

Curriculum Vitae

Mehmet Cenkei

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Personal Data:

Date of Birth: March 11, 1976

Place of Birth: Denizli, Turkey

Citizenship: Turkish

Gender: Male

Research Interests:

- Analytic Number Theory
- p -adic Analysis, q -analysis
- Special and Generating Functions
- Dedekind Sums
- Modular and Automorphic Forms
- Bernoulli and Related Numbers and Polynomials

Education:

- National Postdoctoral Programme: The Scientific & Technological Research Council of Turkey (TUBITAK), Advisor: Prof. Dr. İ. Naci Cangül (Uludağ University, Turkey), May 2007-December 2007.

- Ph. D. in Mathematics: Department of Mathematics, Akdeniz University, Turkey, Advisor: Prof. Dr. Veli Kurt, October 2006.
- M. Sc. in Mathematics: Department of Mathematics, Akdeniz University, Turkey, Advisor: Prof. Dr. Veli Kurt, June 2001.
- B. S. in Mathematics Education: Department of Mathematics Education (English), Marmara University, Turkey, July 1999.

Appointments:

- Lecturer: Akdeniz University, Department of Mathematics, 2008-2009 Fall (hired).
- Lecturer: Akdeniz University, Department of Mathematics, 2006-2007 and 2007-2008 Summer School (hired).
- Principal Investigator: National Postdoctoral Programme, The Scientific & Technological Research Council of Turkey (TUBITAK), May 2007-December 2007.
- Research and Teaching Assistant: Department of Mathematics, Akdeniz University, Turkey, August 2000-November 2006.

Awards and Grants:

- TUBITAK-UBYT Grant: Co-principle Investigator, supporting the publication “On (i, q) -Bernoulli and Euler Numbers,” July 2008.
- TUBITAK Grant: National Postdoctoral Programme, Principle Investigator, May 2007-December 2007.
- TUBITAK-UBYT Grant: Co-principle Investigator, supporting the publication “Notes On Degenerate Numbers,” September 2007.
- TUBITAK-UBYT Grant: Co-principle Investigator, supporting the publication “Degenerate and Character Dedekind Sums,” June 2007.

- Akdeniz University Grant: #2005.05.0121.051, Principal Investigator, supporting the conference “17th Czech and Slovak International Conference on Number Theory,” Malenovice, Czech Republic, September 2005.
- Prof. Dr. Suphi Artunkal Grant: Co-principle Investigator, for the talk “Comparison of glomerular filtration rate measurements with two plasma sample and single plasma sample, gamma camera gates, creatinine clearance,” 7th International Congress of Nuclear Oncology&18th National Congress of the Turkish Society of Nuclear Medicine, Antalya, Turkey, May 2006.

Reviewer Duties

- Mathematical Reviews
- Discrete Mathematics
- Zentralblatt MATH
- Advanced Studies in Contemporary Mathematics (Kyungshang)
- Abstract and Applied Analysis
- Journal of Integer Sequences

Publications and Preprints:

Theses:

- M. Sc. Thesis: Generalized Dedekind Sums and Bernoulli Polynomials (in Turkish).
- Ph. D. Thesis: p -adic q - L -Function Two Variables (in Turkish).

Publications and Preprints in National and International Journals:

1. **M. Cenkci**, An explicit formula for generalized potential polynomials and its applications, article in press, Discrete Mathematics, 2008, doi:10.1016/j.disc.2008.02.021.

2. **M. Cenkci**, V. Kurt, Congruences for generalized q -Bernoulli polynomials, 2007, Journal of Inequalities and Applications, Article ID 270713, 19 pages, 2008, doi:10.1155/2008/270713.
3. **M. Cenkci**, V. Kurt, S.-H. Rim, Y. Simsek, On (i, q) -Bernoulli and Euler numbers, Applied Mathematics Letters, 21, 706-711, 2008.
4. **M. Cenkci**, F. T. Howard, Notes on degenerate numbers, Discrete Mathematics, 307, 2359-2375, 2007.
5. **M. Cenkci**, The p -adic generalized twisted (h, q) -Euler- l -function and its applications, Advanced Studies in Contemporary Mathematics (Kyungshang), Vol. 15, No.1, 37-47, 2007.
6. A. Dil, V. Kurt, **M. Cenkci**, Algorithms for Bernoulli and allied polynomials, Journal of Integer Sequences, Vol. 10 (2007), Article 07.5.4.
7. **M. Cenkci**, M. Can, V. Kurt, Degenerate and character Dedekind sums, Journal of Number Theory, 124, 346-363, 2007.
8. **M. Cenkci**, Y. Şimşek, V. Kurt, Further remarks on multiple p -adic q - L -function of two variables, Advanced Studies in Contemporary Mathematics (Kyungshang), Vol. 14, No. 1, 49-68, 2007.
9. **M. Cenkci**, M. Can, V. Kurt, q -extensions of Genocchi numbers, Journal of Korean Mathematical Society, Vol. 43, No. 1, 183-198, 2006.
10. **M. Cenkci**, M. Can, Some results on q -analogue of the Lerch zeta function, Advanced Studies in Contemporary Mathematics (Kyungshang), Vol. 12, No. 2, 213-223, 2006.
11. M. Can, **M. Cenkci**, V. Kurt, Generalized Hardy-Berndt sums, Proceedings of the Jangjeon Mathematical Society, Vol. 9, No. 1, 19-38, 2006.
12. M. Can, **M. Cenkci**, V. Kurt, A recurrence relation for Bernoulli numbers, Bulletin of the Korean Mathematical Society, Vol. 42, No. 3, 617-622. 2005.
13. **M. Cenkci**, Strong versions of Kummer-type congruences for Genocchi numbers and polynomials and tangent coefficients, Acta Mathematica Universitatis Ostraviensis, Vol. 13, 3-11, 2005.
14. **M. Cenkci**, M. Can, V. Kurt, p -adic interpolation functions and Kummer-type congruences for q -twisted and q -generalized twisted Euler numbers, Advanced Studies in Contemporary Mathematics (Kyungshang), Vol. 9, No. 2 203-216, 2004.

