

CURRICULUM VITAE

(23 November 2015)

Name and Surname : Nazmi ÖZER

Birth Date : 15. 08. 1945

Education : Professor

Degree	Department / Program	University	Year
BS	Chemistry	Middle East Technical University	1969
MSc	Molecular Biology Program	Middle East Technical University	1971
PhD	Biochemistry	Hacettepe University	1974
Assoc. Professor	Biochemistry	Hacettepe University	1979
Medical Specialist	Clinical Biochemistry	Hacettepe University	1982
Professor	Biochemistry	Hacettepe University	1988

Supervisors of MSc Thesis : Dr. Marcel Bastin and Dr. Morris Green

1971 MSc Thesis : "*Identification of a leucine transport system in Jerusalem Artichoke tuber slices*", (summary attached) Department of Life Sciences, Faculty of Arts and Sciences, METU, Ankara, Turkey.

Supervisor of PhD Thesis : Associate Professor Gönenç Ciliv, MD, PhD

1974 PhD Thesis : "*Purification and kinetic properties of cyclic nucleotide phosphodiesterases from bovine cortex*", (summary attached) Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

Supervisor of Medical Specialist Thesis : Associate Professor Konçuy Mergen, MD, PhD

1982 Medical Specialist Thesis : "*The creatine phosphokinase and isozymes' levels in the sera of the patients with myocardial infarction*", (summary attached) : Department of Biochemistry, Faculty of Medicine, Cumhuriyet University, Sivas, Turkey.

1986 Radioimmunoassay Certificate (RIA): Dr. Zekai Tahir Burak Gynecology Hospital, Ankara, Turkey.

ACADEMIC CAREER :

TITLE	POSITION	YEARS
Research Assistant	Biochemistry, Medical Faculty, Hacettepe University	1971-1974
Research Assistant, PhD	Max-Planck Institute, Göttingen, Germany	1974-1976
Research Assistant, PhD	Biochemistry, Medical Faculty, Hacettepe University	1976-1983
Associate Professor	Biochemistry, Medical Faculty, Hacettepe University	1983- 1988
Professor	Biochemistry, Medical Faculty, Hacettepe University	1988-2011
Professor	Biochemistry, Medical Faculty, HU/NEU	2008-2011
Professor	Biochemistry, Medical Faculty, Near East University	2011-

SUPERVISED MASTER THESIS :

1979-1980 Kamer Kiliç: "*Human erythrocyte pyruvate kinase: purification and kinetics of modification with 2,3-butanedione*", Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1982-1984 N. Leyla Açı: "*Bromopyruvate modification of human erythrocyte modification*", Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1984-1986 Nelin Gömülü: "*Partial purification of sheep liver M2 and L type pyruvate kinases and some kinetic properties*", Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1988-1990 N. Nuray Ulus: "*Purification and some properties of glutathione S-transferases from human placenta*", Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1990-1992 Yasemin Aksoy: "*Purification and some properties of glucose-6-phosphate dehydrogenase from human placenta*", Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1993-1995 Meltem Müftüoğlu: *"The in vitro effects of antimalarial drugs on the thiol redox potential of the human erythrocytes"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

2006-2008 Arın Doğan: *"The effects of Human Cockayne Syndrome B Protein on the Neil1 Enzyme Activities"*, October 2008, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

2008-2010 Betül Can: *"Purification, substrate and inhibitor kinetics of glutatyon reductase from rat kidney"*, 4 February 2010, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

SUPERVISED PHD THESIS :

1978-1979 Nuriman Özgüneş: *"Some properties of adenylate cyclase from sheep brain"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara Turkey.

1980-1983 Kamer Kiliç: *"Human erythrocyte pyruvate kinase: active site directed modification and kinetic properties"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1990-1992 Şebnem Kösebalaban: *"Partial purification and kinetic properties of pyruvate kinase from human placenta"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1990-1992 Cumhuri Bilgi: *"Purification and some properties of glucose-6-phosphate dehydrogenase from dog liver"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1996-1999 Yasemin Aksoy: *"In vitro study of the thiol redox potential protection factors in human erythrocytes"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

1997-2001 Meltem Müftüoğlu: *"Consequences of site-directed mutations in the helicase domains of the Cockayne syndrome group B gene"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

2003-2006 Gülnihal Kulaksız: *"The determination of the role of xeroderma pigmentosum group E protein in nucleotide excision repair mechanisms"*. Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

2003-2008 Özlem Dalmızrak: *"The effect of insulin receptor substrate 1 protein on the type 1 insuline-like growth factor receptor mediated promotor activation and transformation in mammary gland cancer cells"*, Department of Biochemistry, Faculty of Medicine, Hacettepe University, Ankara, Turkey.

FUNCTIONS IN PROJECTS :

1. