CURRICULUM VITAE

PROF. DR. YILMAZ SIMSEK

Current Adresses

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Personal Information

Date of Birth: 25 .10. 1963

Citizenship: Turkey

Education:

Prof. Dr. Akdeniz University (Antalya-Turkey)--.

PhD. Cukurova University (Adana-Turkey)-1993: (Generalized Dedekind and Hardy sums).

M.Sc. Cukurova University (Adana-Turkey)-1990: (Hermityen Matrix Inequalities).

B.Sc. Cukurova University (Adana-Turkey)-1987.

Employment:

Member of Mathematics of the Faculty of Science, University of Akdeniz since 2005.

Teaching

I have taught Mathematics at Cukurova University (1988-1993), Mersin University (1993-2005) and Akdeniz University since 2005. My courses include all undergraduate Mathematics courses, Calculus, Statistics and Probability, Real Analysis, Measure Theory, Complex Analysis.

Courses I taught include graduate Mathematics courses (PhD and Master), Theory of Elliptic Functions, Theory of Modular Forms, Theory of Modular group, Theory of Theta functions, Functional Analysis, Complex Analysis, p-adic Analysis, p-adic L-functions.

Current Research Interests:

- Real and Complex Analysis
- Special Functions
- Fractional Calculus and Its Applications
- Integral Equations and Transforms
- q-Series and q-Analysis

- Analytic Number Theory
- p-adic analysis
- Modular form and Eliptic functions
- Probability and Applications

AWARDS

2003 Mersin University Scientific Certificate of appreciation

2011 the Scientific Award of Akdeniz University

GRANTS:

2003 **Mersin University** Grant

TUBITAK-UBYT Grants 2003-2012

2005-2012 **Akdeniz University** Grants

Master Students

1) Taskın, C., (On relations between Weierstrass P-functions, theta functions and Dedekind sums), Mersin University, 1997.

2) Cetinkaya, Y., (P-adic Hardy sums), Mersin University, 2002.

3) Karlık, E., (Relations between Eisenstein series and Dedekind sums), Mersin University, 2004.

 4) Tepe, N., (q- Bernoulli Polynomials and numbers), Mersin Üniversitesi, 2004.

5) Akgul, F., (Teaching Series to highschool students), Mersin University, 2005.
6) Ozbek, S. S., (Genereting Functions of Bernoulli numbers), Akdeniz University, 2009.
7) Kurt, B., (Hermite Apostol-Bernoulli polynomials), Akdeniz University, 2009.
8) Dere R., (Generating functions of some special polynomials and their applications on umbral algebra), 2011.
9) Ülker Başar, Continue
10) Republic of Congo

PhD Students

1) Ozden H., (On p-adic q-measure and their applications), Akdeniz University and Uludag University, 2009.
2) Agunes A., (Hecke type operators and their applications), 30.11. 2012.
3) Kurt, B., (On multidimensional Hermite base Appell polynomials), 2013.
4) Dere, R., ((q-) Umbral Calculus Sheffer type polynomials and their applications((q-) Umbral Analizde Sheffer Tipli Polinomlar ve Uygulamaları))
5) Cetin, E., (Some Special Finite Sums and their applications(Bazı özel toplamlar ve uygulamaları))), Akdeniz University and Uludag University
6) Özdemir, G.; Continue.
7) Kucukoglu, İ; Continue.

Referee in the International Mathematical Journal

1) Journal of Mathematical Analysis and Applications
2) Journal of Computational and Applied Mathematics

3) Applied Mathematics Letters
4) Computers & Mathematics with Applications
5) Discrete Applied Mathematics
6) International Journal of Mathematics and Mathematical Sciences
7) Journal of Difference Equations and Applications
8) Advances in Difference Equations
9) Acta Arithmetica
10) Glasgow Mathematical Journal
11) Rocky Mountain Journal of Mathematics
12) Journal of the Korean Mathematical Society
13) Abstract and Applied Analysis
14) Journal of Inequalities and Applications
15) International Journal of Computer Mathematics
16) Advanced Studies in Contemporary Mathematics
17) Proceedings of the Jangjeon Mathematics Society
18) Bulletin of the Korean Mathematicial Soceity
19) Hacettepe Journal of Math. and Stat.
20) Bulletin of the Malasian Mathematical Society
21) Integral Transforms and Special Functions
22) Banach Journal of Mathematics(BJM)
23) Discrete Dynamics in Nature and Society
24) Nuerical Analysis and Applied Mathematics (ICNAAM)
25) Indian Journal of Mathematics (IJM)/Bulletin of the Allahaba Mathematical Society (BAMS)
26) African Journal of Mathematics and Computer Science Research (AJMCSR)
27) Selçuk Journal of Applied Mathematics
28) IST Transactions of Applied Mathematics-Modeling and Simulation (AMMS)
29) Journal of Applied Mathematics and Computing
30) Bulletin of Mathematical Analysis and Applications
31) International Journal of Applied Mathematics and Statistics
32) Asian-European Journal of Mathematics (AEJM).
33) Ars Combinatoria
34) NSA Mathematical Sciences USA.
35) British Journal of Math. & Comp. Science
36) Journal of Engineering and Technology Research
37) Mathematical and Computer Modelling
38) Advanced Research in Pure Mathematics
39) Applicable Analysis and Discrete Mathematics
40) Sience Journal of Mathematics and Statistics
41) International Journal of Biomedical Imaging
42) Boletim da Sociedade Paranaense de Matemática
43) Complex Analysis and Operator Theory
44) International Journal of Computer Mathematics
45) Journal of Applied Mathematics and Informatics
46) Journal of Function Spaces and Applications
47) Journal of Integer Sequences
48) Acta Scientiarum Technology
49) Acta Mathematica Sinica, English Series
50) ISRN Combinatorics
51) FILOMAT

