

ŞÜKRAN GÜL

August 2020

CONTACT INFORMATION	Department of Mathematics, TED University, Ankara, Turkey E-mail: sukran.gul@tedu.edu.tr				
PERSONAL INFORMATION	• Languages: Turkish, English (fluent), Spanish (elementary) TION				
CURRENT ACADEMIC POSITION	• March 2020–current, Assistant Professor TED University, Ankara, Turkey				
PREVIOUS ACADEMIC	• September 2019–February 2020, Part-time instructor TED University, Ankara, Turkey				
POSITIONS	• Feb. 2017–August 2019, Postdoctoral Fellow University of the Basque Country, Spain				
	• Sept. 2012–Feb. 2017, Teaching Assistant Middle East Technical University, Turkey				
EDUCATION	 2012–2016, PhD in Mathematics Middle East Technical University, Turkey Supervisors: Gülin Ercan and Gustavo A. Fernández-Alcober 				
	• 2009–2013, Minor in Computer Engineering Middle East Technical University, Turkey				
	 2007–2012, BS in Mathematics with High Honor Middle East Technical University, Turkey Graduated as the second highest ranked student with CGPA: 3.87 / 4.00 				
RESEARCH INTERESTS	Group theory: finite p -groups and nilpotent groups, pro- p groups and profinite groups, Beauville groups, groups acting on rooted trees.				
PUBLICATIONS	PUBLICATIONS				
& PREPRINTS	 Grigorchuk-Gupta-Sidki groups as a source for Beauville surfaces, (joint with J. Uria-Albizuri), Groups Geom. Dyn. 14(2) (2020), 689–704. 				
	 On the asymptotic behaviour of the number of Beauville and non-Beauville p- groups, (joint with G. A. Fernández-Alcober and M. Vannacci) Proc. London Math. Soc. 120(2) (2020), 220-241. 				

	3. Purely (non-) strongly real Beauville p-groups, Arch. Math. 115 (1) (2020), 1–11.
	 On ramification structures for finite nilpotent groups, Hacet. J. Math. Stat. 48(6) (2019), 1642–1652.
	 An infinite family of strongly real Beauville p-groups, Monatsh. Math. 185 (2018), 663–675.
	 Metabelian thin Beauville p-groups, (joint with N. Gavioli) J. Group Theory 21 (2018), 351–363.
	 Beauville structures in finite p-groups, (joint with G. A. Fernández-Alcober) J. Algebra 474 (2017), 1–23.
	 8. Beauville structures in p-central quotients, J. Group Theory 20 (2017), 257–267.
	PREPRINTS
	 Beauville p-groups of wild type and groups of maximal class, (joint with G. A. Fernández-Alcober, N. Gavioli and C. M. Scoppola) (2017), 1-7, available at arXiv:1701.07361 [math.GR].
	 A note on strongly real Beauville p-groups, (2016), 1-6, available at arXiv:1607.08907 [math.GR].
FELLOWSHIPS &	1. Feb. 2018–August 2019, Postdoctoral Fellowship of the University of the Basque Country.
SCHOLARSHIPS	2. June 2017–Dec. 2017, Postdoctoral Fellowship of the project "Groups, Topology and Applications".
	3. Feb. 2015–Aug. 2015, 2214/A-International Research Fellowship for Doctorate Students
	TUBITAK (the Scientific and Technological Research Council of Turkey)
	4. Sept. 2012–Dec. 2016, 2211-Domestic Doctorate Fellowship TUBITAK (the Scientific and Technological Research Council of Turkey)
	5. 2009–2012, Scholarship for Undergraduate Students Istanbul Middle East Technical University Alumni Association
AWARDS	1. 2018, PhD Best Thesis Award Middle East Technical University, Turkey
	2. 2018, Accreditation "Profesor Ayudante Doctor" by Spanish Government.
	3. 2014, Graduate Courses Performance Award (with a score of 3.97 over 4.00) Middle East Technical University, Turkey

