Neşet Deniz Turgay

August 13, 2018
Curriculum vitae

CONTACT INFORMATION	Mathematics Department, Office No:AS 325, Eastern Mediterranean University, Gazimagusa, TRNC, Mersin 10, Turkey
	Phone: +90 392 630 2412
	E-mail: neset.turgay@emu.edu.tr

NATIONALITY Turkish
DATE OF BIRTH 1982
MARIAL STATUS Single

RESEARCH INTERESTS

Algebraic topology; especially Steenrod algebra (MSC 55S10), Hopf algebras; in particular Leibniz-Hopf algebra, Overlapping shuffle algebra (MSC 57T05)

EDUCATION

University of Swansea, Swansea, Wales, UK

Ph.D., Mathematics, February 2013
- Thesis: *Conjugation invariants in word Hopf algebras*
- Supervisor: Martin Crossley
- Second Supervisor: Tomasz Brzezinski

Ege University, Izmir, Turkey

M.S., Mathematics July 2009
- Thesis: *Calculations in the Steenrod algebra*
- Supervisor: Ismet Karaca

University of Aberdeen, Aberdeen, Scotland, UK

Erasmus Programme, Mathematics 2008-2009
- Research subject: *Steenrod algebra*
- Supervisor: Stephen Theriault

Ege University, Izmir, Turkey

B.S., Mathematics June 2006

EMPLOYMENT
- Part-time lecturer, Eastern Mediterranean University, Turkey, 2016-Present.
- Student Demonstrator, Swansea University, U.K, 2009-2013.

ACADEMIC EXPERIENCE
- Part-time lecturer at Eastern Mediterranean University,: Math106- Linear Algebra, Math151- Calculus 1, Math152- Calculus 2, Mate111- General Mathematics, Mate218- Linear Algebra II, Mate306- Topology, Mate319- Analytic Geometry, Math494- Topology, (18.07.2016- present)
- Visitor, Ege University Mathematics Department, 2013 - 2015.

- Tutor, Swansea, Further Maths Support Programme, Wales Institute of Mathematical and Computational Sciences, 2012.
- Tutor, Swansea Maths Master classes February- March 2012.
- Student Demonstrator, Swansea University, UK, 2009-2013.
- Representative Ph.D. student, Swansea University, UK, 2009-2012.
- Volunteer tutorial asistant, Introductory to Mathematics, University of Aberdeen, UK, Spring 2008.
- Topology Seminars,Ege University, Turkey, 2007-2008.

RESEARCH FELLOWSHIPS, GRANTS AND SCHOLARSHIPS

- Departmental Scholarship, Swansea University, U.K. 2009-2012.
- Socrates Erasmus Grant, University of Aberdeen 2008-2009.
- Research project "Calculations in the Steenrod algebra" financed by Faculty of Science, Ege University, Turkey 2008-2009.

PUBLISHED IN JOURNALS COVERED BY SCI AND SCI EXPANDED, INTERNATIONAL

- N.D.Turgay, S.Kaji, The mod 2 dual Steenrod algebra as a subalgebra of the mod 2 dual Leibniz-Hopf algebra. *Journal of Homotophy related Structures*, 12, (2017), 727–739. doi:10.1007/s40062-016-0163-x (SCI-Expanded)
- N.D.Turgay, An alternative approach to the Adem relations in the mod p Steenrod algebra, *Comptes rendus de I'Académie bulgare des Sciences* 70(4), (2017), 457–466. (SCI-Expanded)
- N.D.Turgay, An alternative approach to the Adem relations in the mod 2 Steenrod algebra, *Turkish Journal of Mathematics*, 38(5), (2014), 924-934. doi:10.3906/mat-1309-6 (SCI-Expanded)
- M. D. Crossley, N.D.Turgay, Conjugation invariants in the mod 2 dual Leibniz-Hopf algebra, *Communications in Algebra*, 41(9), (2013), 3261–3266. doi:10.1080/00927872.2012.682675 (SCI-Expanded)
- M. D. Crossley, N.D.Turgay, Conjugation Invariants in the Leibniz-Hopf algebra, *Journal of Pure and Applied Algebra*, 217, (2013), 2247–2254. doi:10.1016/j.jpaa.2013.03.003 (SCI)