52)Journal of Classical Analysis
53)Iranian Journal of Mathematical Sciences and Informatics
54)Tokyo J. of Mathematics
55)Fixed Point Theory and Applications
56)Boundary Value Problems
57)Kyungpook Mathematical Journal
58)Journal of Applied Mathematics and Computing
59)Thai Journal of Mathematics
60) Arab Journal of Mathematical Sciences
61)International Journal of Mathematical Analysis
62)Lithuanian Mathematical Journal
63)Maejo International Journal of Science and Technology

Scientific Membersheep of Conferences

1) Mathematical Sempozyumu (Eylül 2002-Mersin).

2) The International Conference of the Jangjeon Mathematical Society

3) International Workshop on Analysis and Its Application (Eylül 2004-Mersin).
4) International Congress in Honour of Professor Hari M. Srivastava,23-26
     August Bursa- Turkey

Reviewer

1) Reviewer for The Zentralblatt MATH : http://www.emis.de/ZMATH

2) Reviewer for Mathematical Reviews

EDITORIAL BOARD

3) The Scientific World Journal,
   http://www.hindawi.com/journals/tswj/editors/mathematical.analysis/

4) Member of the Editorial Board of **Journal of Intelligent System Research**
   (JISR) ISSN : 0975-6205
   http://www.serialspublications.com/journals1.asp?jid=365&dtype=2&jtype=1

5) Member of the Editorial Board of **Journal of Analysis and Computation**
   ISSN : 0972-2861
   http://www.serialspublications.com/journals1.asp?jid=305&dtype=2&jtype=1

6) Member of the Editorial Board of Proceedings of the Jangjeon Mathematical
   Society(SCOPUS, KCI Journal)

7) Member of the Editorial Board of **IST Transactions of Applied Mathematics-Modeling and Simulation**
http://www.istpress.com/journalInformation/view/AMMS.html

8) Member of the Editorial Board of **IST Transactions of Computer Vision Systems-Theory and Applications**
http://www.istpress.com/journalInformation/view/CVSTA.html

9) Member of the Editorial Board of **Current Computer Science**
http://www.mehtapress.com/journals/current-computer-science.html

10) Member of the Editorial Board of **British Journal of Mathematics & Computer Science** http://www.sciencedomain.org/editorial-board-members.php?id=6

11) Member of the Editorial Board of **Journal of Inequalities and Special Functions**, http://91.187.98.171/ilirias/jiasf/index.html

12) Member of the Editorial Board of **ISRN Combinatorics**
http://www.isrn.com/journals/combinatorics/editors/

13) Member of the Editorial Board of **Selcuk Journal of Applied Mathematics**
http://www.sumam.selcuk.edu.tr/nsjam.htm

14) Guest Editor in Advances in Difference Equations

15) Guest Editor in International Journal of Mathematics and Mathematical Sciences

Visiting professor

D'Every University Department of Mathematics **Paris France 06 June-06 July 2010**
D'Every University Department of Mathematics **Paris France 17 June-17 July 2013**

Participated Erasmus and Mevlana programme

Debrecen University-HUNGARY 05-12 JUNE 2008

Generating functions fort he special numbers and polynoials and their applications
*****

D'Every University Department of Mathematics **Paris France 28 May-5 June 2010**

Date at 15.00-17.00 on 31 May 2010, History of the Generating Functions of Special Numbers

Date at 15.00-17.00 on 01 June 2010, Bernoulli numbers and their generating functions

Date at 10.00-12.00 on 02 June 2010, Interpolation functions of the Bernoulli numbers

Date at 10.00-12.00 on 03 June 2010, Modular forms and applications

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Date at 10.00-12.00 on 04 June 2010, Hecke operators and Dedekind eta functions and applications

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1 DECEMBRIE 1918" UNIVERSITY OF ALBA IULIA-ROMANIA 23-30 October 2013

Date…25 October 2013 On Generating functions of the Bernstein polynomials.

Date…26 October 2013 On interpolation functions of the unification Bernoulli numbers

Date…28 October 2013 Reciprocity Law of Y(h,k) Sums related to Cauchy Residue Theorem

Date…29 October 2013 Recent development on p-adic L-functions.

Date…30 October 2013 On p-adic Masure and their applications

*****

Tomsk State University of Control Systems and Radioelectronic 17-26 May 2014 Tomsk-Russia

18.04.2014 On generating functions of the special numbers and polynomials I
19.04.2014 On generating functions of the special numbers and polynomials I
21.04.2014 On generating functions of the special numbers and polynomials II
22.04.2014 Central Factorial numbers, Stirling Numbers and Array polynomials
23-25.04.2014 On generating function fort he Bernstein olynomials and applications

Participated National Conference

1) III. National Matematik symposium, August 20-24, 1990, Van-Turkey.

