

**Prof. Dr. N. Nuray Ulusu**



**Personal Nationality:** T.C.

**Information Date of Birth:** March 28, 1963

Place of Birth: Ankara, TURKEY

**Present position:** Professor of Biochemistry

Koç University School of Medicine

**Phone:**

Work : + 90 (212) 338 11 60

Fax : +90 (212) 338 11 68

GSM : + 90 (533) 417 93 69

**E-mail:** [nulusu@ku.edu.tr](mailto:nulusu@ku.edu.tr)

[nurayulusu@yahoo.com](mailto:nurayulusu@yahoo.com)

**Contact information:** Koç University School of Medicine, Rumelifeneri Yolu Sarıyer, 34450, Turkey.

**EXPERTISE & RESEARCH INTEREST:**

Enzyme purification and characterization; enzyme kinetics; the factors effecting enzyme activity, inhibitors such as various metals, various natural substances, drugs; oxidative stress; diabetes; aging; and biochemistry education.

**Education:**

<b>Master of Science</b>	09 / 10 / 1987	23 / 02 / 1990
<b>Doctorate</b>	15 / 10 / 1990	25 / 09 / 1996
<b>Assistant Professor</b>	07 / 01 / 2000	24 / 09 / 2003
<b>Associate Professor</b>	19 / 03 / 2003	
<b>Professor of Hacettepe University Faculty of Medicine</b>	February, 2010- 1 November 2013	
<b>Professor of Koç University School of Medicine</b>	1 November 2013- present	

**MASTERS, DOCTORATE AND THESIS****Doctorate Thesis**

Purification of glucose-6-phosphate dehydrogenase from bovine lens and kinetic and molecular properties

**Master of Science Thesis**

Purification of glutathione-S-transferase from human placenta and some properties

## **Professional Experience**

### **1.11.2013-Present**

Koç University School of Medicine

### **1987- 31.10.2013**

Hacettepe University, Faculty of Medicine

### **2011-2012**

Near East University, Faculty of Medicine, Nicosia, Cyprus (Lecturer assignments for short periods for several times during the education year)

### **2010-2012**

Near East University, Department of Nutrition and Dietetics, Nicosia, Cyprus (Lecturer assignments for short periods for several times during the education year)

### **2000-2010**

Hacettepe University, Faculty of Dentistry (Lecturer).

### **1996-2003**

Hacettepe University, Vocational School of Health Sciences; Medical Laboratory Techniques  
Medical Laboratory (Lecturer)

**Professional Memberships:**

Turkish Biochemical Society

Serbest Radikaller ve Antioksidanlar Arařtırma Derneęi (SRAAD)

The Protein Society

Alzheimer Association

International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)

Federation of European Biochemical Societies (FEBS)

Balkan Clinical Laboratory Federation (BCLF)

The European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)

The International Union of Biochemistry and Molecular Biology (IUBMB)

American Association for Clinical Chemistry (AACC)

Protein Society

## Publications

1. **Ulusu NN.** Possible mechanisms of transmissible cancers in Tasmanian devils. T J Biochem (accepted)
2. Samadi A, Khademansari, MH, **Ulusu NN.** Effects of Alprazolam and Haloperidol on Thyroglobulin, Antithyroglobulin, Anti Thyroid peroxidase and TSH. T J Biochem (accepted)
3. Evlice A, **Ulusu NN.** Glucose-6-phosphate dehydrogenase a novel hope on a blood-based diagnosis of Alzheimer's disease. Acta Neurol Belg (2017) 117:229–234.
4. Erbayraktar Z, Evlice A, Yılmaz G, Yazıcı C, Yener G, Ulusu NN. Renal Function in Alzheimer`s Disease and Geriatric patients: Results From A Turkish Two-Centre Study. J. Med. Biochem. 36, 1, 54-61, 2017.
5. **Ulusu NN.** Cornerstones of biochemistry in stamps. Turkish Journal of Biochemistry. Volume 41 Issue 541 (5): 373–376, 2016.
6. Erten-İşeri ÖS, Dikmen ZG, **Ulusu NN.** Comparison of spectrophotometric and fluorimetric methods in evaluation of biotinidase deficiency. J. Med. Biochem 35: 2 123- 129, 2016.
7. Gok M, **Ulusu NN,** Tarhan N, Tufan C, Ozansoy G, Arı N, Karasu C. Flax seed protects against glucotoxicity: Amelioration of pentose phosphate pathway and glutathione-dependent enzyme activities in the brain, lung, pancreas and eye-lens of STZ-diabetic rats. J Diet Suppl. 13(3):339-51 2016.
8. **Ulusu NN,** Yılmaz G, Erbayraktar Z, Evlice A, Aras S, Yener G, Avcı A. Turkish Three-Centre Study Evaluation of Serum Folic Acid and Vitamin B12 Levels in Alzheimer`s Disease. Turk J Med Sci 45: 5 Special Issue: 1159-1166, 2015.

9. **Ulusu NN.** Glucose-6-phosphate dehydrogenase deficiency and Alzheimer's disease: Partners in crime? The hypothesis. *Med Hypotheses*. Aug; 11;85(2) 219-223, 2015.
10. **Ulusu NN.** Curious Cases of the Enzymes. *J Med Biochem* 2015; 34 (3) 271-281, 2015.
11. **Ulusu NN,** Yılmaz G, Erbayraktar Z, Evlice A, Genç M, Aras S, Avcı A, Yener G. A Comparative Study on Thyroid Function in Alzheimer's Disease: Results From a Turkish Multi-Centre Study. *Journal of J Neurol Sci Turk*, 32(2): 335-47, 2015.
12. **Ulusu NN.** Evolution of Enzyme Kinetic Mechanisms. *Journal of Molecular Evolution*. Jun; 80 (5-6): 251-7, 2015.
13. Gokturk H, **Ulusu NN,** Gok M, Tuncay E, Can B, Turan B. Long-term treatment with a beta-blocker timolol attenuates renal-damage in diabetic rats via enhancing kidney antioxidant defense system. *Molecular and Cellular Biochemistry Mol Cell Biochem*. Volume 395, Issue 1-2, pp 177-186, 2014.
14. Tandogan B, Guvenc A, Calis I, **Ulusu NN.** In vitro effects of isoorientin, forstoside B and verbascoside on bovine kidney cortex glutathione reductase. *International Journal of Chemical Kinetics (KIN)*. Volume 45, Issue 9, pages 574–579, September, 2013.
15. **Ulusu NN,** Şengezer C. Kinetic mechanism and some properties of glucose-6-phosphate dehydrogenase from sheep brain cortex. *Turkish Journal of Biochemistry*. 37 (4), 340-347, 2012.
16. **Ulusu NN.** Current Publishing System. *Turkish Journal of Biochemistry* 37 (2), pp. 215-216, 2012.
17. Tandogan B, Güvenç A, Çalış I, **Ulusu NN.** In vitro effects of compounds isolated from *Sideritis brevibracteata* on bovine kidney cortex glutathione reductase. *Acta Biochim Pol*;58 (4):471-5, 2011.

18. Tandogan B, Sengezer C, **Ulusu NN.** In Vitro Effects of Imatinib on Glucose-6-phosphate Dehydrogenase and Glutathione Reductase. *Folia Biologica*, Vol: 57 2 57-64, 2011.
19. Tandogan B, Kuruuzum-Uz A, Sengezer C, Güvenalp Z, Demirezer LO, **Ulusu NN.** In vitro effects of rosmarinic acid on glutathione reductase and glucose 6-phosphate dehydrogenase. *Pharm Biol. Jun*; 49(6):587-94, 2011.
20. Karaman K, Tirnaksiz MB, **Ulusu N.** Dincer N, Sener B, Gulmez D, Tandogan B, Sokmensuer C, Sayek I Effects of dexamethasone on ischemia reperfusion injury following pringle maneuver. *Hepatogastroenterology. Mar-Apr*;58(106):465-71, 2011.
21. Tandogan B, **Ulusu NN.** A comparative study with colchicine on glutathione reductase. *Protein J. Jul*; 29(5):380-5, 2010.
22. Tandogan B, **Ulusu NN.** Purification and kinetics of bovine kidney cortex glutathione reductase *Protein peptide letter. May*; 17(5):667-74. 2010.
23. Tandogan B, **Ulusu NN.** Inhibition of purified bovine liver glutathione reductase with some metal ions *Journal of Enzyme Inhibition and Medicinal Chemistry* 25: 1 68-73 FEB, 2010.
24. Tandogan B, **Ulusu NN.** Comparative in vitro effects of some metal ions on bovine kidney cortex glutathione reductase. *Prep Biochem Biotechnol. Oct*;40(4):405-11, 2010.
25. Ozdemir S, Tandogan B, **Ulusu NN,** Turan B. Angiotensin II Receptor Blockage Prevents Diabetes-Induced Oxidative Damage in Rat Heart. *Folia Biologica* 55: 1 11-16, 2009.
26. **Ulusu NN,** Tandogan B, Türkoğlu MA, Demirer S. Is it useful to determine glutathione peroxidase and thioredoxin reductase activities for comparisons of malign and benign breast diseases? *Turkish Journal of Biochemistry.* 34: 3 187-194 2009.