TALKS	TALKS			
α SEMINARS	1. Groups and Topological Groups, Milano, Italy, July 2019, On purely (non-) strongly real Beauville p-groups.			
	2. XII Encuentro de Teoría de Grupos, Zaragoza, Spain, June 2018, On asymptotics of Beauville p-groups.			
	3. Trees, dynamics and locally compact groups, Düsseldorf, Germany, June 2018, Grigorchuk-Gupta-Sidki-groups as a source for Beauville surfaces.			
	4. Groups and Topological Groups, Vienna, Austria, December 2017, On ramification structures for finite nilpotent groups.			
	 IV Congreso de Jóvenes Investigadores de la Real Sociedad Matemática Española, Valencia, Spain, September 2017, Strongly real Beauville p-groups. 			
	 yGAGTA: Young Geometric and Asymptotic Group Theory with Applications, Bilbao, Spain, June 2017, Beauville p-groups. 			
	7. Groups and Topological Groups, Trento, Italy, June 2017, Thin Beauville p-groups and Beauville surfaces.			
	8. XI Encuentro de Teoría de Grupos, Barcelona, Spain, September 2016, Beauville structures in finite p-groups.			
	9. Groups and Their Actions, Bedlewo, Poland, June 2015, New results on Beauville p-groups.			
	 First Joint International Meeting RSME-SCM-SEMA-SIMAI-UM, Bilbao, Spain, July 2014, Beauville structures in powerful p-groups and regular p-groups. 			
	SEMINARS			
	1. University of the Basque Country, Bilbao, Spain, June 2017, Cayley digraphs of prime-power orders are hamiltonian.			
	2. University of the Basque Country, Bilbao, Spain, October 2015, Thin groups of prime-power order and thin Lie algebras.			
POSTER PRESENTATIONS	1. Group Theory in Ankara, Turkey, 2019, On the number of Beauville and non-Beauville p-groups.			
	 II Joint Meeting Spain-Brazil in Mathematics, Cádiz, Spain, 2018, On the number of Beauville and non-Beauville p-groups. 			
	3. Ischia Group Theory, Naples, Italy, March 2018, Grigorchuk-Gupta-Sidki-groups as a source for Beauville surfaces.			
	4. 4th Cemal Koç Algebra Days, Ankara, Turkey, April 2016, Beauville structures in finite p-groups.			
	5. Ischia Group Theory, Naples, Italy, March 2016, Beauville structures in p-central quotients.			

CONFERENCES, COURSES &	• Young Geometric Group Theory VIII, UPV/EHU, Bilbao, Spain, June 30th-July 5th, 2019.		
WORKSHOPS	• A course entitled "Growth and relations of graded rings", ICMAT, Madrid, Spain,		
	 May 6–9, 2019. GTA Gran Bilbao, UPV/EHU, Bilbao, Spain, February 28–March 1, 2019. A course entitled "Profinite Groups", University of Salerno, Salerno, Italy, March 13–16, 2018. 		
	• A course entitled "Computational group theory with GAP", UPV/EHU, Bilbao, Spain, January 29–February 9, 2018.		
	• A course entitled "Groups of automorphisms of <i>p</i> -adic rooted trees", University of Salerno, Salerno, Italy, June 12–16, 2017.		
	• Groups and Topological Groups, Salerno, Italy, November 20–21, 2015.		
	• International Mini-Workshop on Finite Groups and Their Automorphisms, Dogus University, Istanbul, Turkey, August 7–12, 2015.		
	• Workshop on the Hanna-Neumann Conjecture, UPV/EHU, Bilbao, Spain, June 29–July 10, 2015.		
	• Workshop on Homological Algebra, ICMAT, Madrid, Spain, March 2–6, 2015.		
	• 2nd Biennial International Group Theory Conference, Dogus University, Istanbul, Turkey, February 4–8, 2013.		
	• International Workshop on Finite Groups and Their Automorphisms, Bosphorus University, Istanbul, Turkey, June 7–11, 2011.		
ACADEMIC	1. Local organizer of		
ACTIVITIES	• Young geometric and asymptotic group theory with applications (yGAGTA) University of the Basque Country, Bilbao, Spain, June 26-30, 2017 https://sites.google.com/site/gagta2017/ygagta		
	• Geometric and asymptotic group theory with applications (GAGTA) University of the Basque Country, Bilbao, Spain, July 3-7, 2017 https://sites.google.com/site/gagta2017/		
	2. Beferee for		
	 Journal of Group Theory Hacettepe Journal of Mathematics and Statistics Turkish Journal of Mathematics 		
PROJECTS	 Grupos y Geometría, MTM2017-86802-P. PI: G. A. Fernández Alcober, J. González Sánchez. Funding entity: Ministry of Economy, Industry and Competitiveness of the Spanish Government. Duration: 01.01.2018–31.12.2020. 		
	 Groups, Topology and Applications, IT974-16. PI: Ilya Kazachkov. Funding entity: Basque Government. Duration: 01.01.2016–31.12.2021. 		

3. Red Española de Teoría de Grupos, MTM2015-71830-REDT.
 PI: José Burillo. Funding entity: Ministry of Economy and Competitiveness of

the Spanish Government. Duration: 01.01.2016–31.12.2017.

	 Grupos, Representaciones y Geometría, MTM201 PI: G. A. Fernández Alcober, J. González Sáno Ministry of Economy and Competitiveness. Duration: 01.01.2015–31.12.2018. 	.4-53810-C2-2-P. chez. Funding entity: Spanish
	 Grupos, Representaciones y Combinatoria Algebr PI: G. A. Fernández Alcober. Funding entity: Ba Duration: 23.01.2015–31.12.2015. 	<i>vaica (GRECA)</i> , IT753-13. sque Government.
UNDERGRADUAT THESIS	 E 1. Iñaki Carranza, University of the Basque Country Hyperbolic groups 	У
CO-SUPERVISION	2. Leire Etxebarria Ikazuriagagoitia, University of the Group theory and cryptography	he Basque Country
ACADEMIC VISIT	 S • University of Lincoln, UK May 2019 (1 week) Collaborated with Gustavo A. Fernández-Alcober 	and Anitha Thillaisundaram
	 University of Bologna, Italy July 2018 (2 weeks) Collaborated with Gustavo A. Fernández-Alcober 	and Marta Morigi
	 University of the Basque Country, Spain Sept. 2016 (1 month) June–July 2016 (1.5 months) Feb. 2015–Feb. 2016 (1 year) June–July 2014 (1.5 months) June–July 2013 (1.5 months, internship) Collaborated with Gustavo A. Fernández-Alcober 	
	 University of L'Aquila, Italy Nov. 2015 (1 month) Collaborated with Norberto Gavioli and Carlo M. 	Scoppola
TEACHING EXPERIENCE	TED University, Turkey Instructor	
	 Math 102: Multivariable Calculus Math 109: Basic Calculus Math 103: Mathematics for Education Majors 	Spring 2020 Fall 2019 Fall 2019, Spring 2020
	University of the Basque Country, Spain	
	Co-instructor	
	Algebraic EquationsBranch Groups (PhD course)	Spring 2019, Spring 2018 Spring 2018

Middle East Technical University, Turkey

Teaching Assistant

• Math 367: Abstract Algebra	Fall 2016, Fall 2014	
• Math 262: Linear Algebra II	Spring 2016	
• Math 260: Basic Linear Algebra	Spring 2016	
• Math 126: Basic Mathematics	Spring 2016	
• Math 120: Calculus of Functions of Several Variables	Spring 2014, Spring 2013	
• Math 119: Calculus with Analytic Geometry I	Fall 2013, Fall 2012	
• Math 117: Calculus I	Fall 2016	
• Math 111: Fundamentals of Mathematics	Fall 2014	
Student Assistant		

•	Math 116: Basic Algebraic Structures	Spring 2012, Spring 2011
•	Math 111: Fundamentals of Mathematics	Fall 2011, Fall 2010

• Math 111: Fundamentals of Mathematics

Gustavo A. Fernández-Alcober, Professor REFERENCES

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Department of Mathematics, University of L'Aquila, Italy Phone +39 0862 433122 scoppola@univaq.it

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Department of Mathematics, University of L'Aquila, Italy Fax +39 0862 433180 gavioli@univaq.it

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