2) IV. National Matematik symposium, September 2-6, 1991, Hatay-Turkey.

3) XIII. National Matematik symposium, September 19-23, 1995, Adana-Turkey.

4) X. National Matematik symposium, September 1-5, 1997, Bolu-Turkey.

5) XI. National Matematik symposium, September 7-11, 1998, Isparta-Turkey.

6) XIV. National Matematik symposium, September 19-21, 2001, Eskişehir-Turkey.

7) XV. National Matematik symposium, September 4-7, 2002, Mersin-Turkey.

8) XXIV. National Matematik symposium, September 7-10 Eylül 2011 Uludag University Bursa-Turkey.

9) 34. Turkish National Ear, Nose and Throat and Head Surgery 10-14 October Antalya-Turkey

10) Y. Simsek, Functional equations for generating functions of the Bernstein basis functions**, (26th** National Matematik symposium**)** 26. Ulusal Matematik Sempozyumu 04-07 Eylül 2013 Diyarbakır

11) Y. Simsek, Special Numbers and polynomials associated with the Analytic Functions, 27th National Matematik symposium (27. Ulusal Matematik Sempozyumu (UMS2014)) 26-29 Ağustos 2014 Yeditepe Üniversitesi-Istanbul

Participated International Conference

-

61 Y. Simsek, ''Remarks on Bezier type curvs and their applications to Geology'', 30th International Conference on "Ore Potential of Alkaline, Kimberlite and Carbonatite Magmatism" 29 September-02 October **2014**, HarringtonPark Resort Hotel **Antaya-Turkey**

60- Y. Simsek, ''Remarks on the Beta polynomials'', International Conference on

Advances in Applied Mathematics and Mathematical Physics: 19-21 August **2014**,

Yildiz Technical University **Istanbul-Turkey**

59-Y. Simsek, ''Remarks on combinatorial identities related to special polynomials'',

The 22nd International Conference on Finite or Infinite Dimensional Complex

Analysis and Applications (22nd ICFIDCAA) at Dongguk University 08-11 August

2014 Gyeongju-Korea

58- Y. Simsek, ''A new approach to identities for the Bernstein basis functions and their generating functions'', 2014 NIMS Number Theory and Cryptography Conference, 05-06 August **2014 Daejeon, Korea**

57-Y. Simsek, ''Generating functions on q-Calculus'', The 27th International Conference of The Jangjeon Mathematical Society: p-adic Analysis, Umbral Algebra and Their Applications National Institute for Mathematical Sciences (NIMS) 02-04 August **2014 Daejeon, Korea**

56- Y. Simsek, ''Remarks on the central factorial numbers'', International Congress in Honour of Professor Ravi P. Agarwal June 23-26, **2014**, Uludag University, **Bursa-Turkey**

55- Y. Simsek, **"Remarks on the Beta type polynomials and the Bernstein basis functions"** 8th International Conference Curves and Surfaces June 12-18, **2014 Paris, France**

54- Y. Simsek, Probability Distributions related to the Bernstein Polynomials 9th International Statistics Day Symposium (ISDS2014, İGS2014) 10-14 May, **2014 Side Antalya, TURKEY**

53-Y. Simsek, **"Remarks on the Bernstein basis functions and their applications"** Diophantine Analysis and related fields 2014(DAM2014) Tsukuba University Tsukuba-Japon, 06-08 Marc **2014 Tsukuba-Japon**

52- Y. Simsek, ''Identities for some special polynomials'', Special Polynomials and their applications 06-07/08/**2013 Mysore-India**

51- Y. Simsek, ''Applications on the beta polynomials**'',** 26th International Conference of Jangjeon Mathematical Society 01-04 /08/**2013 Bangalore India**

50- Y. Simsek, Remarks On Eulerian Polynomials and Numbers, 28th Journees Arithmetiques, July 01-05, **2013 Grenobel-France**

49- Y. Simsek, Identities associated with generalized Stirling type numbers and Eulerian type polynomials, 4th International Conference on Mathematical and Computational Applications, June 11-13, **2013 Msnisa, Turkey**

48- Y. Simsek, Remarks on Y(h,k), International Conference on Applied Analysis ans Mathematical Modelling (ICAAMM2013), 02-05 June **2013 Istanbul, Turkey**.

47-Y. Simsek, Remarks on Beta polynomials, 1st International Western Balkan Conference of Mathematical Sciences (IWBCMS), **Elbasan**-**Albania**, May 30 and June 1, 2013.

46-Y. Simsek, PDEs related to generating functions for Bernstein polynomials, Great Plains Operator Theory Symposium, University of California, **Berkely-USA,** 21-25 May 2013

45- Y. Simsek, p-adic q-integral and some family of L-functions and their applications, 2013 AAPT Winter Meeting **New Orleans-USA** 05-09, January 2013**.**

44- Y. Simsek,
   i)   Relations between Eulerina olynomials and Array Polynomials,
   ii) Remarks on the Frobenius-Euler polynomials on the umbral algebra with R. Dere

(http://www.icnaam.org), 10th International Conference of Numerical Analysis and Applied Mathematics **Kos-Greece**, 19-25 September 2012.