27. **Ulusu NN.** Possible effect of calcium in the formation of stress granules. Stres granülleri oluşumunda kalsiyumun olası rolü. Turkish Journal of Biochemistry. 34 (1); 51–52. 2009.
28. Yalovaç A, **Ulusu NN.** Collagen and Collagen Disorders, FABAD J. Pharm. Sci., 32, (3)139-144, 2007.
29. Şengezer C, **Ulusu NN.** Three different purification protocols in purification of G6PD from sheep brain cortex. Glukoz-6-Fosfat dehidrogenazın üç farklı yöntemle beyin korteksinden saflaştırılması FABAD J. Pharm. Sci. 32(2) 65-72, 2007.
30. Tuncay E, Seymen AA, Tanriverdi E, Yaras N, Tandogan B, **Ulusu NN,** Turan B. Gender related differential effects of Omega-3E treatment on diabetes-induced left ventricular dysfunction. Mol Cell Biochem. Oct;304(1–2):255–63, 2007.
31. Guz G, Oz E, Lortlar N, **Ulusu NN,** Nurlu N, Demirogullari B, Omeroglu S, Sert S, Karasu C. The effect of taurine on renal ischemia/reperfusion injury. Amino Acids. Sep 29, 2007.
32. **Ulusu NN,** Tandogan B. Purification and kinetic properties of glutathione reductase from bovine liver. Mol Cell Biochem. Sep; 303(1–2):45–51, 2007.
33. **Ulusu NN,** Tandogan B, Tanyel FC. Sarco(endo)plasmic reticulum and plasmalemmal Ca(2+)-ATPase activities in cremaster muscles and sacs differ according to the associated inguinal pathology. Cell Biochem Funct. Sep-Oct; 25(5):515–9, 2007.
34. Tandogan B, **Ulusu NN.** The inhibition kinetics of yeast glutathione reductase by some metal ions. J Enzyme Inhib Med Chem. Aug;22(4):489–95, 2007.
35. Guz G, Demirogullari B, **Ulusu NN,** Dogu C, Demirtola A, Kavutcu M, Omeroglu S, Stefek M, Karasu C. Stobadine protects rat kidney against ischaemia/reperfusion injury. Clin Exp Pharmacol Physiol. Mar; 34(3):210–6, 2007.



36. Demirer S, **Ulusu NN**, Aslim B, Kepenekci I, Ulusoy C, Andrieu MN, Erkek B, Aydıntuğ S. Protective effects of *Lactobacillus delbrueckii* subsp *bulgaricus* B3 on intestinal enzyme activities after abdominal irradiation in rats. *Nutrition Research* 27 (5), pp. 300-305, 2007.
37. **Ulusu NN**, Tandogan B Purification and kinetics of sheep kidney cortex glucose-6-phosphate dehydrogenase. *Comp Biochem Physiol B Biochem Mol Biol*. Jan 6 2006.
38. Tandogan B, **Ulusu NN**. Effects of cadmium and zinc ions on purified lamb kidney cortex glucose-6-phosphate dehydrogenase activity. *J Enzyme Inhib Med Chem*. Apr; 21(2):225–30, 2006.
39. Tandogan B, **Ulusu NN**. Kinetic mechanism and molecular properties of glutathione reductase *FABAD Volume* 31(4), 230-237, 2006.
40. Tandogan B, **Ulusu NN**. Calcium Binding proteins. *Turkish Journal of Biochemistry*. 31 (1) 36–40, 2006.
41. **Ulusu NN**, Tandogan B, Tezcan EF. Kinetic properties of glucose-6-phosphate dehydrogenase from lamb kidney cortex. *Biochimie*, Vol 87/2 pp 187-190 2005.
42. **Ulusu NN**, Turan B. Beneficial effects of selenium on some enzymes of diabetic heart. *Biological Trace Element Research*. Mar;103(3):207-16, 2005.
43. Can B, **Ulusu NN**, Kılınç K, Açıkan NL, Saran Y, Turan B. Selenium treatment protects diabetes-induced biochemical and ultrastructural alterations in liver tissue. *Biological Trace Element Research*. Volume 105 No 1-3 Summer, 2005.
44. **Ulusu NN**, Ozbey G, Tandogan B, Gunes A, Durakoglugil DB, Karasu C, Uluoglu C, Zengin H. Circadian variations in the activities of 6-phosphogluconate dehydrogenase and glucose-6-phosphate dehydrogenase in the liver of control and streptozotocin-induced diabetic rats. *Chronobiol International*. 22(4): 667–77, 2005.
45. Tandogan B, **Ulusu NN**. Importance of Calcium *Turk J. Med Sci* 35 197–201, 2005.

46. Tandogan B, **Ulusu NN**. Characterisation of glucose-6-phosphate dehydrogenase purified from lamb kidney cortex. *Turkish Journal of Biochemistry*. 30 (2) 178–182, 2005.
47. Tandogan B, **Ulusu NN**. Glucose-6-phosphate dehydrogenase: molecular and clinical importance. *Hacettepe Tıp Dergisi* 36: 1, Mart 2005.
48. Evcimen ND, **Ulusu NN**, Karasu C, Dogru B. Adenosine triphosphatase activity of streptozotocin-induced diabetic rat brain microsomes. Effect of vitamin E. *General physiology and biophysics* 23 (3): 347–355 Sep 2004.
49. Akbay E, **Ulusu NN**, Toruner F, Ayvaz G, Taneri F, Akturk M, Arslan M, Karasu Ç. Effects of rosiglitazone treatment on the pentose phosphate pathway and glutathione dependent enzymes in liver and kidney of rats fed a high fat diet. *Current Therapeutic Research*, Volume 65 No 1 January/ February 79–89, 2004.
50. **Ulusu NN**, Açıan NL, Turan B, Tezcan EF. Inhibition of glutathione reductase by cadmium ion in some rabbit tissues and protective role of dietary selenium. *Biol. Trace. Elem. Res.* Feb 91 (2) 151–6, 2003.
51. Tanyel FC, **Ulusu NN**, Tezcan EF, Büyükpamukcu N. Total calcium content of sacs associated with inguinal hernia, hydrocele or undescended testis reflects differences by programmed cell death. *Urologia Internationalis*, 70: 211-215, 2003.
52. Pekiner B, Das-Evcimen N, **Ulusu NN**, Bali M, Ç Karasu. Effects of vitamin E on microsomal Ca<sup>2+</sup>-ATPase activity and calcium levels in streptozin-diabetic rat kidney. *Cell Biochemistry and Function* Jun 21 (2) 177–82, 2003.
53. **Ulusu NN**, Sahilli M, Canbolat O, Ozanasoy G, Arı N, Ballı M, Stefek M, Stolc S, Gajdosik A, Karasu Ç. Pentose phosphate pathway, glutathione related enzymes and other antioxidant systems during oxidative stress in diabetic rodent brain and peripheral organs: Preventive effects of stobadine and vitamin E. *Neurochemical Research*, Jun 28 (6) 815-23, 2003.

54. Tandogan B, **Ulusu NN**. 6-Phosphogluconate dehydrogenase: Molecular and kinetic properties. Turkish Journal of Biochemistry (4) 268–273, 2003.
55. Pekiner B, **Ulusu NN**, Das-Evcimen N, Sahilli M, Aktan F, Stefek M, Stolc S, Karasu Ç. Stobadin inhibits lipid peroxidation protein glycation and calcium overload but does not ameliorate Ca<sup>2+</sup>-ATPase activity in heart and liver of streptozin-diabetic rats: Comparison with vitamin E. Biochim. Biophys. Acta. Volume 1588 Issue 1, 9 October pages 71–78, 2002.
56. **Ulusu NN**, Ercil D, Sakar MK, Tezcan EF. Abietic Acid Inhibits Lipoygenase Activity. Phytotherapy Research, 16, 88-90, 2002.
57. **Ulusu NN**, Açan NL, Turan B, Tezcan EF. Effect of cadmium ion on glutathione reductase and glutathione peroxidase activity of rat liver and the relationship with dietary selenium. Türk Biyokimya Dergisi 27, 2 43–46, 2002.
58. Tanyel FC, **Ulusu NN**, Tezcan EF, Büyükpamukcu N. Less calcium in cremaster muscles of boys with undescended testis supports a deficiency in sympathetic innervation. Urologia Internationalis, 69:111-115, 2002.
59. Ercil D, **Ulusu NN**, Sakar MK. The inhibitory effect of intermedeol on soybean lipoygenase and its cytotoxicity. Türk Biyokimya Dergisi 26, 2 76–79, 2001.
60. Turan B, Açan NL, **Ulusu NN**, Tezcan EF. A comparative study on effect of dietary selenium and vitamin e on some antioxidant enzyme activities of liver and brain tissues. Biological Trace Element Research, Aug 81, (2): 141-152, 2001.
61. **Ulusu NN**, Tezcan EF. Cold Shock Proteins. Turkish Journal of Medical Sciences 31 283–290, 2001.
62. **Ulusu NN**, Açan NL, Turan B, Tezcan EF. The effect of selenium on glutathione redox cycle enzymes of some rabbit tissues. Trace Elements and Electrolytes, 17, 25-29, 2000.

63. **Ulusu NN**, Kuş MS, Açan NL, Tezcan EF. A rapid method for the purification of glucose-6-phosphate dehydrogenase from bovine lens. *The International Journal of Biochemistry and Cell Biology*, 31, 787-796, 1999.
64. Sakar MK, Ercil D, **Ulusu NN**, Tamer AU, Şahin N, Tezcan EF. Antimicrobial activities of *Abies nordmanniana* ssp. *bornmuelleriana* extracts and their inhibitory effects on 5-lipoxygenase. *Hacettepe University Journal of Faculty of Pharmacy* 18 (2): 57–61 1998.
65. **Ulusu NN**, Kuş MS, Tezcan EF. ‘Glucose-6-phosphate dehydrogenase: Molecular and kinetic properties’ *Glucose Glukoz-6-fosfat dehidrogenaz. Biyokimya D 2* (22): 25–33, 1997.
66. **Ulusu NN**, Ozer N. Purification of glutathione-S-transferase from human placenta *Doğa-Tr. Medical Sciences*, 15: 152–153, 1991
67. Gürgan T, Günalp S, **Ulusu NN**, Alpay M, Tezcan EF. Amniotic fluid lecithin-sphingomyelin ratios in pregnancies with an anecephalic fetus. *Hacettepe Medical J* 22: 295–9, 1989.

## **Invited Speaker**

### **2016**

1. Why Glucose-6-phosphate dehydrogenase enzyme activity is increasing in Alzheimer's disease? Turkish Biochemistry Days, National Biochemistry Congress, 2-5 November 2016 Sivas Turkey.
2. Defining a scientific research problem, literature review and hypothesis generation. Hacettepe University Faculty of Medicine Department of Histology March .18 2016
3. TurkMSIC Research Workshop "Defining a scientific research problem, literature review and hypothesis generation" Koç University Istanbul January. 30.2016.

