vol. 25, 1-17, (2001).
- A.10.** Murat ALP, *Section in GAP*, Proceedings of Institute of Mathematics and Mechanics of Azerbaijan, Vol. 14, 18-26, (2001).
- A.11.** Murat ALP, *Actor and Whitehead cat1- groups*, Hadronic Journal Supplements, Vol. 16, 427-437, (2001).
- A.12.** Murat ALP, *Relation between crossed square and crossed corner*, Algebras, Groups and Geometries, Vol. 18, 331-340, (2001).
- A.13.** Murat ALP, *Enumeration of Whitehead groups of low order*, International Journal of Algebra and Computation, Vol. 12, No:5, 645-658 (2002).
- A.14.** Murat ALP, *Left adjoint of pullback cat1-profinite groups*, Turkish Journal of Mathematics, Vol. 26, 159-168 (2002).
- A.15.** Murat ALP and O. GURMEN, *Pushouts of profinite crossed module and cat1-profinite groups*, Turkish Journal of Mathematics, Vol. 27, 1-10 (2003).
- A.16.** Murat ALP, *Enumeration of simplicial groups of low order*, Indian Journal of Pure and Applied Mathematics, Vol. 35, No:3, 333-345, (2004).
- A.17.** Murat ALP, *Enumeration of Derivations and Sections*, Algebras Groups and Geometries, Vol. 23, 73-84, (2006).
- A.18.** Murat ALP, *Pullbacks of Crossed Modules and Cat1-Commutative Algebras*, Turkish Journal of Mathematics, Vol. 30, 237-246, (2006).
- A.19.** Murat ALP, *Pullbacks of Pro-C Crossed modules and cat1-Pro-C groups*, Journal of Applicable Functional Differential Equations, Vol. 1, No: 1, 117-121, (2006).
- A.20.** Murat ALP, *Classification of Simply Connected and Aspherical Crossed modules of low order*, Advanced Studies in Contemporary Mathematics, Vol. 13, No: 3, 255-271, (2006).
- A.21.** Murat ALP, *Enumeration of actor square of low order*, Proceedings of the Jangjeon Mathematical Society, Vol. 9, No: 2, 175-190, (2006).
- A.22.** Murat. ALP, *Pullback Crossed modules of Algebroids*, Iranian Journal of Science and Technology, Transaction A, Vol. 32, No: A1, 1-5, (2008).
- A.23.** Murat ALP, *Pushout Crossed modules of Algebroids*, Iranian Journal of Science and Technology, Transaction A, Vol. 32, No: A3, 175-181,(2008).
- A.24.** Murat ALP and C. D. WENSLEY, *Automorphisms and Homotopies*

of Groupoids and Crossed modules, Applied Categorical Structures, Vol.18 No: 5, 473-504, (2010).

A.25. Murat ALP, N. IRMAK and L. SZALAY. *Two-periodic ternary recurrences and their Binet-formula*, Acta Math. Univ. Comenianae, LXXXI:227-232, 2012.

A.26. Murat ALP, N. IRMAK and L. SZALAY, *Balancing diophantine triples*, Acta Univ. Sapientiae, 4/4,11-19, 2012.

A.27. N. IRMAK and Murat ALP, *Tribonacci Numbers with Indices in Arithmetic Progression and Their sums*, Miskolc Mathematical Notes, Vol. 14, No:1, 125-133, (2013).

A.28. N. IRMAK and Murat ALP, *Some Identities for generalized Fibonacci and Lucas Sequences*, Hacettepe Journal of Mathematics and Statistics, Vol. 42, No: 4, 331-338, (2013).

A.29. Bijan DAVVAZ and Murat ALP, *Cat¹-Polygroups and Pullback Cat¹-Polygroups*, Bulletin of the Iranian Mathematical Society, Vol.40, No:3, 721-735, (2014).

A.30. Murat ALP and Bijan DAVVAZ, *Pullback and pushout crossed polymodules*, Proc. Indian Acad. Sci. (Math. Sci.), Vol. 125, No :1, 11-20, (2015).

A.31. Murat ALP, Nurettin IRMAK and Laszlo Szalay, *Reduced diophantine quadruples with the binary recurrence $G_n = AG_{n-1} - G_{n-2}$* , Analele Stintifice Ale Universitatii Ovidius Constanta Seria Mathematica, Vol.23, No : 2, 23-31, (2015).

A.32. Murat ALP and Bijan DAVVAZ, *Crossed Polymodules and fundamental relations*, U.P.B. Sci. Bull., Series A, Vol. 77, No:2, 129-140, (2015).

A.33. Murat ALP, Nurettin IRMAK and Laszlo Szalay, *Balancing Diophantine triples with distance 1*, Journal Periodica Mathematica Hungarica, Vol.71, No:1, 1-10, (2015).

A.33. Nurettin IRMAK and Murat ALP, *Pellans sequence and its Diophantine triples*, Publications de l'InstitutMathematique, Vol. 100, No: 114, 259-269, (2016).

A.34. Murat ALP and Bijan DAVVAZ, *Crossed modules of hypergroups associated with generalized actions*, Hacettepe Journal of Mathematics and Statistics, Vol. 45, No:3, 663-673, (2016).

A.35. Nurettin IRMAK and Murat ALP, *k-generalized Fibonacci numbers close to the form $2^a + 3^b + 5^c$* , J Acta Mathematica UniversitatisComenianae, Vol. 86, No:2, 279-286, (2017).

A.36. Nurettin IRMAK and Murat ALP, *Balancing with powers of the Lucas sequence of recurrence $u_n = Au_{n-1} - u_{n-2}$* , J Miskolc Mathematical Notes, Vol. 18, No:2, 851-858, (2017).

A.37. Murat ALP and Bijan DAVVAZ, *Hypergroups and their pullback and pushout structures*, J Hacettepe Journal of Mathematics and Statistics, Vol. 47, No:2, 237-250, (2018)

A.38. Bijan DAVVAZ and Murat ALP, *Derivation and actor of crossed polymodules*, J. Korean Soc. Math. Educ. Ser. B Pure Appl. Math., Vol. 25, No:3, 203-218, (2018).

A.39. Bijan DAVVAZ and Murat ALP, *Cat¹-Hypergroups and Pullback Cat¹-Hypergroups*, MatematickiVesnik, Vol. 71, No :4, 316-325, (2019)

B. Presented Talk in the International Symposiums:

B.1. Murat ALP, *Relation Between Crossed square and Crossed Corner*, II. International Kızılırmak Science Institute Conference, 20 – 22 Mayıs 1998 Kırıkkale. 162 –167.

B.2. Murat ALP, *Applications of Crossed Corner*, II. International Kızılırmak Science Institute Conference, 20 – 22 Mayıs 1998 Kırıkkale. 176-180.

B.3. Murat ALP, *Actor of Crossed modules of Algebroids*, Proc. 16th Int. Conf. Jangjeon Math. Soc. Vol.16, 6-15, (2005).

B.3. Mohammad Ali DEGHANI, Bijan DAVVAZ and Murat ALP, *On Crossed Polysquares and Fundamental Relations*, Sigma Journal of Engineering and Natural Sciences, Vol.9, No: 1, 1-16, (2018).

C. International Books or Chapters in these Books:

C.1. Murat ALP, C. D. WENSLEY, *XMOD: Crossed Modules and Cat1-groups in GAP*, GAP programme share Package, Version 2.22, 1-48, (2013).

D. Published Books:

D.1 E, OZDAMAR, A. GORGULU and Murat ALP, *General Topology*, Uludag University Publication, Bursa, ISBN : 975-6958-11-1

D.2 B, MUSAYEV and Murat ALP, *Functional Analysis*, Balci Publications, Ankara, 2000.