43- Y. Simsek
 i) Remarks on unification of the Bernstein type polynomials
ii) Matrix representation of partial Hecke type operators and their applications with A. A. Aygunes
iii) Normalized polynomials and their multiplication formulas with R. Dere
iv) Unified representation of the family of L-functions with H. Ozden
v) On the Generalized Apostol Type Frobenius-Euler Polynomials with. B. Kurt
International Congress in Honour of Professor Hari M. Srivastava,
23-26 August **Bursa- Turkey**.

43- Y. Simsek, Relations between theta-functions and Hardy-Berndt type sums, Building Bridges: 1st US-EU conference on Automorphic Forms and related topics, 30 July-10 August 2012, **Aachen-Germany**.

42- Y. Simsek,
i) Remarks on Hecke type operators
ii) Applications of Umbral Algebra to Some Special Polynomials
25th International Conference of the Jangjeon Mathematical Society (ICJMS 2012), 25-28 July 2012, **Seoul- South Korea**.

41- Y. Simsek, Generating Functions for special polynomials and their applications, 9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, 11-14 July 2012, **Vienna-Austria**.

40- Y. Simsek, On interpolation function of the Bernstein polynomials, International Conference on the Applications of Computer Science and Mathematics in Architecture and Civil Engineering, 4-6 July 2012, **Weimar-Germany**.

39-Y. Simsek, On Generating functions for the Bernstein basis functions and their applications, Eighth International Conference on Mathematical Methods for Curves and Surfaces 28 June-03 July 2012, **Oslo-Norway**.

38- Y. Simsek, Remarks on Eulerian numbers and polynomials, 12th Colloquiumfest on Algebra and Logic and 9th Polish, Slovak and Czech Conference on Number Theory 11–14 June 2012, **Ostrava-Czech Republic**.

37- Y. Simsek, Generating functions for classes of the special polynomials and numbers, International Workshop on number Theory related to Generating functions and their Arithmetic, 19-21 October 2011, Univrsity of Evry **Paris-France**.

36) 8th International Conference of Numerical Analysis and Applied Mathematics ICNAAM2010, 19-25 September 2011, **Hilkidiki- Greece**.

35-Y. Simsek,
i)A note on unification of multiple zeta functions (with A. A. Aygunes)
ii) Bernoulli Type Polynomials on Umbral Algebra (with R. Dere)
iii) On The Hermite Based-Second Kind Genocchi polynomials (with B. Kurt)
The 24 th International Conference of The Jangjeon Mathematical Society 20-23 July 2011, **Konya-TURKEY**.

34-Y. Simsek, A unified approach to deriving identities for Bernoulli, Euler and Bernstein polynomials the 27 th Journées Arithmétiques, 27 June - 1 July 2011, **Vilnius-Lithuania**.

33-Y. Simsek, On generating functions for the Bernstein polynomials, The İnternational Conference on Applied Analysis and algebra (ICAAA2011), 29-30 June and 1-2 July 2011, Yıldız Technical University, Putra University of Malaysia, and Fatih University in **Istanbul-Turkey**.

32- Y. Simsek, Unification of the Bernoulli, Euler and Genocchi numbers and polynomials related to the family of zeta functions, Arctic Number Theory School 18-25 May 2011, **Helsinki-Finland**.

31- Y. Simsek,

i)q-Frobenius-Euler Polynomials Related to the (q−)Bernstein Type Polynomials, with Mehmet Acikgoz, Abdelmejid Bayad and V. Lokesha

ii) Hecke Operators Related to the Generalized Dedekind Eta Functions and Applications, with A. Ahmet Aygunes

8th International Conference of Numerical Analysis and Applied Mathematics ICNAAM2010, 19-25 September 2010, **Rhodes-Greece**.

30- Y. Simsek,

i)Construction a new generating function of Bernstein type polynomials

ii) The action of Hecke operators to families of Weierstrass type functions and Weber type functions and their applications with A. Ahmet Aygunes

ii) Notes on generalization of the Bernoulli type polynomials with

Burak Kurt

iii) Genocchi polynomials associated with the Umbral Algebra with Rahime Dere

International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary at Uludag University, 18-21 August 2010, **Bursa-Turkey**.

29 -Y. Simsek, q-Bernoulli type polynomials of higher order associated with Multiple q-zeta functions, The XIth meeting of the Canadian Number Theory Association at Acadia University, July 11-16, 2010, **Wolfville, Nova Scotia Canada**.

28- Y. Simsek, Interpolation Function of Generalized q-Bernstein type polynomials and their application, Seventh International Conference on Curves and Surfaces, June 24-30, 2010, **Avignon-France**.

27- Y. Simsek, Genocchi type polynomials related to arbitrary positive real parameters and their interpolation function, The 23th International Conference of The Jangjeon Mathematical Society at Shahid Chamran University, February 8-10, 2010, **Ahvaz-Iran**.