### **2015**

4. Glukoz-6-fosfat dehidrogenaz enzim eksikliği ve Alzheimer hastalığı suç ortağı mı? XXVII. Ulusal Biyokimya Kongresi. 27. Ulusal Biyokimya Kongresi, Antalya 27th National Biochemistry Congress, Antalya / TURKEY 3-6 November, 2015.
5. Glucose-6-phosphate Dehydrogenase Deficiency and Alzheimers Disease: Partners in Crime. 23rd Meeting of Balkan Clinical Laboratory Federation. 2nd National Congress of the Association of, Sarajevo, Bosnia and Herzegovina. October 7-9, 2015.
6. Enzyme Purification. The First International Congress of Healthy Agriculture, Nutrition and Community, Workshop 24-25 July 2015 in Tehran, Iran, 2015.
7. Enzymes: Small machines in our life. The First International Congress of Healthy Agriculture, Nutrition and Community, to be held 24-25 July 2015 in Tehran, Iran, 2015.
8. Importance of enzymes in development of science Hacettepe University Faculty of Medicine Department of Histology March 16 2015

## 2014

9. Turkish Biochemical Society as an invited speaker Istanbul University Cerrahpaşa Faculty of Medicine, Place of enzymes in our lives, December 8, 2014
10. Doctoral education practice models. XXVI. Turkey Meeting of University Institute of Health Sciences, Institute of Health Sciences DEU September 25, 2014.

## 2013

11. Cardinal place of glucose-6-phosphate dehydrogenase and glutathione reductase 21st Meeting of the Balkan Clinical Laboratory Federation Congress, September 25th – 28th in Budva, Montenegro.
12. Panel opening lecture ‘A short history of enzymes’. Turk Biochemistry Congress 3-6 September. İzmir, Turkey.
13. Roles of enzyme and enzymatic products in our lives. 13<sup>th</sup> Iranian Congress of Biochemistry, 5th Iranian Congress Biochemistry and Molecular Biology. 17 April, Yazd, Iran.
14. Panelist. 13<sup>th</sup> Iranian Congress of Biochemistry, 5th Iranian Congress Biochemistry and Molecular Biology. 18 April Yazd Iran.

## 2012

15. Conference opening lecture Enzymes; Small machines in our life. Fifteenth Scientific Conference "Ivan Berkes" December 4<sup>th</sup>, Belgrade, Serbia.
16. Two faces of glucose-6-phosphate dehydrogenase. 20th Meeting of the Balkan Clinical Laboratory Federation Congress, 8th EFCC Symposium for Balkan Region 18th Congress of Medical Biochemists of Serbia September 18–22 Belgrade, Serbia.

17. 5. Ankara Medical Biochemistry Days' Enzymes yesterday today tomorrow ' April 17, Ankara, Turkey

18. Turkish Biochemical Society Izmir, "Small Machines in our lives." February 27th, Izmir, Turkey.

19. Gulhane Military Medical Academy Enzymes: small machines in our lives. January 11, Ankara, Turkey.

## **2010**

20. 18th Balkan Clinical Laboratory Federation Congress (BCLF) Tirana-Arnautluk 22-25 th September New perspectives and aspects on enzyme inhibition.

21. Symposium on Recent Advances on Biochemistry Prof. Uğur Atik behalf of Glucose-6- Phosphate Dehydrogenase Purification of the sheep brain and Determination of Some Properties May 21 in Mersin, Turkey

22. Stress granules, Cukurova University Faculty of Medicine, 4.November, Adana, Turkey.

## **2009**

23. 2nd Ankara Medical Biochemistry Ankara Universal Importance of mRNA April 30.

## **2008**

24. Hacettepe University, Faculty of Medicine, Department of Histology-Embryology ' Stress Granules ' 11.November Ankara, Turkey.

## **2007**

25. Dicle University Faculty of Medicine 'Protein Purification', Department of Biochemistry, 26.November Diyarbakir, Turkey.

## **2005**

26. National Congress of Clinical Biochemistry applied enzymology workshop on the 'Spectrophotometric enzyme activity methods April 22-25, Antalya, Turkey
27. National Biochemistry Congress Workshop in enzymology Enzyme Kinetics and Clinical importance, April 22-25, Antalya, Turkey.

## **2003**

28. Hacettepe University Faculty of Medicine Continuing Medical Education Activities ' in Cell Signal Transduction ' course is the 'Signal molecules' May 29, Ankara, Turkey.

## **2002**

29. Ankara University, Medical school 'Symposium on ' neurotransmitters ' s 'Stress and allostatic Regulatory Mechanisms ' Ankara University Faculty of Health Education Publications No. 5 pages19-38 was published , Ankara, Turkey .
30. Hacettepe IVF Unit team ' Cell Biology ' presentation on 11 October, Ankara Turkey.



## **BOOKS**

### **Written National Book Chapters: November 2013 (Palme Kitapevi (Ankara) (Koç University)**

Uluslu NN. Enzyme kinetics, Biochemistry (Akademisyen Tıp Kitapevi) Temel bilimler serisi  
Palme Ankara 2013

Uluslu NN. Metabolism, Biochemistry (Akademisyen Tıp Kitapevi) Temel bilimler serisi  
Palme Ankara 2013

Uluslu NN. Bioenergetics, Biochemistry (Akademisyen Tıp Kitapevi) Temel bilimler serisi  
Palme Ankara 2013.

Uluslu NN. Pentose phosphate pathway, Uronic acid pathway and Metabolism of  
Monosaccharides and disaccharides, Biochemistry (Akademisyen Tıp Kitapevi) Temel  
bilimler serisi Palme Ankara 2013.

### **Book translations I:**

**Laboratory medicine The diagnosis of disease in the clinical laboratory Second edition**  
(In print)

By Michael Laposata (Lange)

Chapter 8: Blood Vessels

Chapter 9: The Heart

Chapter 10: Diseases of Red Blood Cells (2016)

### **II:**

II. Mark's Essentials of Medical Biochemistry, 2'nd Edition

Chapter: 12 Nükleik asitlerin yapısı (2016)

### **III.**

**Harper 29<sup>th</sup> Edition.** (2015)

Chapter 7: Enzymes; Mechanism of Action

Chapter 8: Enzymes Kinetics

Chapter 9: Enzymes: Regulation of Activities

### **IV.**

**Stryer Seventh edition** November2013 (Palme Kitapevi (Ankara)

Chapter 8: Enzymes: Basic Concepts and Kinetics (Koç University)

Editors: Jeremy M.Berg; John L. Tymoczko; Lubert Stryer with Greogory J.Gatto

W.H. Freeman and Company New York.

### **V.**

**Lab Notes** (Lab Notları) Güneş Tıp Kitapevi (2012)

Laboratuar değerler ve tanısal testler rehberi (Tracey B. Hopkins)

Translation half of the book.

## Posters and oral presentations in international congress

1. Evlice A, Ulusu NN. Glucose-6-phosphate dehydrogenase a novel hope on a blood-based diagnosis of Alzheimer's disease FEBS Congress, ST-09.03.3-001 Vol 283 Suppl 1 September Izmir, 2016. (oral presentations)
2. **Ulusu NN** Enzyme promiscuity and evolution of enzyme kinetic mechanisms 30th Anniversary Symposium of The Protein Society PH-022 July 16-19, July 19, 2016 Baltimore USA.
3. **Ulusu NN**. Evolution of enzyme kinetic mechanisms. The biochemistry and chemistry of biocatalysis. From understanding to design EMBO Conference Poster 91 12-15 June 2016 Oulu, Finland.
4. **Ulusu NN**, Yılmaz G, Erbayraktar Z, Evlice A, Aras S, Yener, G Avcı A. A Turkish three-centre study evaluation of serum folic acid and vitamin B12 levels in Alzheimer's disease PT - 1227. IBRO - 9th World Congress International Brain Research Organization. Rio De Janerio, Brazil. July 7-11, 2015.
5. Gok M, **Ulusu NN**, Tarhan N, Tufan C, Ozansoy G, Arı N, Karasu C. Flax seed protects against glucotoxicity: Amelioration of pentose phosphate pathway and glutathione-dependent enzyme activities in the brain, lung, pancreas and eye-lens of STZ-diabetic rats. A.04 XVIII Congress of the Portuguese Biochemical Society (SPB) Coimbra, Portugal. 17-24, December, 2014.
6. **Ulusu N**. Effects of Intrauterine and Extrauterine Exposure to 1800 MHz GSM-Like Radiofrequency Radiation on Liver Regulatory Enzymes Activities in one-month-old male New Zealand Rabbits. The 28 th of Symposium of the Protein Society. 27-30 July San Diego CA USA Protein Science, Vol: 23, 188-189, Suppl 1, Meeting Abstract: 03-275, Published: JUL 2014

7. Gokturk H, **Ulusu NN**, Gok M, Tuncay E, Can B, Turan B. Beta-blocker timolol has important beneficial action on diabetes-induced kidney tissue damage by enhancing the activities of some antioxidant enzymes. FEBS EMBO 2014 Conference, 30th August-4th September 2014; Paris, France. FEBS Journal 281 (Suppl. 1) (2014) 65–783.
8. **Ulusu NN**, Gok M, Turan B. Surprise effects of Beta-blocker timolol on diabetes-induced pancreas tissue. FEBS EMBO 2014 Conference, 30th August-4th September 2014; Paris, France. FEBS Journal 281 (Suppl. 1) (2014) 65–783.
9. Samadi A, **Ulusu NN**. Opinions and expectations of medical and BSC students about their education in Iran and Turkey. FEBS Workshop on biochemistry and molecular biology education. The FEBS journal, page 94. 38 th FEBS Congress Mechanisms in biology. St Petersburg, Russia, 6–11 July 2013.
10. Samadi A, **Ulusu NN**. Iranian students point of view about problems of doctorate education in Turkey. FEBS Workshop on biochemistry and molecular biology education. The FEBS journal, page 103. Congress: 38 th FEBS Congress Mechanisms in biology. St Petersburg, Russia, 6–11 July 2013.
11. **Ulusu NN**, Sengezer C. Inhibition kinetics of sheep brain cortex glucose-6-phosphate dehydrogenase by metal ions 38 th FEBS Congress Mechanisms in biology. St Petersburg, Russia, 6–11 July 2013.
12. Sengezer C, Yagcioglu S, **Ulusu NN**. A structural and kinetic study of colchicine on glucose-6-phosphate dehydrogenase from *Leuconostoc mesenteroides* and *Saccharomyces cerevisiae*. 37th FEBS 22th IUBMB From single molecules to system biology, Seville, Spain 4-9 September 2012.
13. Samadi A, Karaagaç-Akyol T, **Ulusu NN**. Purification of glucose-6-phosphate dehydrogenase from acute myeloid leukemia patients leucocytes 37th FEBS 22th IUBMB From single molecules to system biology, Seville, Spain 4-9 September 2012.