SELECTED ARTICLES PUBLISHED IN JOURNALS COVERED BY OTHER INDEXES, INTERNATIONAL

- N.D.Turgay, A remark on the conjugation the conjugation in the Steenrod algebra. *Communications of the Korean Mathematical Society*, 30(3) (2015), 269–276 doi:10.4134/CKMS.2015.30.3.269 (ESCI)
- N.D.Turgay, On the conjugation invariant problem in the mod p dual Steenrod algebra. *Italian Journal of Pure and Applied Algebra*, 34 (2015), 151–158. (ESCI)
- N.D.Turgay, A note on conjugation invariants in the dual-Leibniz Hopf algebra, *International journal of algebra* 17(7) (2013), 809–815. (AMS-MR)

TALKS AT SEMINARS, CONFERENCES AND COLLOQUIUM

- XVII Antalya Algebra Days The dual Steenrod algebra and the Overlapping shuffle product, Turkey, May 2015.
- XV. Antalya Algebra Days, *Some results of conjugation in the mod 2 dual Leibniz-Hopf algebra*, Izmir, Turkey, 22 - 26 May, 2013.
- University of Manchester, *Conjugation invariants in the mod-p and Integral Leibniz-Hopf algebra*, Topology Seminar, 5th November 2012.
- University of Cambridge, *Conjugation invariants in the Leibniz-Hopf algebra*, ICMS, 26th British Topology Meeting 2012, CMS, U.K, September 6-8, 2012.
- Queen's University Belfast, *Conjugation invariants in the mod-2 Leibniz-*

Hopf algebra, Algebra, Combinatorics, Dynamics and Applications, U.K, August 27-30, 2012.

- University of Copenhagen, *Conjugation invariants in the Leibniz-Hopf algebra*, Young Topologists Meeting, Denmark, July 26, 2012.
- University of Edinburgh, *Conjugation invariants in the dual Leibniz-Hopf algebra*, ICMS, 26th British Topology Meeting , U.K, September 1-3 2011.
- Gregynog, *Free conjugation invariants*, Mathematics Colloquium, U.K, 2011.

POSTER PRESENTATIONS
- University of Manchester, *Calculations in the Steenrod algebra*, MAGIC Postgraduate Student Conference,U.K, Jan 12-14, 2009.

AWARDS
- Publication Award, Eastern Mediterranean University. 2017.
- Departmental Scholarship, Swansea University. 2009-2012.
- Erasmus Grant, University of Aberdeen. 2008-2009.

COURSES, CONFERENCES AND MEETINGS ATTENDED
- Dynamics, Topology and Computations Bedlowa, Poland June 15-20, 2015.
- Applied Algebraic Topology Workshop, Castro Urdiales, CIEM Spain, 2014.
- Mathematical Structures of Computation, Directed topology, Lyon France, 2014.
- TTT86, Sheffield University, UK, 2013.
- Modern Perspectives in Homotopy Theory: Infinity Categories and Homotopy Type Theory, Swansea University, 10-13 April, 2012.
- Fourth Sheffield Homotopy Miniconference: Homotopy and Geometry of Loop Spaces 20-22 January, 2012.
- YTM, EPFL, Lausanne, Switzerland, June 14 - 18, 2011.
- TTT75, Sheffield University, UK, 2010.
- International Conference on Algebraic and Geometric Topology, Capital Normal University, Beijing, China, 28 June - 2 July, 2010.
- Toric Topology - Malaga Spring School, Malaga University, Spain, 2010.
- ICMS, Generic Skills Courses for First Year Postgraduates in the Mathematical Sciences, Edinburgh University, UK, Spring 2009.
- ICMS, Generic Skills Courses for Mathematics Later Years Postgraduates, Edinburgh University, UK, Autumn 2008.

REFEREE WORK
- Taylor & Francis Online Cogent Mathematics (2015)

SERVICES
- 2016: Internal M.S. Examiner,Aydin Avkan, Eastern Mediterranean University.

LANGUAGES
- Turkish as native language.
- 2014-YDS (National English Proficiency Exam) Score: 81.25/100

COMPUTER EXPERIENCE
- Latex, Mathematica, Maple

ADDITIONAL EXPERIENCE
- Treasurer of AEGEE "European Students Forum" Abertawe, 2009-2012.

- ACE (Aiming for College Education) day leader, Student ACE day tomorrow with Reaching Winder, Swansea University, 2011–2013.
- Swansea study abroad programme Weihai, China, 2010.
- Member of Scottish Dance Society, 2008.