26- Y. Simsek, Dedekind-type sums, workshop on Dedekind sums in geometry, topology, and arithmetic, The Banff International Research Station BIRS Scientific Director, October 11 - October 16, 2009, **Nassif Ghoussoub-Canada**. http://www.birs.ca/birspages.php?task=displayevent&event_id=09w5102

25- Y. Simsek, ICNAAM 2009, (http://www.icnaam.org/topics.htm), 7th International Conference of Numerical Analysis and Applied Mathematics, 18-22 September 2009, **Crete-Greece**. AIP Conference Proceedings Volume 1168 http://scitation.aip.org/dbt/dbt.jsp?KEY=APCPCS&Volume=1168&Issue=1

i) Remarks on Interpolation Function of Higher Order (h, q)-Bernoulli Numbers with A. A. Aygunes AIP Conf. Proc. 1168 61 (2009).

ii) Applications of Hecke Operator to Generalized Dedekind Eta Functions with M. Acikgoz, I. N. Cangul, D. Kim AIP Conf. Proc. 1168 568 (2009).

iii) A p-adic Look at the Diophantine Equation x2+112k = yn with I. N. Cangul, G. Soydan, AIP Conf. Proc. 1168 275 (2009).

iv) Hurwitz Type Multiple Genocchi Zeta Function with H. Ozden, I. N. Cangul, AIP Conf. Proc. 1148 781 (2009.

24- Y. Simsek, p-adic q-L-functions**,** The One Day International Workshop on Mathematics and Its Applications to Engineering and Thechnology" at S.J.C. Institute of Technology Chikballapur,17 August 2009, **Karnataka-India**.

23- Y. Simsek, On Dedekind type DC-Sum**,** The 22th International Conference of The Jangjeon Mathematical Society at Adichunchanagiri Institute of Technology Chikmagalur,13-15 August 2009, **Karnataka, India**.

22- Y. Simsek, Multiple Interpolation Functions of Higher Order (h,q)-Bernoulli Numbers, ICNAAM 2008, (http://www.icnaam.org/topics.htm), 6th International Conference of Numerical Analysis and Applied Mathematics **Kos-Greece**, 16-20 September 2008, p. 486-489.

i) Multiple Interpolation Functions of Higher Order (h,q)-Bernoulli Numbers, Yilmaz Simsek AIP Conf. Proc. 1048 486 (2008)

21- Y. Simsek, On p-adic q-Dedekind type sums, The 20th International Conference of The Jangjeon Mathematical Society" at Uludag University, August 21-24, 2008, **Bursa-Turkey**.

20- Y. Simsek, Workshop on p-adic Fourier Analysis, Kangwoon University **Seoul S. Korea**, 2-5 August, 2008.

19-Y. Simsek, p-adic Dedekind and Hardy-Berndt sums related to Volkenborn integral on Z_{p}, The 16th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, Dongguk University, July 28-August 1, 2008, **Gyeongju, S. Korea**.

18- Y. Simsek, Twisted p-adic L-function, Worksop on Modular Forms and Their Applications, Institute for Mathematical Science, **Daejon-S. Korea**, 23-27 July 2008.

17- Y. Simsek, q-Hardy–Berndt type sums associated with q-Genocchi type zeta and q-l-functions, World Congress of Nonlinear Analysts (http://research.fit.edu/ifna/new/wcna2008/first.htm) **"**The International Federation of Nonlinear Analysts (IFNA) WCNA-2008 Hyatt Grand Cypress Resort, July 2-July 9, 2008, **Orlando- USA**.

16- Y. Simsek, On generating functions of the Bernoulli polynomials with applications, The Workshop on Mathematical Methods in Applied Sciences is organized by Uludag University, Faculty of Arts and Science, May 22-23, 2008, **Bursa-Turkey**.

15- Y. Simsek, p-adic q-L-functions, ICTAMI- International Conference on Theory and Applications in Mathematics and Informatics" organized by "1 Decembrie 1918" University of Alba Iulia, "Simion Stoilow" Mathematical Institute of the Romanian Academy, Kinki University and "Alexander the Great" Technological Institute of Thessalonik will be held at "1 Decembrie 1918" University of **Alba Iulia, Romania** on August 30 - September 02, 2007.

14- Y. Simsek, Elliptic analogue of the Hardy sums related to elliptic Bernoulli functions, International Symposium on Complex Function Theory" organized by "Lucian Blaga" University of **Sibiu, Romania** on August 26-29, 2007.

13- Y. Simsek, On generating functions of q-Euler numbers and Polynomials, International Symposium on Geometric Function Theory and application, Kultur University, August 20-24, 2007, **Istanbul, Turkey**.

12- Y. Simsek, Workshop on p-adic analysis and its applications, 16-28 July 2007, **Taegu-South Korea**.

11- Y. Simsek, Remarks on q-Barnes's multiple zeta function and q-Barnes multiple Bernoulli polynomials, The 19th International Conference of The Jangjeon Mathematical Society" at Department of Mathematics, Bangalore University, February 22-24, 2007, **Bangalore, India**.

10- Y. Simsek, Generating function of the twisted q-Bernoulli polynomials and numbers related to their intepolation functions, The 17th International Conference of The Jangjeon Mathematical Society" at Department of Mathematics, Kyungpook National University, July 2-4, 2006, **Taegu, S. Korea**.

9- Y. Simsek, On twisted q-Bernoulli Numbers and twisted q-L-functions, On the 17th International Conference of the Jangjeon Mathematical Society, July 8-9, 2006, **Daegu, South Korea**.

8- Y. Simsek, 2005 Algebraic Geometry-Number Theory Camp, KAIST, Math. Dep., February 1-5, 2005, **Daejeon, South Korea**.

7- Y. Simsek, Workshop on p-adic q- Special Functions and their applications, January 24-February 7, 2005, **Taegu-South Korea**.

6- Y. Simsek, On twisted q-Hurwitz zeta function and q-two-variable L-function, International Semposium On Analytic Function Theory, Fractional Calculus and Their Applications In Honour of Professor H. M. Srivastava on his 65th Birth Anniversary, Victorya University, 22-27 August 2005, **Victorya -Canada**.

5- Y. Simsek, Remarks On Reciprocity Laws of the Dedekind and Hardy Sums, The 16th International Conference of the Jangjeon Mathematical Society Akdeniz University, **, Antalya-Turkey**, July 04-06, 2005, Proceed. Of the 16th International Conference of the Jangjeon Math. Soc. 4-6 July 2005, 148-158.

4- Y. Simsek, On relations between q-Dirichlet L functions, q-Hurwitz zeta function and q-Dedekind sums, International Workshop on Analysis and Its Application, September 2004, **Mersin- Turkey**.

3- Y. Simsek, On Generalized q-Hardy Character Sums, Proceedings of The 15th International Conference of the Jangjeon Mathematical Society, (Hapcheon-Dong, South Korea), (August 05-07, 2004), PP. 7-23. "On Generalized q-Hardy Character Sums", Proceedings of The 15th International Conference of the Jangjeon Mathematical Society, **Hapcheon-Dong, South Korea**, August 05-07, 2004, pp. 7-23.

2- Y. Simsek, On normalized Eisenstein series and new theta functions, The Proceedings of the 14th International Conference of the Jangjeon Mathematical Society, December 2003-**Maysore- India** (2003). Proceed. Jangjeon Math. Soc. 8(1) (2005), 25-34.

1- Y. Simsek, Theorems on Weierstrass P(z) Function Hardy sums and Eisenstein series, International Mathematical Conference VI.th Bogolubov Readings, Agust 26-30, (2003), pp. 300, **Kiev-Ukrania**.

BOOK CHAPTER

Analytic Theory, Approximation Theory, and Special Functions, Springer
January-2014 XXII 800P. 23 illus., 8illus, in color (Editörs Milovanovic, Gradimir V.; Rassias, Michael Th.)
http://www.springer.com/mathematics/numbers/book/978-1-4939-0257-6?otherVersion=978-1-4939-0258-3#

Papers in Lecture Notes in Computer Science Springer

1) Y. Simsek, Deriving Novel Formulas and Identities for the Bernstein Basis Functions and Their Generating Functions, M. Floater et al. (Eds.): MMCS 2012, LNCS 8177, pp. 471–490, 2014. Lecture Notes in Computer Science 8177, *Springer, Heidelberg,* 2014. http://link.springer.com/search?facet-series="558"&facet-content-type="Book" Editor: Marie-Laurence Mazure, Larry Schumaker, Tom Lyche

2) Interpolation function of generalized q-Bernstein-type basis polynomials and applications. *Curves and surfaces,* 647–662, Lecture Notes in Computer

[Science, 6920,](http://link.springer.com/chapter/10.1007/978-3-642-27413-8_43) *Springer, Heidelberg,* 2012. http://link.springer.com/chapter/10.1007/978-3-642-27413-8_43. Editor: Marie-Laurence Mazure, Larry Schumaker, Tom Lyche

PUBLICATION PAPERS IN SCI JOURNALS

1. Y. Simsek, Generalization of q-Apostol-type Eulerian numbers and polynomials, and their interpolation functions, Advanced Studies in Contemporary Mathematics, (**2015**).
2. Y. Simsek, The families of L-series associated with decompostion of the generating functions to appear Filomat (**2015**) (with M. Alkan).
3. Y. Simsek, Matrix representation for the beta type polynomials to appear in Applied Mathematics & Information Sciences (**2015**).
4. Y. Simsek, Combinatorial Identities associated with Bernstein type basis functions to appear Filomat (**2015**).
5. Y. Simsek, A Sequence of Modular Forms Associated with Higher-Order Derivatives of Weierstrass-Type Functions to appear Filomat (**2015**) (with A. A. Aygunes and H. M. Srivastava).
6. Y. Simsek and M. Gunay , On Bernstein type polynomials and their Applications, *Advances in Difference Equations* (**2015**) 2015:79 DOI 10.1186/s13662-015-0423-9
7. Y. Simsek, Beta-type polynomials and their generating functions, Applied Mathematics and Computation 254 (**2015**) 172–182
8. Y. Simsek, Hermite Base Bernoulli Type Polynomials on the Umbral Algebra**,** Russian Journal of Mathematical Physics, 22(1) (**2015**),1–5.
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25. Y. Simsek, Generating function for q-Eulerian polynomials and their decomposition and applications *Fixed Point Theory and Applications* 2013, 2013:72 doi:10.1186/1687-1812-2013-72 (with. M. Alkan)
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38. Y Simsek Frobenius-Euler Type Polynomials Related to Hermite-Bernoulli Polynomials, Analysis and Applied Math. AIP Conf. Proc. 1389 (2011), 385-388 (with B. Kurt).