14. Samadi A, **Ulusu, NN**, Khademansari, MH. Effects alprazolam and haloperidol on thyroglobulin, antithyroglobulin, anti-thyroid peroxidase and TSH. FEBS JOURNAL Volume: 278 Special Issue: SI Supplement: 1 Pages: 337-337 Published: JUN 2011
15. 36th FEBS Congress of the Biochemistry for Tomorrows Medicine Location: Torino, ITALY JUN 25-30, 2011.
16. Şengezer C, **Ulusu NN**. A comparative study; one molecule an enzyme from various sources, FEBS JOURNAL Volume: 278 Special Issue: SI Supplement: 1 Pages: 164-164 Published: JUN 201136th FEBS Congress of the Biochemistry for Tomorrows Medicine Location: Torino, ITALY Date: JUN 25-30, 2011.
17. Samadi A, **Ulusu NN**. The problems of doctoral education in a foreign country.27-30 Eylül 2011, 6th Orpheus conference 2011 page 80 Dokuz Eylül University İzmir, Türkiye.
18. Sengezer C, **Ulusu NN**. In vitro inhibition of sheep brain cortex glucose-6-phosphate dehydrogenase with colchicine.P12 Catalytic mechanism by biological systems: at the interface between chemistry and biology EMBL Hamburg 5-7 May 2010.
19. Tandogan B, **Ulusu NN**. In vitro inhibition of bovine kidney cortex glutathione reductase with colchicines. P13. Catalic mechanism by biological systems: at the interface between chemistry and biology EMBL Hamburg 5-7 May 2010.
20. Tomruk A, Guler G, Tandogan B, Ozgur E, **Ulusu NN**, Seyhan N. Effects of Intrauterine and Extrauterine Exposure to 1800 MHz GSM-Like Radiofrequency Radiation on Liver Regulatory Enzymes Activities in Infant Female Rabbits. Proceedings of World Academy of Science, Engineering and Technology123. World Academy of Science and Engineering and Technology Issue 67, July, 2010.
21. Tandogan B, **Ulusu NN**. Comparative purification methods of glutathione reductase from bovine kidney cortex. A108.The EMBO Meeting, Amsterdam 29 August-1 September. 2009.

22. Tandogan B, **Ulusu NN**. In vitro effects of imatinib on bovine liver glutathione reductase. A109. The EMBO Meeting, Amsterdam 29 August-1 September. 2009.
23. Tandogan B, **Ulusu NN**. In vitro effects of Gleevec on Baker's Yeast Glutathione Reductase. P-89 11th Annual MipTec Conference, the leading European event for Drug Discovery, Basel Switzerland, October 14-16 2008.
24. Tandogan B, Güvenç A, Çalış I, **Ulusu NN**. In vitro effects of Hypolaetin 7-O-[6"-O-acetyl- $\beta$ -D-allopyranosyl-(1 $\rightarrow$ 2)]-6"-O-acetyl- $\beta$ -D-glucopyranoside on purified kidney cortex glutathione reductase. 11th Annual MipTec Conference, the leading European event for Drug Discovery, P119, Basel Switzerland, October 14-16 2008.
25. Tandogan B, Güvenç A, Çalış I, **Ulusu NN**. In vitro effects of isoscutellarein 7-O-[6"-O-acetyl- $\beta$ -D-allopyranosyl-(1 $\rightarrow$ 2)]-6"-O-acetyl- $\beta$ -D-glucopyranoside on purified kidney cortex glutathione reductase. S1P4 XVI th National congress of Biochemistry Ponta Delgada, Sao Miguel, Açores, October 22-25 2008.
26. Tandogan B, Tomruk A, Güler G, Seyhan N, **Ulusu NN**. The Effect of 1800 MHz Radiofrequency Radiation on Pentose Phosphate Pathway, Glutathione-Dependent Enzymes Activities in Pregnant Rabbits. S1P5, XVI th National congress of Biochemistry Ponta Delgada, Sao Miguel, Açores, October 22-25 2008.
27. Tandogan B, Güvenç A, Çalış I, **Ulusu NN**. Inhibition of purified bovine kidney cortex Glutathione reductase with Hypolaetin 7-O-[6"-O-acetyl- $\beta$ -D-allopyranosyl-(1 $\rightarrow$ 2)]- $\beta$ -D-glucopyranoside. S1P12. XVIth National congress of Biochemistry Ponta Delgada, Sao Miguel, Açores, October 22-25, 2008.
28. Tandogan B, Güvenç A, Çalış İ, **Ulusu NN**. In vitro effects of Isoscutellarein 7-O-[6"-O-acetyl- $\beta$ -D-allopyranosyl-(1 $\rightarrow$ 2)]- $\beta$ -D-glucopyranoside on purified kidney cortex glutathione reductase. S1 P16. XVI th National congress of Biochemistry Ponta Delgada, Sao Miguel, Açores, October 22-25 2008.

29. Tandogan B, **Ulus** **NN**. In vitro effects of Imatinib on Bovine Kidney Cortex Glutathione Reductase. P-88, 11th Annual MipTec Conference, the leading European event for Drug Discovery, Basel Switzerland, October 14–16 2008.
30. Karaman K, **Ulus** **N**, Tırnaksız MB, Şener B, Gülmez D, Tandogan B, Karaman N, Sökmensüer C, Sayek İ. Effects of steroids in rats on bacterial translocation, endotoxemia and apoptosis in association with oxidative stres enzymes following pringle maneuver. 18th International Postgraduate Course of The International Association of Surgeons, Gastroenrologists and Oncolists. Istanbul, 9-12 October, Vol 55, P 379, 2008.
31. Tandogan B, **Ulus** **NN**. Sığır karaciğer ve böbrek korteksi glutatyon redüktazının karşılaştırmalı kinetik mekanizması. P-092, XX. Ulusal Biyokimya Kongresi, Kapodokya, 29 Ekim–1 Kasım 2008.
32. Şengezer C, **Ulus** **NN**. Koyun Beyin Korteksinden G6PD saflaştırmada üç değişik saflaştırma basamak yöntemleri. P-093, XX. Ulusal Biyokimya Kongresi Kapodokya, 29 Ekim–1 Kasım 2008.
33. Tandogan B, Kuruüzüm-Uz A, Güvenalp Z, Demirezer LO, **Ulus** **NN**. Echium vulgare' den elde edilen rosmarinik asidin sığır böbrek glutatyon redüktazı üzerine in vitro etkisi. P-095, XX. Ulusal Biyokimya Kongresi Kapodokya, 29 Ekim–1 Kasım 2008.
34. Türkoğlu MA, Tandoğan B, **Ulus** **NN**, Demirer S, Çam R Glutatyon bağımlı enzimlerin meme malign ve benign lezyonlarındaki düzeyleri. P-100, XX. Ulusal Biyokimya Kongresi, Kapodokya, 29 Ekim–1 Kasım 2008.
35. Tandogan B, **Ulus** **NN**. Inhibition of bovine liver glutathione reductase with nickel ions University of Hacettepe Faculty of Medicine, Ankara, Turkey F1-45. 32nd FEBS Congress in Vienna Molecular Machines 7–12 July 2007.

36. Tandogan B, **Ulusu NN**. Inhibition of bovine liver glutathione reductase with cadmium ions University of Hacettepe Faculty of Medicine, Ankara, Turkey F1–46 32nd FEBS Congress in Vienna Molecular Machines 7–12 July 2007.
37. **Ulusu NN**, Tandogan B. Kinetic properties of glutathione reductase from bovine liver Hacettepe University, Ankara, Turkey F1–47 32nd FEBS Congress in Vienna Molecular Machines 7–12 July 2007.
38. **Ulusu NN**, Tandogan B. Purification and some molecular properties of bovine liver glutathione reductase Hacettepe University, Ankara, Turkey F1–48 32 nd FEBS Congress in Vienna Molecular Machines 7–12 July 2007.
39. Tandogan B, **Ulusu NN**. Inhibition of bovine glutathione reductase with zinc ions. PP 54, XV. Congress of Balkan Clinical laboratory Federation, Antalya, Turkey, 4–7 September 2007.
40. Tandoğan B, **Ulusu NN**. Inhibition kinetics of yeast glutathione reductase by zinc ion. 31st FEBS Congress, Molecules in Health and Disease. PP-349. Published by the FEBS Journal Vol 273 Supp1 June 2006.
41. **Ulusu NN**, Tandoğan B. 31. FEBS Congress, Molecules in Health and Disease 24-29 June 2006 Effects of Some Metal Ions On Yeast Glutathione Reductase PP-893, Published by the FEBS Journal Vol 273 Supp1 June 2006.
42. Özdemir S, **Ulusu NN**, Tandoğan B, Turan B. Angiotensin II receptor blocker prevents diabetes-induced oxidative damage in rat heart, The 5th International Congress of Pathophysiology June 28-July 1, 2006 Beijing, China. (Part I Oral Presentation). Published by the Chinese Journal of Pathophysiology 22(13) 2006.
43. Guz G, **Ulusu NN**, Ozer E, Doğu C, Demiroğulları B, Stefek M, Karasu C. Effects of the stobadine and taurine on renal ischemia/reperfusion injury. The 5th International Congress of Pathophysiology June 28-July 1, 2006 Beijing, China. Published by the Chinese Journal of Pathophysiology 22(13) 2006.P390025.