D.3 H. A. YALIM, I. EKINCIOGLU and Murat ALP, *Computers and Computer Programming*, Afyon Kocatepe University, Afyon, ISBN : 975-97047-7-3

D.4 B. MUSAYEV, Murat ALP, N, MUSTAFAYEV and I. EKINCIOGLU, *Analysis Volume I*, Tek Ağaç Eylül Publication. ISBN: 975-6806-31-1.

D.5 B. MUSAYEV, Murat ALP and N, MUSTAFAYEV, *Analysis Volume II*, Tek Ağaç Eylül Publication. ISBN: 975-6806-32-x.

D.6 Murat ALP and A committee, *Microsoft Tools*, Dumlupınar University Publication No: 10, (2003), ISBN:975-92268-2-0.

D.7 Translation Committee and Murat ALP, *Mathematics Calculus and Analytic Geometry Problem Solutions (Edwards, H. And Penney, D. E)*, Palme Publication, Vol. I, ISBN: 975-8624-18-0.

D.8 Translation Committee and Murat ALP, *Mathematics Calculus and Analytic Geometry Problem Solutions (Edwards, H. And Penney, D. E)*, Palme Publication, Vol.II, ISBN: 975-8624-18-0.

E. Projects:

E.1. Murat ALP, *Crossed Modules*, Dumlupınar University, Pproject No:31, (2006).

E.2. Murat ALP, *Analysis of giving up High school : Kütahya example*, TUBITAK Project No: 105K149, (2006) .

E.3. Murat ALP, *Abstarct Algebra with GAP*, Dumlupınar University, Project No: 2006/1. (2008).

E.4. Murat ALP, *Crossed Square in GAP*, Nigde University Project No:FEB 2010/16. (2012).

E.5. Murat ALP, *On k- order Fibonacci sequence as sum of the primes*, Nigde University, Project No :FEB 2013/30-BAGEP. (2014).

F. Grands:

F.1. Murat ALP, *Crossed n-cube of Actor crossed Square*, TUBITAK BAYG NATO-B2 (Completed in United Kingdom with Dr. Chris Wensley, 2003).

F.2. Murat ALP, *Automorphisms and Homotopies of Groupoids and Crossed modules*, TUBITAK BAYG NATO-B2 (Completed in United Kingdom with Dr. Chris Wensley, 2007).

F.3. Murat ALP, *Giving lectures and talks*, Completed in St-Etienne University, France by Erasmus Project.

F.4. Murat ALP, , *Giving lectures and talks*, Completed in Benevento University, Italy by Erasmus Project.

F.5. Invitation Prof. Dr. Bijan DAVVAZ (Iran), Supported by TUBITAK, 2012.

F.6. Invitation Prof. Dr. Laszlo Szalay (Hungary), Supported by TUBITAK, 2013.

F.7. Invitation Prof. Dr. Bijan DAVVAZ (Iran), Supported by TUBITAK, 2014.

ORGANIZATIONS

G. Symposium Organising Committee

G.1. XIX. National Mathematics Symposium, Head of Symposium Committee, 2006.

G.2. XIX. National Mathematics Symposium Science Committee member, 2006.

G.3. XX. National Mathematics Symposium Science Committee member, 2007.

G.4. The 2nd International Conference on Computation for Science and Technology, Organising Committee member, 2012. <http://iccst.nigde.edu.tr/>

G.5. X. Science and Mathematics Education Symposium, Head of Organising Committee, 2012. http://kongre.nigde.edu.tr/xufbmek/?page_id=174

G.6. I. International Language, History and Culture Symposium, Head of Organising Committee, 2012.

http://sempozyum.nigde.edu.tr/tarih/?page_id=173

G.7. XXV. National Mathematics Symposium, Head of Symposium Committee, 2012. http://sempozyum.nigde.edu.tr/ums/?page_id=109

G.8. International conference on Applied Analysis and Algebra, Organising Committee member, 2012. <http://www.ica12.yildiz.edu.tr/Committee.aspx>

G.9. International conference on Applied Analysis and Mathematical Modeling, Organising Committee member, 2013.