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SEMINARS-LECTURES

1) "Generating Functions For The Bernstein Type Polynomials And Their Applications" **University of Pittsburgh-USA**, 11 January 2013.
2) Look at the history of numbers and the mystery of Bernoulli Numbers Conference at Adıyaman University **Adıyman-Turkey**, at 28 December, 2009.
3) On Generalized Hardy Sums at Akdeniz University **Antalya** 2009.
4) Twisted p-adic l-functions, Visiting Research at National Institute for Mathematical Sciences **Daejon, S. Korea** on July 24-27, 2008.
5) Applications of q-Calculus at Akdeniz University **Antalya-Turkey** 2008.
6) Seminars on "p-adic Fourier Analysis" at Kwangwoon University **Seoul, S. Korea** on August 02-06, 2008.
   a) On p-adic two variable l-function
   b) On fourier series of the Euler function
7) Bernoulli numbers and polynomials and their applications, Special Lecture at University of **Mysore-India** on February 2, 2007.
8) q-Bernoulli numbers and polynomials associated with q-Riemann zeta functions and q-Dirichlet l-functions, Special Lecture at Woosuk University **Jeonbuk**- **S.Korea** on 5 July, 2006.
9) Seminars on Special Numbers at Debrecen University **Hungary** on 6-12 May 2006.
10) Transformation of four Titchmarsh-type infinite integrals and generalized Dedekind sums associated with Lambert series, Special Lecture with Professor S. Yang at Sutherland Avenue North Vancouver CCCS&CECM, **Canada** on August 23, 2005.
11) Seminars on "p-adic Hardy Sums, p-adic Dedekind sums and related areas" at Kongju National University **Kongju, S. Korea** on 14-07, 2004 and 14-08-2004.
12) Historical Dedekind sums and related some properties, Special Lecture at at Kongju National University **Kongju, S. Korea** on 26-07, 2004.
13) Reciprocity law of Dedekind and Hardy sums, Special Lecture at KAIST (Korean Advenced Institute of Science and Technology) **Daejon, S. Korea** on 22-07, 2004.
14) Hardy sums, Special Lecture at Kyungpook National University, **S. Korea** on 12-08, 2004.
15) q-Carlitz Bernoulli Numbers, Mersin University Mersin-Turkey 2004.
16) Twisted Bernoulli Numbers, Mersin University Mersin-Turkey 2003.
17) On Generalized Dedekind sums, Mersin University Mersin-Turkey 2002.
18) Analytic continuation of q-Riemann zeta function, Mersin University Mersin-Turkey 2001.
19) Twisted Euler numbers, Mersin University Mersin-Turkey 2000.
20) On Hecke operator, Mersin University Mersin-Turkey 1994.
21) Hermitian Matrix Inequalities, Cukurova University Adana-Turkey 1989.

SPECIAL SEMINARS 2008 with YILMAZ SIMSEK , TAEKYUN KIM, VELİ KURT, ISMAIL NACI CANGUL and HACER OZDEN at AKDENİZ UNIVERSITY ANTALYA TURKEY:

1) Y. Simsek, *Interpolations functions of the (h,q)-Euler numbers,* 23-01-2008, 10.00-11.00.
2) V. Kurt, *On Genocchi numbers and Polynomials*, 24-01-2008, 10.00-12.00.

3) T. Kim, *Lebesque-Radon Nikodym theorem related to p-adic measure,* 24-01-2008, 14.00-16.00.
4) I. N. Cangul, *q- Quantum Calculus*, 25-01-2008, 10.00-11.00.
5) Y. Simsek, *On (h,q)-l-function*, 25-01-2008,14.00-15.00.
6) T. Kim, *p-adic Kernel integral related to Feyman integral,*26-01-2008,10.00-11.00.
7) T. Kim, *On fermionic p-adic q-integrals*, 26-01-2008, 14.00-15.00.
8) T. Kim, *Applications of the fermionic p-adic q-integrals*, 28-01-2008, 10.00-11.00.
9) T. Kim, *On p-adic q-L functions related to the Volkenborn Integal*, 29-01-2008, 14.00-15.00.
10) T. Kim, *On open problems*, 30-02-2008, 10.00-11.00 and 14.00-15.00.
11) H. Ozden, *On p-adic q-measure*, 31-02-2008, 10.00-11.00.

SPECIAL SEMINARS 2007 with YILMAZ SIMSEK , TAEKYUN KIM, VELI KURT, ISMAIL NACI CANGUL and HACER OZDEN at AKDENİZ UNIVERSITY ANTALYA TURKEY:

12) Y. Simsek, *p-adic q-zeta functions and L-functions(p-adic q zeta functions and L-functions)* 26-01-2007, 10.00-11.00.
13) V. Kurt, *On poli q-Genocchi numbers*, 27-01-2007, 14.00-15.00.
14) T. Kim, *On p-adic numbers and functions,* 29-01-2007, 10.00-11.00 and 14.00-13.00.
15) Y. Simsek, *On twisted p-adic Dedekind Sums*, 30-01-2006, 14.00-15.00.
16) T. Kim, *p-adic q-Deform Volkenborn Integral and q- Changhee numbers and Functions*, 31-01-2007, 10.00-11.00.
17) T. Kim, *Generating functions of the q- Daehee numbers and polynomials*, 01-02-2006, 14.00-15.00.
18) V. Kurt, On Dedekind sums,02-02-2007, 10.00-11.00.
19) T. Kim, *On p-adic fermionic q-Volkenborn Integal and its applications*, 02-02-2007, 14.00-15.00.
20) T. Kim, *p-adic Laplace Transform and their applications*, 03-02-2007, 10.00-11.00 ve 14.00-15.00.
21) M. Cenkci, *p-adic deformed integral*, 04-02-2007, saat 10.00-11.00.
22) M. Can, *p-adic Hardy Sums,* 04-02-2007, 14.00-15.00.