44. Demirer S, **Ulusu NN**, Aslım B, Kepenekci I, Ulusoy C, Andreiu MN, Aydıntug S. The effects of probiotics on glutathione reductase, glutathione-S-transferase and pentose phosphate pathway regulating enzymes after abdominal irradiation in rats. The American Society for parenteral and enteral clinical nutrition week. January 29, February 2, 2005 Orlando, Florida.
45. **Ulusu NN**, FC Tanyel. Ca<sup>2+</sup> ATP ase activities in cremaster muscles and sacs. 30 th FEBS Congress 9 th IUBMB Conference The Protein World Proteins and Peptides: Structure, Function and Organization, A1-034P Budapest Hungary. 2-7 July 2005.
46. Tandogan B, **Ulusu NN**. Purification and some properties of glucose-6-phosphate dehydrogenase from sheep kidney cortex. 30 th FEBS Congress 9 th IUBMB Conference The Protein World Proteins and Peptides: Structure, Function and Organization, A1-036, Budapest Hungary, 2-7 July 2005.
47. **Ulusu NN**, Tanyel FC. Ca<sup>2+</sup> ATPase activities in sacs from boys and girls with inguinal hernia, and from boys with hydrocele or undescended testis. BIOMED 2004 11. International Biomedical Science and Technology Days. Ankara, BAPO1 September 6-10, 2004.
48. **Ulusu NN**, Tandoğan B, Tanyel FC. Ca<sup>2+</sup> ATPase activities in cremaster muscles from boys and girls with, inguinal hernia, and from boys with hydrocele or undescended testis. BIOMED 2004 11. International Biomedical Science and Technology Days. Ankara, BAPO2 September 6-10, 2004.
49. **Ulusu NN**, Tanyel FC. Na<sup>+</sup> K<sup>+</sup> ATPase activities in sacs and cremaster muscle from boys and girls with, inguinal hernia, and from boys with hydrocele or undescended testis. BIOMED 2004 11. International Biomedical Science and Technology Days. Ankara, BAPO3 September 6-10, 2004.
50. **Ulusu NN**, Tandoğan B, Tezcan EF. Aging and glucose-6-phosphate dehydrogenase. BIOMED 2004 11. International Biomedical Science and Technology Days. Ankara, BAPO4 September 6-10, 2004.

51. **Ulusu NN**, Turan B. Beneficial effects of selenium on some enzymes of diabetic rat heart. BIOMED, International Biomedical Science and Technology Days. Ankara, BAPO5 September 6-10, 2004.
52. Tandoğan B, **Ulusu NN**. Some properties of glucose-6-phosphate dehydrogenase from lamb and sheep kidney cortex. BIOMED International Biomedical Science and Technology Days. Ankara, BAPO6 September 6-10, 2004.
53. Akbay E, **Ulusu NN**, Törüner F, Ayvaz G, Taneri F, Aktürk M, Karasu Ç, Arslan M, Effects of rosiglitazone treatment on liver antioxidant enzyme activities in high fat fed rats. Second International Symposium on PPARs: From Basic Science to Clinical Applications Florence, Italy. March 19–22, 2003.
54. Das-Evcimen EN, **Ulusu NN**, Karasu C, Pekiner BD. Adenosine triphosphatase activity of streptozotocin-induced diabetic rat brain microsomes. Effect of vitamin E. Clinical Chemistry 49 (6): D-98, Part 2 Suppl. S July, 2003.
55. Ozbey G, **Ulusu NN**, Tandoğan B, Güneş A, Deniz B, Durakoğlugil DB, Karasu Ç, Uluoğlu C, Zengil H. Circadian variations in the activities of 6-phosphogluconate dehydrogenase and glucose-6-phosphate dehydrogenase in rat liver: influence of diabetes. 1st World Congress of Chronobiology & 10th Annual Meeting of Japanese Society for Chronobiology. D1-7, Sapporo, Japan, September 9–12, 2003.
56. **Ulusu NN**, Tandoğan B, Ozbey G, Durakoğlugil DB, Güneş A, Karasu Ç, Uluoğlu C, Zengil H. The effect of experimental diabetes on the circadian rhythm of glutathione-S-transferase activity. 1st World Congress of Chronobiology & 10th Annual Meeting of Japanese Society for Chronobiology. D1-8, Sapporo, Japan, September 9–12, 2003.
57. Karasu C, Ayvaz G, Akbay E, **Ulusu NN**, Toruner F, Ceylan A. Effects of rosiglitazone treatment on pentose phosphate pathway and glutathione dependent enzymes in kidney of high fat fed rats. Obesity Research 11: 463-P, Suppl. S SEP 2003.

58. **Uluslu NN**, Tandoğan B. Kinetics of glucose-6-phosphate dehydrogenase from six-month-old lamb kidney cortex. 13th Balkan Biochemical Biophysical Days & Meeting on metabolic disorders. Published by the Turkish Biochemical Society Volume 28, Number 3 P239 Kuşadası, Turkey 12–15 October 2003.
59. **Uluslu NN**, Açıkan NL, Turan B. A comparative study on effects of sodium selenite in altered antioxidant defences of Heart and liver in diabetes. 13th Balkan Biochemical Biophysical Days & Meeting on metabolic disorders. Published by the Turkish Biochemical Society Volume 28, Number 3 P296 Kuşadası, Turkey 12–15 October 2003.
60. **Uluslu NN**, Tandoğan B. Purification of glucose-6-phosphate dehydrogenase from six-month-old lamb kidney cortex. 13th Balkan Biochemical Biophysical Days & Meeting on metabolic disorders. Published by the Turkish Biochemical Society Volume 28, Number 3 P308 Kuşadası, Turkey 12–15 October 2003.
61. Pekiner BD, Evcimen ND, **Uluslu NN**, Karasu Ç. Effects of vitamin E on microsomal Ca<sup>2+</sup>-ATPase activity and calcium levels in streptozin-diabetic rat kidney. XIth Meeting of the Society for Free Radical Research International. 492, Rene Descartes University, Paris, France. Free Radical Biology & Medicine Vol 33, Supplement 1, July 16–20 2002.
62. **Uluslu NN**, Ceylan A, Stefek M, Karasu Ç. Comparative effects of stobadine and vitamin E treatments on activities of glucose-6-phosphate dehydrogenase, 6-phosphogluconate dehydrogenase and glutathione-S-transferase in aortae of STZ-diabetic and control rats. PS5-041, FEBS Hilton Otel Istanbul. 20–25 October 2002.
63. **Uluslu NN**, Kılınç K, Turan B, Açıkan NL. Effect of selenium treatment on glutathione redox system in diabetic rat liver, PS5-040, FEBS Hilton Otel Istanbul. 20–25 October 2002.
64. **Uluslu NN**, Tanyel FC, Tezcan EF, Büyükpamukcu N. Less calcium in cremaster muscles of boys with undescended testis supports a deficiency in sympathetic innervation. 2nd International Meeting on Free Radicals in Health and Disease: The

Role of Oxidants and Antioxidants in the Regulation of Chronic Disease. PS5-040, Swiss Otel The Bosphorous, Istanbul, Turkey. 8–12 May 2002.

65. Karasu Ç, **Ulusu NN**, Avcı A, Sahilli M, Canbolat O, Ozansoy G, Arı N, Stefek M, Stolc S, Gajdosik A. Effects of stobadin treatment on pentose phosphate pathway, glutathione-dependent enzymes, superoxide dismutase, and lipid peroxidation in the brain of diabetic rat; comparison with vitamin E. 37th Annual Meeting of the European Association for the study of Diabetes (EASD) 592, Glasgow, United Kingdom, 9–13 September 2001.
66. Ercil D, Sakar MK, **Ulusu NN**, Tezcan EF. Inhibitory effects on 5-lipoxygenase of intermedeol. 6th. International Symposium on Pharmaceutical Sciences ISOPS–6 June Ankara. (Turkey. Proceedings and Abstract Book P–65), 27–9 2000.
67. Sakar MK, Ercil D, **Ulusu NN**, Tamer AÜ, Şahin N, Tezcan EF. Antimicrobial activities of *Abies nordmanniana* ssp. *bornmuelleriana* extracts and their inhibitory effects on 5-lipoxygenase. The First International Biosciences Days, The First Congress of Balkan Association of Biosciences, XV National Congress of Biochemistry Clinical Laboratory Automation Symposium-II, Antalya, (Özet Kitabı, P–326), 20–4 Nisan 1999.
68. **Ulusu NN**, Açıan NL, Turan B, Tezcan EF. Effect of selenium on glutathione peroxidase and glutathione reductase of rat brain. The First International Biosciences Days, The First Congress of Balkan Association of Biosciences, XV National Congress of Biochemistry Clinical Laboratory Automation Symposium-II, Antalya, (Özet Kitabı, P–574), 20–4 Nisan 1999.
69. **Ulusu NN**, Kuş MS, Açıan NL, Tezcan EF. Kinetic properties of glucose-6-phosphate dehydrogenase from bovine lens. 6. Meeting of Balkan Clinical Laboratory Federation Plovdiv, Bulgaria, (P082), 8–12 Ekim 1998.
70. **Ulusu NN**, Açıan NL, Turan B, Tezcan EF. Effect of dietary selenium on the glutathione reductase and glutathione peroxidase activity of rat liver and the

relationship with Cd toxicity. 6<sup>th</sup>. Meeting of Balkan Clinical Laboratory Federation  
Plovdiv, Bulgaria, (P142), 8-12 Ekim 1998.

