

# Müfit Sezer

Department of Mathematics  
Bilkent University, Cankaya  
Ankara, 06800 Turkey

Phone: +90-312 2901085  
E-mail: sezer@fen.bilkent.edu.tr

- Education**
- Ph.D., Mathematics, Purdue University May 2003  
Advisor: Professor Luchezar L. Avramov
  - M.S., Mathematics, Bogazici University, Turkey June 1996
  - B.S., Electrical Engineering, Mathematics, Bogazici University, Turkey June 1994
- Professional Experience**
- Associate Professor, Bilkent University, Turkey 2011-present
  - Assistant Professor, Bilkent University, Turkey 2007-2011
  - Assistant Professor, Bogazici University, Turkey 2004-2007
  - Visiting Assistant Professor, Texas Tech University Spring 2006
  - Research Associate, University of Kent at Canterbury 2003-2004
  - Teaching Assistant, Purdue University 1996-2003
- Research Interests**
- Invariant Theory, Commutative Algebra
- Papers**
- *Sharpening the generalized Noether bound in the invariant theory of finite groups*, J. Algebra **254** (2002), no.2, 252–263.
  - *On the coinvariants of modular representations of cyclic groups of prime order*, with J. Shank, J. Pure Appl. Algebra **205** (2006) no. 1, 210-225.
  - *The Noether numbers for cyclic groups of prime order*, with P. Fleischmann, J. Shank and C. Woodcock, Adv. Math. **207** (2006) no. 1, 149-155.
  - *On a theorem of Göbel on permutation invariants*, Comm. Algebra **36** (2008) no. 10, 3723–3729.
  - *The Noether map I*, with M. Neusel, Forum Math. **21** (2009), no.4, 567-578.
  - *The Noether map II*, with M. Neusel, Proc. Amer. Math. Soc. **135** (2007) no.8, 2347–2354.
  - *A note on the Hilbert Ideals of a cyclic group of prime order*, J. Algebra **318** (2007), no.1, 372–376.
  - *Invariants of modular indecomposable representations of  $Z_{p^2}$* , with M. Neusel, Math. Annalen. **341** (2008), 575-587.
  - *Gröbnerian Dickson polynomials*, with O. Unlu, Proc. Amer. Math. Soc. **137** (2009), no. 4, 1169-1173.
  - *Separating invariants for modular  $p$ -groups and groups acting diagonally*, with M. Neusel, Math. Res. Lett. **16** (2009), no.6, 1029-1036.
  - *Constructing modular separating invariants*, J. Algebra **322** (2009), no.11, 4099-4104.
  - *Lexsegment and Gotzmann ideals associated with the diagonal action of  $Z_p$* , Monatsh. Math. **163** (2011), no.2, 197-209.
  - *Explicit separating invariants for cyclic  $P$ -groups*, to appear in J. Combin. Theory Ser. A. **118** (2011), no.2, 681-689.
  - *Two remarks on monomial Gotzmann sets*, with A. F. Pir, to appear in J. Pure Appl. Algebra.
  - *Invariants of the dihedral group  $D_{2p}$  in characteristic two*, with M. Kohls, to appear in Math. Proc. Cambridge Philos. Soc.
- Awards/Grants**
- Sedat Simavi Science Award 2011
  - Young Scientist Award, Turkish Academy of Sciences 2010
  - Tübitak 1001 Research Grant(Principal Investigator): 109T384 2010–2012
  - Tübitak 2224 Travel Grant 2009
  - Bogazici University Research Achievement Award 2007
  - Bogazici University Research Grant:06HB601 2006
  - National Science Foundation Grant Fall 2002, Spring 2000
  - Purdue Research Foundation Grant Summer 1999, 1998

<b>Invited Lectures</b>	•Colloquium, University of Kent, Canterbury, Kent, UK [50 min]	November 2011
	•Canadian Mathematical Society Summer Meeting, Fredericton, Canada [20 min]	June 2010
	•International School on Combinatorics, Sevilla, Spain [50 min]	January 2010
	•Canadian Mathematical Society Summer Meeting, St. John's, Canada [20 min]	June 2009
	•De Brùn Workshop on Computational Algebra, Galway, Ireland [40 min]	July 2008
	•Rhine Workshop on Computer Algebra, Levico Terme, Italy [40 min]	June 2008
	•Commutative Algebra: Connections with Algebraic Topology and Representation Theory, Lincoln, Nebraska [30 min]	May 2008
	•Transformation Groups Conference, Moscow, [20 min]	December 2007
	•Workshop on Combinatorics and Commutative Algebra II, Thessaloniki, [30 min]	August 2007
	•74th Workshop on General Algebra, Tampere, Finland [30 min]	June 2007
	•British Mathematical Society Meeting, Swansea [30 min]	April 2007
	•AMS National Meeting, San Antonio, Texas [20 min]	January 2006
	•Colloquium, Texas Tech University, Lubbock, Texas [50 min]	January 2006
	•National Mathematics Symposium, Istanbul, Turkey [50 min]	September 2005
	•Colloquium, Bilkent University, Ankara, Turkey [50 min]	January 2005
	•Colloquium, University of Kent, Canterbury, Kent [50 min]	February 2004
	•Colloquium, Bogazici University, Istanbul, Turkey [50 min]	May 2003
	•Colloquium, Bilkent University, Ankara, Turkey [50 min]	May 2003
	•Workshop in Invariant Theory, Kingston, Canada [50 min]	April 2002
	•Invariant Theory Workshop, Foljuif, France [1 hour]	June 2001
•Antalya Algebra Days, Antalya, Turkey [30 min]	May 2001	
<b>Professional Activities</b>	•Reviewer for Mathematical Reviews (MR)	
	•Referee for Proc. Amer. Math. Soc, J. Algebra, Comm. Algebra	
	•Member of the Turkish Mathematical Society	

### References

•Professor Luchezar L. Avramov	avramov@math.unl.edu <a href="http://www.math.unl.edu/~avramov">http://www.math.unl.edu/~avramov</a>	Department of Mathematics University of Nebraska Lincoln, NE 68588-0323, USA
•Senior Lecturer R. James Shank	R.J.Shank@kent.ac.uk <a href="http://www.kent.ac.uk/IMS/personal/rjs">http://www.kent.ac.uk/IMS/personal/rjs</a>	Institute of Mathematics and Statistics University of Kent at Canterbury Canterbury, Kent CT2 7NP, UK
•Professor Mara Neusel	Mara.D.Neusel@ttu.edu <a href="http://www.math.ttu.edu/mneusel">http://www.math.ttu.edu/mneusel</a>	Department of Mathematics Texas Tech University Lubbock, TX 70409-1042, USA
•Doctor Rita Saerens	saerens@math.purdue.edu	Department of Mathematics Purdue University West Lafayette, IN 47907-2067, USA