15. **M. Cenkci**, Recurrence relation for Euler numbers and some identities for Nörlund and Bernoulli numbers of the second kind; Proceedings of the XVth National Mathematical Symposium, 32-41, 2004, Mersin, Turkey.
16. V. Kurt, **M. Cenkci**, A new approach to q -Genocchi numbers and polynomials, submitted.
17. M. Can, **M. Cenkci**, V. Kurt, Y. Şimşek, Twisted Dedekind type sums associated with Barnes' type multiple Frobenius-Euler l -functions, 2008, submitted to International Journal of Number Theory. arXiv:math.NT/0711.0579.
18. **M. Cenkci**, Y. Şimşek, V. Kurt, Multiple two-variable p -adic q - L -function and the behavior of its at $s = 0$, 2006, submitted to Russian Journal of Mathematical Physics.
19. F. Aydın, A. Kın Cengiz, F. Güngör, E. Mahsereci, M. Tuncer, **M. Cenkci**, Comparison of the methods in the determination of glomerular filtration rate: Two plasma sample, single plasma sample, gamma camera-Gates, and creatinine clearance methods, European Journal of Nuclear Medicine and Molecular Imaging, 33, Supplement: Suppl. 2, S113–S113, Meeting Abstract, September 2006.
20. F. Aydın, A. F. Güngör, A. Kın Cengiz, M. Tuncer, E. Mahsereci, **M. Cenkci**, S. Özdem, B. Karayalçın, Comparison of glomerular filtration rate measurements with two plasma sample and single plasma sample, gamma camera gates, creatinine clearance, prediction equation methods in potential kidney donors with normal renal function, Nuclear Medicine Communications, 29 (2), 157-165, 2008.

Teaching Experience:

Courses Taught at Akdeniz University

Lecturer

- Fall 2009: Functional Analysis I, Probability Theory, Introduction to the Theory of Elliptic Functions, Complex Analysis for Physicians (Department of Physics).
- Summer 2008: Real Analysis I, Real Analysis II and Complex Analysis I.
- Summer 2007: Real Analysis I, Real Analysis II and Calculus III.

- Spring 2007: Mathematics (Faculty of Fine Arts, Department of Interior Design).
- Spring 2005: Mathematics (High School of Physical Education).

Teaching Assistant

- Fall 2006: Abstract Mathematics I and Introduction to the Theory of Elliptic Functions.
- Spring 2006: Abstract Mathematics II.
- Fall 2005: Calculus III.
- Spring 2005: Calculus IV and The Theory of Complex Functions II.
- Fall 2004: Abstract Mathematics I and Complex Analysis for Physicists.
- Spring 2004: Abstract Mathematics II and The Theory of Complex Functions II.
- Fall 2003: The Theory of Complex Functions I and Complex Analysis for Physicists.
- Spring 2003: Operational Analysis and Number Theory.
- Fall 2002: The Theory of Complex Functions I.
- Spring 2002: Differential Equations for Chemists.
- Fall 2001: The Theory of Complex Functions I and Fundamentals of Mathematics.
- Spring 2001: The Theory of Complex Functions II and Complex Analysis.

Talks:

1. Generalized Dedekind sums and Bernoulli polynomials, 14th National Mathematics Symposium, September 19-21 2001, Eskişehir, Turkey.
2. Recurrence relation for Euler numbers and some identities for Nörlund and Bernoulli numbers of the second kind, 15th National Mathematics Symposium, September 04-07 2002, Mersin, Turkey.
3. q -analogue of Lerch zeta function, 16th International Conference of Jangjeon Mathematical Society, July 04-06 2005, Antalya, Turkey.

4. Strong versions of Kummer-type congruences for Genocchi numbers and polynomials and tangent coefficients, 17th Czech and Slovak International Conference on Number Theory, September 05-10 2005, Malenovice, Czech Republic.
5. Thesis Defense, Akdeniz University, October 2006.
6. Some closed type formulas for Bernoulli and related numbers, 20th International Conference of Jangjeon Mathematical Society, August 21-23 2008, Bursa, Turkey.

Professional Service:

- Co-organizer of the 16th International Conference of Jangjeon Mathematical Society, July 2005, Antalya, Turkey.
- December 2007–January 2008, Recruit, Turkish Air Force Infantry Training Brigade, Kütahya, Turkey.
- January 2008–May 2008, Air Force Infantry Sergeant, Etimesgut Military Hospital, Archive Section, Ankara, Turkey.

Referees:

- Professor Veli Kurt
Department of Mathematics, Akdeniz University, Antalya, 07058, TURKEY
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- Professor İlham A. Aliev
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- Professor İsmail Naci Cangül
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- Professor Fred T. Howard

Department of Mathematics, Wake Forest University, Winston-Salem, NC 27109, USA

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- Professor Ákos Pintér

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- Professor Matthias Beck

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