## Posters and oral presentations in National Congress

1. Erbayraktar Z, Evlice A, Yılmaz G, Yazıcı C, Yener G, **Ulusü NN.** Renal Function in Alzheimer`s Disease and Geriatric patients: Results From A Turkish Two-Centre Study. Turkish Biochemistry Days, National Biochemistry Congress, P-66, 2-5 November Sivas, 2016.
2. Erbayraktar Z, Evlice A, **Ulusü NN.** Effects of donepezil use on kidney and liver function tests in patients with Alzheimer's disease. Medication and therapy congress 25 April-2 May 2016 Antalya, Turkey. (Oral presentation).
3. Sevgin Özlem İşeri Erten, Zeliha Günnur Dikmen, **Ulusü NN.** P-252 – Comparision of spectrophotometric and fluorimetric methods in evaluation of biotidinidase deficiency Biyotidinidaz eksikliđinin ölçümünde spektrofotometrik ve florometrik yöntemlerin karşılaştırılması. 27. Ulusal Biyokimya Kongresi, Antalya [27th National Biochemistry Congress, Antalya / TURKEY] 3-6 November, 2015.
4. **Ulusü NN.,** Yılmaz G, Erbayraktar Z, Evlice A, Genç M, Aras S, Avcı A, Yener G P-290 - A comparative study on thyroid function in Alzheimers' disease: results from a Turkish multicenter study.27th National Biochemistry Congress, Antalya / TURKEY] 3-6 November, 2015.
5. Tandođan B, **Ulusü NN.** Sıđır böbrek korteksi glutasyon redüktazının saflaştırılması ve bazı özelliklerinin araştırılması 1-3 Aralık tarihlerinde İzmir Atatürk Kültür Merkezi'ndeolan Ege Arge ve Teknoloji Günlerine, 2011.
6. Tandođan B, **Ulusü NN.** Sıđır böbrek korteksi glutasyon redüktazının saflaştırılması ve bazı özelliklerinin araştırılması. Hacettepe Üniversitesi, Proje pazarı 10-11 Mayıs, 2010, Ankara.
7. Şengezer C, **Ulusü NN.** Glukoz-6-fosfat dehidrogenaz enziminin koyun beyninden saflaştırılması ve bazı özelliklerinin belirlenmesi. Hacettepe Üniversitesi Proje pazarı 10-11 Mayıs, 2010, Ankara.

8. Şengezer C, **Ulus** **NN**. Glukoz-6-fosfat dehidrogenaz enziminin koyun beyninden saflaştırılması ve bazı özelliklerinin belirlenmesi. Prof.dr. Uğur Atik adına Biyokimyada Güncel Gelişmeler Sempozyumu 21-22 Mayıs, 2010.
9. Tandogan B, **Ulus** **NN**. Glutasyon redüktazın hızlı ve basit şekilde saflaştırılması. P-28, VII Ulusal Sinirbilimleri Kongresi Çukurova Üniversitesi, Adana 16-20 Nisan, 2008.
10. **Ulus** **NN**, Tandogan B. Sığır böbrek korteksi glutasyon redüktazının kinetik karakterizasyonu. P-29, VII, Ulusal Sinirbilimleri Kongresi Çukurova Üniversitesi Adana 16-20 Nisan 2008.
11. Şengezer C, **Ulus** **NN**. Glukoz 6-fosfat dehidrogenazın koyun beyninden saflaştırılması. Poster-7 IV, Ulusal Afinite Teknikleri Kongresi (Uluslararası katkı) Muğla Üniversitesi 04-07 Mayıs 2008.
12. Şengezer C, **Ulus** **NN**. Koyun beyin korteksinden saflaştırılan glukoz-6-fosfat dehidrogenazın kinetik davranışının saptanması. Poster-8 IV Ulusal Afinite Teknikleri Kongresi (Uluslararası katkı) Muğla Üniversitesi 04-07 Mayıs 2008.
13. **Ulus** **NN**, Şengezer C. Koyun beyin korteksinden saflaştırılan glukoz-6-fosfat dehidrogenazın nikel ile inhibisyonu. Poster-9 IV Ulusal Afinite Teknikleri Kongresi (Uluslararası katkı) Muğla Üniversitesi 04-07 Mayıs 2008.
14. Tandogan B, **Ulus** **NN**. Sığır Böbrek korteksi glutasyon redüktazının nikel ile inhibisyonu. Poster-16. IV Ulusal Afinite Teknikleri Kongresi (Uluslararası katkı) Muğla Üniversitesi 04-07 Mayıs 2008.
15. Tandogan B, **Ulus** **NN**. Sığır Böbrek korteksi glutasyon redüktazına çinkonun etkisi. Poster-17. IV Ulusal Afinite Teknikleri Kongresi (Uluslararası katkı) Muğla Üniversitesi 04-07 Mayıs 2008.
16. **Ulus** **NN**, Tandogan B. Glutasyon redüktazın çeşitli dokulardan saflaştırılması. Poster-18. IV Ulusal Afinite Teknikleri Kongresi (Uluslararası katkı) Muğla Üniversitesi 04-07 Mayıs 2008.

17. Tandogan B, **Ulus** **NN**. Sığır böbrek korteksi glutasyon redüktaz enziminin kadmiyum ile inhibisyonu. S 18, Metabolizmanın regülasyonu ve metabolik regülasyon (lisanüstü yaz okulu) Trabzon, 29 Haziran–06 Temmuz 2008.
18. Şengezer C, **Ulus** **NN**. Koyun beyin korteksinden saflaştırılan glukoz-6-fosfat dehidrogenaz enziminin kadmiyum (Cd +2) ile inhibisyonu S 19 Metabolizmanın regülasyonu ve metabolik regülasyon (lisanüstü yaz okulu). Trabzon, 29 Haziran–06 Temmuz 2008.
19. Şengezer C, **Ulus** **NN**. Koyun beyin korteksi b-D- glukoz-6-fosfat dehidrogenaz enziminin çinko (Zn +2) ile inhibisyonu S 20 Metabolizmanın regülasyonu ve metabolik regülasyon (lisanüstü yaz okulu). Trabzon, 29 Haziran–06 Temmuz 2008.
20. Tandoğan B, **Ulus** **NN**. Glutasyon Redüktazın Kalsiyum Klorür İle İnhibisyonu P30 Inhibition of Glutathione Reductase By Calcium Chloride. V. Ulusal Sinirbilimleri Kongresi (5th National congress of Neuroscience Zonguldak-Turkey, April 10–14, 2006) Zonguldak Karaelmas Üniversitesi 10–14 Nisan 2006.
21. Tandogan B, **Ulus** **NN**. Glutasyon Redüktaz İnhibisyonunda EDTA’ nın Koruyucu Etkisi P31 Protective Effect of EDTA on Glutathione Reductase Inhibition V. Ulusal Sinirbilimleri Kongresi (5th National congress of Neuroscience Zonguldak-Turkey, April 10–14, 2006) Zonguldak Karaelmas Üniversitesi 10–14 Nisan 2006.
22. Güz G, Öz E, Lortlar N, **Ulus** **NN**, Nurlu N, Demiroğulları B, Ömeroğlu S, Sert S, Karasu Ç. Taurine’nin Renal İskemi/Reperfüzyon Hasarına Etkileri, S8 Organ Nakli Kuruluşları Koordinasyon Derneği V. Kongresi Ttansplantasyon 2006, Sheraton Otel Çeşme. 14-17 Eylül 2006.
23. Tandogan B, Tumer A.R, **Ulus** **NN**. Effects of toluene on pentose phosphate pathway enzymes in the brain of rats. P97. IV. Ulusal Sinirbilimleri Kongresi Mersin, 29 Mart-2 Nisan 2005.



24. Tandogan B, Tumer A.R, **Ulus** **NN**. Effects of toluene on rat brain glutathione-S-transferase and catalase. P98 IV. Ulusal Sinirbilimleri Kongresi Mersin, 29 Mart–2 Nisan 2005.
25. Tumer A.R, Tandogan B, **Ulus** **NN**. Effects of toluene on rat brain glutathione peroxidase and glutathione reductase. P99 IV. Ulusal Sinirbilimleri Kongresi, Mersin, 29 Mart-2 Nisan 2005.
26. Tumer A.R, Tandogan B, **Ulus** **NN**. Tolüenin rat karaciğeri pentoz fosfat yolu enzimleri üzerine etkisi P121. 19. Ulusal Biyokimya Kongresi Antalya, 22–25 Nisan 2005.
27. **Ulus** **NN**, Tandogan B, Tumer AR. Tolüenin rat karaciğeri glutatyon redüktaz ve glutatyon peroksidaz enzimlerine etkisi. P127. 19. Ulusal Biyokimya Kongresi, Antalya, 22–25 Nisan 2005.
28. **Ulus** **NN**, Tandogan B, Tumer AR. Tolüenin rat karaciğeri glutatyon-S-transferaz ve katalaz enzimleri üzerine etkisi. P128. 19. Ulusal Biyokimya Kongresi Antalya, 22–25 Nisan 2005.
29. **Ulus** **NN**. Ulusal Afinite Teknikleri Kongresi Glukoz 6-Fosfat Dehidrogenaz Enziminin Afinite ve İyon Değiştirici Kolonları Kullanılarak Çeşitli Dokulardan Saflaştırılması ve Bazı Özelliklerinin Açıklanması, Ankara. (oral presentation) 22-24 Haziran 2005.
30. **Ulus** **NN**, Tandoğan B. The effects of Ca<sup>2+</sup> and EDTA on glucose-6-phosphate dehydrogenase activity inhibited by Zn<sup>2+</sup> Volume 3 Supplement 1, P39, 3rd Natioanal Congress of Neuroscience Denizli, Turkey, April 7-11, 2004.
31. **Ulus** **NN**, Tandoğan B. The effects of Ca<sup>2+</sup> and EDTA on glucose-6-phosphate dehydrogenase activity inhibited by Cd<sup>2+</sup> Volume 3 Supplement 1, P40, 3rd Natioanal Congress of Neuroscience Denizli, Turkey, April 7-11, 2004.