SPECIAL SEMINARS 2006 with YILMAZ SIMSEK , TAEKYUN KIM, VELİ KURT, ISMAIL NACI CANGUL and HACER OZDEN at AKDENİZ UNIVERSITY ANTALYA TURKEY:

23) Y. Simsek, *q-Dedekind type sums related to q-zeta functions,* 23-01-2006, 10.00-11.00.
24) V. Kurt, *On high dimension of Bernoulli numbers*, 23-01-2006, 14.00-15.00.
25) T. Kim, *On p-adic numbers and functions,* 24-01-2006, 10.00-11.00 and 14.00-13.00.
26) N. Unal, *Relations between p-adic q-numbers and Quantum Groups*, 25-01-2006, 10.00-11.00.
27) Y. Simsek, On twisted Euler numbers and twisted l-series, 25-01-2006, 14.00-15.00.

28) T. Kim, On Multiple p-adic q- Changhee numbers and Functions,26-01-2006, 10.00-11.00.

29) T. Kim, On Multiple p-adic q- Daehee numbers and Functions,26-01-2006, 14.00-15.00.

30) V. Kurt, On q-Genocchi numbers and q-Genocchi functions, 27-01-2006, 10.00-11.00.

31) T. Kim, On p-adic q-Volkenborn Integal, 27-01-2006, 14.00-15.00.

32) T. Kim, Generating Functions of Special Functions, 01-02-2006, 10.00-11.00 and 14.00-15.00

SPECIAL SEMINARS 2006 with YILMAZ SIMSEK , AKOS PINTER, VELI KURT, ISMAIL NACI CANGUL, MEHMET CENKCI, MUMIN CAN and HACER OZDEN at AKDENİZ UNIVERSITY ANTALYA TURKEY:

33)   Y. Simsek (Akdeniz University-Antalya TURKEY), *Generating Functions of the q-Bernoulli Numbers* 04-07-2007, 10.00-11.00.

34)   V. Kurt (Akdeniz University-TURKEY), *On Euler and Bernoulli numbers and Polynomials*, 05-07-2007, 10.00-11.00.

35)   Akos Pinter (Debrecen University-HUNGARY), Diophantine equations and Bernoulli polynomials*, 06-07-2007, 10.00-11.00 and 14.00-15.00.

36)   M. Cenkci (Akdeniz University-TURKEY), *Interpolation function of Euller Numbers*, 07-07-2007, 10.00-11.00.

37)   Y. Simsek (Akdeniz University-TURKEY), *On q-twisted Euler numbers*, 08-07-2007, 10.00-11.00.

38)   A. Pinter (Debrecen University-HUNGARY), *Generating functions of the incomplete Fibonacci and Lucas numbers*,09-07-2007, 10.00-11.00.

39)   A. Pinter (Debrecen University-HUNGARY), *Almost perfect powers in products of consecutive integers*,11-07-2007, 10.00-11.00.

40)   V. Kurt (Akdeniz University-Bursa TURKEY), *On q-Genocchi polynomials*, 12-07-2007, 10.00-11.00.

41)   H. Ozden (Uludag University-Bursa TURKEY), *Relation between generating function of the Bernoulli numbers and p-adic q-Volkenborn Integal*, 13-07-2007, 10.00-11.00.

42)   M. Can (Akdeniz University-TURKEY), *Generating Functions of Special Functions and Their applications*, 14-07-2007, 10.00-11.00.

43)   I. N. Cangul (Uludag University-Bursa TURKEY), *On Elliptic Curves*, 15-07-2007, 10.00-11.00.

WORKSHOP

1) p-Adic q-Analysis and Its Applications at Akdeniz University, **Antalya-TURKEY**, between 23-01-2008 and 01-02-2008.

2) On p-adic analysis and its applications at Kyungpook National University**, S. KOREA** on 16-28 July 2008.

3) Mathematical methods in applied sciences at Uludag University **Bursa-TURKEY** on May 22-23, 2008.

4) On p-adic analysis and its applications at Kyungpook National University, **S. KOREA** on 16-28 July 2007.

5) p-adic q-special functions at Kyungpook National University 24-01-2005 and 07-02-2005, **S. KOREA**.

6) 2005 Algebraic geometry-number theory camp at Kaist on 1-5 February 2005, **Daejon-S. KOREA**.

7) On p-adic analysis and q-special functions, 11-14 July 2005 Uludag University, **Bursa-TURKEY**.

8) p-adic measure, p-adic integral and p-adic dirichlet series, Kongju National University Kongju, **S. KOREA** on 26-30 July 2004.

9) Analysis ant its applications at Mersin University - **TURKEY**, 1-5 September 2004.

10) Modular forms at Mersin University, **TURKEY**, 1-20 July 2001.