<http://www.ica13.yildiz.edu.tr/DynamicContent.aspx?Pid=3>

G.10. First International Research Symposium on the Turkish World, Organising Committee member, 2012.

http://sempozyum.nigde.edu.tr/tudetko/index_en.php#duzenleme_kurul_en

COMPLETED THESIS

H. Completed MSc Thesis and PhD thesis

H.1. Sedat PAK, *Crossed Modules and GAP (Group, algorithm, programming) applications*, MSc Thesis, Dumlupinar University, 1999.

H.2. Nilüfer ARSLANDOĞDU, *Non Abelian Tensor Product and GAP applications*, MSc Thesis, Dumlupinar University, 2000.

H.3. Ahmet BEKİR, *Crossed Square*, MSc Thesis, Dumlupinar University, 2000.

H.4. Erdal ULUALAN, *Crossed Corner*, MSc Thesis, Dumlupinar University,, 2000.

H.5. Yasemin DEMİRAL, *Pullback crossed modules and cat1-groups*, MSc Thesis, Dumlupinar University, 2002.

H.6. Emine Şenyiğit POLATLI, *Derivation Groups*, MSc Thesis, Dumlupinar University, 2002.

H.7. Özgün GÜRMEK, *Profinite crossed modules*, MSc Thesis, Dumlupinar University, 2003.

H.8. Yalçın ÜSTÜN, *Induced cat1-groups*, MSc Thesis, Dumlupinar University, 2004.

H.9. Alper ODABAŞ, *Abstract Algebra and Number Theory by GAP (Group, algorithm and programming)*, MSc Thesis, Dumlupinar University, 2004.

H.10. Mehmet KAYGISIZ, *Crossed Modules*, MSc Thesis, Dumlupinar University, 2004.

H.11. Nesrin ÇALIŞKAN, *Pro- C Crossed Modules*, MSc Thesis, Dumlupinar University, 2006.

H.12. Fatih BOZ, *Crossed Modules on Commutative Algebras*, MSc Thesis, Dumlupinar University, 2006.

H.13. Özgün GÜRMEK, *Induced cat1-Commutative Algebras*, PhD Thesis, Osmangazi University, 2007.

H.14. Ezgi YAVUZ, *Crossed Modules for Lie Algebras*, MSc Thesis, Dumlupinar University, 2008.

H.15. Güllühan ORHAN, *Crossed Square and Commutative Algebras*, MSc Thesis, Dumlupinar University, 2008.

H.16. Nurettin IRMAK, *Diophantine Triples of Linear Recurrence*, PhD Thesis, Nigde University.

EDITORIAL BOARD

I. Member of Editorial Board

I.1. Kastamonu University Kastamonu Education Journal,

http://www.kefdergi.com/18_1_hakemler.html

I.2. Adiyaman University Journal of Science,

http://www.adyufbd.com/DergiDosyalar/399460114_Jenerik%20cilt%20%20say%C4%B1%202.pdf

I.3. Journal of Science and Engineering,

http://www2.kafkas.edu.tr/fbe/arsiv/sayi_1.pdf

I.4. Panelist for 15 TUBITAK Projects

FAIRS

J. Joining Education Fair for Nigde University

Joining education fair to give information about Nigde University to the foreign students in Kazakhstan, Yemen, Ufa, Azarbaijan, Bosnia Herzegovina, Morocco, France, Germany, Poland, Letonia, South Korea, Nigeria, Kosovo, Macedonia, Italy, Slovakia, Vienn, Pakistan, Skopje. Netherlands.

COURSES

K. Giving Courses

Abstract Algebra and Number Theory,
Calculus,

Abstract Algebra and Number Theory with GAP,
Module Theory,

BsC

BsC

MsC

PhD.