32. Akbay E. **Ulus** **NN**, Törüner F, Ayvaz G, Taneri F, Aktürk M, Arslan M. Diyetle bağı sıçanlarda rosigitzaon tedavisinin karaciğer antioksidan enzim aktivitelere etkileri. Turkish Journal of Endocrinology and Metabolism 26th National Congress of Endocrinology and Metabolic Diseases. Volume 7 Number 1 P041, 2003.
33. **Ulus** **NN**, Kılınc K, Turan B. Selenyum diyabetik kalp ve karaciğer dokusu antioksidan savunma mekanizmasına ve yapısına etkilerinin incelenmesi. Klinik Biyokimya Günleri Klinik Biyokimya Uzmanları Derneği 1. Ulusal Kongresi P18 Kapadokya 1–4 Ekim 2003.
34. Tandoğan B, **Ulus** **NN**. Glukoz-6-fosfat dehidrogenazın koyun böbrek korteksinden saflaştırılması. Klinik Biyokimya Günleri Klinik Biyokimya Uzmanları Derneği 1. Ulusal Kongresi P94 Kapadokya 1–4 Ekim 2003.
35. Tandoğan B, **Ulus** **NN**. Kuzu böbrek korteksinden saflaştırılan glukoz-6-fosfat dehidrogenazın çinko sülfat ile inhibisyonu. XV. Ulusal Biyofizik Kongresi P44 Pamukkale Üniversitesi Denizli 8-12 Ekim 2003.
36. Tandoğan B, **Ulus** **NN**. Kuzu böbrek korteksinden saflaştırılan glukoz-6-fosfat dehidrogenazın kadmiyum klorür ile inhibisyonu. XV. Ulusal Biyofizik Kongresi P45 Pamukkale Üniversitesi Denizli 8-12 Ekim 2003.
37. **Ulus** **NN**, Tanyel FC, Tezcan EF, Büyükpamukcu N. Fıtık, hidrosel ve inmemiş testis ile ilişkili keselerle peritonda Ca<sup>2+</sup> içeriğinin karşılaştırmalı olarak çalışılması: Programlı hücre ölümü etkisinin ipuçları. 1. Ulusal Sinirbilimleri Kongresi, Eskişehir. (p:100) 16–20 Mart 2002.
38. **Ulus** **NN**, Sahilli M, Ceylan A, Karasu Ç. Glukoz-6-fosfat dehidrogenaz, 6-fosfoglukonat dehidrogenaz, glutatyon redükraz ve glutatyon–S-transferaz aktivitelerinin uzun süreli ve kısa süreli stz-diyabetik sıçan beyinlerinde karşılaştırılması. Ulusal Sinirbilimleri Kongresi, Eskişehir. (p:101). 16–20 Mart, 2002.

39. **Ulus** **NN**, Sakar MK, Tezcan EF. The inhibitors of soybean lipoxygenase: (-)-Epicatechin-3-O-gallate and (-)-Epigallocatechin-3-O-gallate. 8th Biomedical Science and Technology Symposium Ankara, P35, Turkey September 5–8, 2001.
40. **Ulus** **NN**, Ercil D, Sakar MK, Tezcan EF. Abietic acid inhibits lipoxygenase activity. 6th International Symposium on Pharmaceutical Sciences ISOPS–6 June Ankara (Turkey. Proceedings and Abstract Book P–104), 27-9 2000.
41. **Ulus** **NN**, Aan NL, Turan B, Tezcan EF. Effects of Dietary selenium on the glutathione reductase and glutathione peroxidase activities of animal tissues and the relationship with cadmium toxicity. Selenium 2000 7th International Symposium on Selenium in Biology and Medicine, P-1 Venezia, Italy October 1-5 2000.
42. **Ulus** **NN**, Erten C, Aan NL, Turan B. Diyetle alınan selenyumun tavşan karaciğer ve kalbindeki glutatyon peroksidaz ve glutatyon redüktaz enzimleri üzerine etkisi. IX. Ulusal Biyofizik Kongresi, Orta Doęu Teknik Üniversitesi, Ankara, (Özet Kitabı PD3) 5–6 Eylül 1997.
43. **Ulus** **NN**, Kuş MS, Tezcan EF. Sıęır lensinden glukoz-6-fosfat dehidrogenazının saflaştırılması ve bazı özellikleri. Uluslararası katılımlı XIV. Ulusal Biyokimya Kongresi, İzmir, (Biyokimya Kongresi Özet Kitabı, C–114), 28–31 Ekim 1997.
44. **Ulus** **NN**, Aan NL, Turan B, Tezcan EF. Diyetle alınan selenyumun çeşitli tavşan dokularında glutatyon redüktaz aktivitesi ve kadmiyum toksidesi ile ilişkisi. Uluslararası katılımlı XIV. Ulusal Biyokimya Kongresi İzmir, (Biyokimya Kongresi Özet Kitabı, C-302). 28–31 Ekim 1997.
45. **Ulus** **NN**, Ünsal İ, Öęüş İH, Kansu E, Özer N. İnsan glutatyon S-transferazının, kinetik özellikleri ve mitomycin C ve idarubicin tarafından inhibisyonu. XI. Ulusal Biyokimya Kongresi, Kemer-Antalya, (Biyokimya Dergisi 17 Özel Sayı, E-23), 24–9 Ekim 1992
46. **Ulus** **NN**, Özer N. İnsan plasental glutatyon S-transferazının saflaştırılması ve bazı özellikleri. IX. Türk Biokimya Kongresi, Antalya, (Biyokimya Dergisi Özel Sayısı 14 44–5), 19–23 Kasım 1989.



## Projects:

1. Turkey Scientific and Technological Institution (TUBITAK) Joint project Targeting molecular pathways of glycolipototoxicity by a novel carboxymethylated mercaptotriazinoindole inhibitor of aldo-keto reductase in diabetes, inflammation and age-related neurodegeneration Researcher Project number: 215S197 '215S197' numaralı ve 'Diyabet, Inflamasyon ve Yaşa Bağımlı Nörodejenerasyonda Gliko-Lipotoksisitenin Moleküler Yolaklarının Karboksimetillenmiş Merkaptotriazinoindolik Yeni Aldo-Keto Redüktaz (AKR1B1) İnhibitörleri İle Hedeflenmesi'
2. Hacettepe University Scientific and Research Project: Comparison Florimetric and the spectrophotometric method of assessing the biotinidase enzyme deficiency Project number 013 D10 101 005.
3. . Hacettepe University Scientific and Research Project: Renewal of Enzymology Laboratory for Protein Purification and Identification 02 G085 Position in the project: Scientist
4. Hacettepe University Scientific and Research Project Proje başlığı: Glukoz-6-fosfat dehidrogenazın koyun beyninden saflaştırılması ve bazı özelliklerinin saptanması Project Proje no: 09D05101001 Leader: Prof. Dr. N.Nuray Ulusu
5. The Scientific and Technological Research Council of Turkey (SBAG-AYD-75) 'Purification of glucose-6-phosphate dehydrogenase from bovine lens and determination of its molecular and kinetic properties. Project Leader: Prof. Dr. E. Ferhan Tezcan Position in the project: Scientist.

6. Hacettepe University Scientific and Research Project (9601 101 011) 'Effect of dietary selenium and vitamin E on some antioxidant enzyme activities in various tissues. Project Leader: Prof. Dr. E. Ferhan Tezcan Position in the project: Scientist.
7. A comparative study; one molecule two enzymes from various sources. Project Leader: Prof.Dr.N.Nuray Ulusu This project was supported by Dr. Feridun Frik.
8. Proje Başlığı: In vitro effects of Imatinib on Purified glutathione reductase and glucose-6-phosphate dehydrogenase. Project Leader: Prof.Dr. N.Nuray Ulusu Novartis Pharma AG, Basel, Switzerland was supported imatinib.
9. Hacettepe University Scientific and Research Project: Vitamin E to prevent harmful effects of toluene. Project Leader: Ali Rıza Tümer Proje No: 05D02101004. Position in the project: Scientist.
10. Hacettepe University Scientific and Research Project: Molecular and Kinetic Properties of Bovine Kidney Cortex of Glutathione Reductase. Project Leader: Assoc. Prof.Dr. N.Nuray Ulusu
11. The Scientific and Technological Research Council of Turkey. Blokage antioxidant and aldose reductase in diabetic complication prevention of delay: study on piridoindol Derivatives SBAG-Slovak-2 (103S180)6. Project Leader: Prof.Dr. Çimen Karasu. Position in the project: Scientist

12. Ankara University Scientific Research Project. Antioxidants in the prevention of diabetes complications: 2001.08.03.031 Project Leader: Prof. Dr. Nuray Ari. Position in the project: Scientist
  
13. University of Hacettepe Scientific and Research Development Office Number: 00 02 101 012. Calcium ATPase activities sacs associated with inguinal hernia, hydrocele or undescended testis Project Leader: Assoc. Prof. Dr N. Nuray Ulusu.
  
14. The Scientific and Technological Research Council of Turkey. Effects of antioxidants and inhibition of aldose reductase enzyme in Diabetes-Induced Complications and New studies on the compounds of piridoindol. Project Leader. Prof. Dr Çimen Karasu. Position in the project: Scientist

## **Editorial board membership**

### **International**

Journal of Medical Biochemistry (SCI-expanded)

### **Reviewer**

1. Biometals
2. Journal of Enzyme Inhibition and Medicinal Chemistry
3. Toxicology in vitro
4. Veterinary Ophthalmology
5. International Journal of Biomedical Sciences
6. Journal of Animal Breeding and Genetics
7. Türkiye Klinikleri Tıp Bilimleri Dergisi
8. Journal of Clinical Laboratory research
9. Turkish journal of Biochemistry
10. Zonguldak Karaelmas Üniversitesi dergisi
11. Journal of Pharmaceutical Sciences
12. FABAD



13. Hacettepe Üniversitesi Eczacılık Fakültesi

14. Pharmaceutical Biology

15. Journal of Medical Biochemistry

16. Turkish Journal of Medical sciences

## **Courses**

Animal Experiments held by the local ethics committee 1. I worked as a trainer in the use of experimental animals' certificate courses. May 8 to 20 2014.

National Congress of Clinical Biochemistry, enzymology Workshop on Practical Presentation on display as spectrophotometric enzyme activity of 22 to 25 April 2005 Antalya.

Hacettepe University Faculty of Medicine Medical Education Activities in Cell Signal Transduction ' course is the ' Signal Molecules' May 29 to 30 2003, Ankara, Turkey .

## **Reviewer for the following projects**

1. T.C.Celal Bayar Üniversitesi Bilimsel Araştırma
2. Akdeniz Üniversitesi Bilimsel Araştırma Projesi
3. TUBA-DSAP Doktora sonrası araştırma programı

## **Reviwer for the academic promotion:**

1. Öğretim Üyelerinden görev süresinin uzatılabilmesi için (1)
2. Yardımcı doçentliğe atanma (1)
3. Doçent sınavı eser (dosya) değerlendirmelerinde (8)
4. Profesörlüğe atanmalarda (3)

## **CONDUCTED MASTERS, DOCTORATE AND RESIDENCY THESIS**

### **1. Residency Thesis Co-Adviser**

Dr. Sevgin Özlem İşeri-Erten

Subject: Biotinidase enzyme assays

Completed: 2. April 2014

### **2. Doctorate Thesis**

Sığır böbrek korteksi glutatyon redüktazının saflaştırılması ve bazı özelliklerinin araştırılması

Berivan Tandoğan

Completed: September 2010)

### **3. Master of Science Thesis**

Glukoz-6-fosfat dehidrogenazın koyun beyninden saflaştırılması ve bazı özelliklerinin saptanması

Cihangir Şengezer

Completed: 14. April.2010

### **4. Master of Science Thesis**

Kuzu böbrek korteksinden, glukoz-6-fosfat dehidrogenazın saflaştırılması ve bazı özelliklerinin saptanması

Berivan Tandoğan

Completed: 2004

## **AWARDS**

1. Turkish Journal of Biochemistry published in the journal ' Characterization of glucose -6-phosphate dehydrogenase purified from kidney cortex light ' because of my article is cited by SCI also been selected to receive the best article of 2005 .
2. Fifth Congress of the Transplantation Society of Transplantation Coordination Organization, 2006 Sheraton Cesme Hotel 14-17 SEPTEMBER 2006 our posterior have received young researchers awards.
3. Diabetes complications, vitamin E Gen Physiol Biophys 2004; 23 (3) 347-355 our paper is involved in 'oil historic Mill Newspaper of e called upon

## **Summer Schools (National and International)**

'Monoclonal Antibody Techniques' 18–22 November 1991, The Royal Postgraduate Medical School, University of London, İngitere.

TUBITAK, the British Council and conducted in cooperation with the Middle East Technical University , ' Protein Structure, Function and Stability ' course on 18-22 April 1994 in Ankara , Turkey.

DNA Techniques in Molecular Level' ' June 16 to 20 , 1997 Cukurova University , Faculty of Medicine , Biochemistry Department, TUBITAK and Cukurova University summer school organized by the Institute of Health Sciences cooperation.

TUBITAK DNA / Cell Bank and Gene Research Laboratories ' Gene Mapping Protein Modeling ' course of January 28, 2000 .

Clinical Laboratory Standardization and Quality Assurance in Education and Practice Meeting- III ' 31 March to 3 April 2000 in Adana .

Hacettepe University Faculty of Medicine, Continuing Medical Education Activities ' Reactive Oxygen and Nitrogen Oxide Types: Synthesis, Functions and Toxic Effects ' course , 3-4 September 2001 in Ankara .

Hacettepe University, Faculty of Pharmacy, Association of Graduates, ' Hypolipidemic drugs ' training session on March 23, 2002 Ankara.

Free Radical School on Measurement of Free Radicals, Evaluation of Oxidant/Antioxidant Status and Clinical Applications May 10–12, 2002, Swiss Otel The Bosphorus, Istanbul, Turkey.

Hacettepe University Faculty of Medicine Study Skills Seminar ' 27 to 31 May 2002 Ankara.

Gulhane Military Medical Faculty of the National Symposium on HPLC and other Separation Techniques ' 25 to 27 May 2003 Ankara.

TUBA organized by " Affinity Separation in Biotechnology " Intensive Course on 3-5 November 2003 in Chemical Engineering Ankara

Hacettepe University Faculty of Medicine Medical Education Activities ' Optophysiology and Confocal Microscopy ' course 18-19 September 2004 in Ankara

Hacettepe University Faculty of Medicine Medical Education Activities ' Defining Basic Cell Culture Techniques and Practice of " 28 to 30 January 2005 Ankara .

Hacettepe University Faculty of Medicine Experimental Animal Research and Training Unit and Surgical Research Unit , organized by the ' Use of Laboratory Animal Course " 25.05.2005 Ankara .

Gulhane GATA Biochemistry and Clinical Biochemistry organized by AD Molecular Aging Workshop ' 21 to 22 November 2005 Ankara .

International Conference Actual Problems of Thalassemia Absheron hotel Baku Azerbaijan  
10-11May 2007.

Regulation of metabolism and metabolic regulation (Graduate summer school ) . Trabzon  
June 29 - July 6, 2008.

Çevre ve insan sağlığı için emanet 2013. II.Elektromanyetik alanlar ve etkileri sempozyumu.  
8-9 Kasım 2013 Yıldız Teknik Üniversitesi Oditoryumu/ Beşiktaş Kampüsü

Türkiye Üniversiteleri Sağlık Bilimleri Enstitüleri XXVIII. İstanbul Toplantısı 6 Mayıs 2016

### **Intern training:**

1 Hacettepe University Faculty of Medicine ( the elective internship ) drove from Faculty of  
Medicine and Faculty of Science Biology students with theoretical and practical training as an  
intern applications .

### **Congress commision**

1. The IFCC WorldLab Istanbul 22-26 June 2014 Congress Reviewing the abstracts on  
bioinformatics.
2. 3. Anti-Aging Congress in the session chaired by the Ankara Sheraton Hotel on 2-5  
December 2010.
3. 20th National Biochemistry Congress 29 October to 1 November 2008 Kapodokya -  
Nevsehir Chairmanship.
4. 3. National BIOMED Conference, Uludag University , 12-14 September 2007, served  
on the Scientific Committee.
5. 2. Affinity National Technical University Karaelmas Congress , 7-10 June 2006, the  
office in the Scientific Committee.

6. 1. National Affinity Technical Congress, Hacettepe University, 22-24 June 2005, the office in the Scientific Committee.
7. 19th National Congress of Clinical Biochemistry, enzymology did Workshop on Practical Presentation on display as spectrophotometric enzyme activity of 22 to 25 April 2005 Antalya.
8. BIOMED 2004 11th International Biomedical Science and Technology Days. Ankara, BAPO6 September 6-10, 2004 , I worked in the Scientific Committee.

**Full member/ Alternate member in the thesis defense exams:**

1 Hacettepe University Institute of Health Sciences Biochemistry Department Program July 22, 2003 and MSA / 2003-572 dated generated by the decision and exams September 29, 2003, Pinar Akpınar 'in' peripheral blood lymphocytes in the investigation of the measles virus receptor titled Master of Science reserves the thesis I worked as a jury member.

2 Hacettepe University Faculty of Health Sciences, Institute of Biochemistry, Department of Programs Ali Clients in the 'Rat purification of glucose-6-phosphate dehydrogenase enzyme from the small intestine and investigation of some kinetic properties' I worked as a member of reserve judges titled Master of Science thesis.

3. Hacettepe University Institute of Medical Sciences MSA / with 2004-020 decree of Biochemistry, Department of Program Berivan Tandogan 's' from lamb kidney cortex, the purification of glucose-6-phosphate dehydrogenase and the detection of some properties' I worked is Master of Science thesis as the thesis adviser.

4. Cukurova University Institute of Health Science Education and Examination Guidelines 's in accordance with Article 51'  $\alpha$ -thalassemia and 29.01 in his doctoral dissertation at the molecular level examinations from examination of those mutations cause G6PD deficiency. I worked as a jury member in 2004.

5. Cukurova University Institute of Health Science Education and Examination Guidelines' s Article 51 in accordance with 'Anamur district of glucose-6-phosphate dehydrogenase enzyme structure and molecular feature' doctoral thesis examination has worked as a member of replacement judges on 30.01.2004.

6. Hacettepe University Health Sciences Institute of Biochemistry, Department of Program doctoral student Incilay Sinica's board of directors to conduct thesis defense exam on 28 May 2004 and MSA / 2004-427 decree created with the jury reserve members Date: July 9, 2004.

7. Ankara University Institute of Health Sciences Medical Biology Department of Nur Öztan Kandas Prostate selenium thioredoxin effect on reductase in the prevention of cancer: cells in the prostate cell proliferasyonu the apoptosis proteins bought expression profiles of in vitro studies is serving as a full member in the PhD thesis defense. March 13, 2007.

8. Hacettepe University Health Sciences Institute of Biochemistry, Department of Ahmet Flag purified human serum paraoxonase enzyme kinetic properties, the investigation of endogenous substrates and antioxidant properties, I worked as a member of the noble in his PhD thesis defense. September 15, 2008.

9. Hacettepe University Institute of Health Sciences Department of Biochemistry Tulin give the kinetic properties of the Flag of the Rabbit Liver enzyme paraoxonase endogenous substrates and to investigate the antioxidant properties of the PhD thesis defense reserve members. February 4, 2009.

10. Ankara University Institute of Health Sciences Department of Medical Biology in sperm-egg fusion Gülçin Pekkurnaz phosphatidylserine release and noble role is to serve as a member of PhD thesis defense. March 30, 2009.

11. Cukurova University Health Sciences Institute of Education and Examination Guidelines 'Mother and fetal nucleic acid in prenatal diagnosis application in blood' Ebru Dunder Dissertation exam I worked as a jury member. 13/05/2010

12. Ankara University Faculty of Health Sciences Institute of Medical Biology Department at the Handan Kayhan served as alternate members of the PhD thesis defense. 09.07.2010.



13 Hacettepe University Institute of Health Sciences MSc and PhD entrance exam I took part in as a jury. February 2010.

14. Cukurova University Health Sciences Institute of Education and Examination Guidelines 's Mother and fetal nucleic acid in prenatal diagnosis application in blood' Ebru Dunder Dissertation exam I worked as a jury member. 04/11/2010

15. Hacettepe University Health Sciences Institute Faculty of Pharmacy Zeynep Sezgin 's Phenoxazin and evaluate the region-directed mutagenesis method of phenothiazine made ligands from binding to human butyrylcholinesterase I worked as a jury member in the Master's exam. 2012.

16. Joint Project assembly Joint Scientific Workshop TUBITAK SAS on Research Cooperation TUBİTAK TÜSSİDE 14-15 April 2015.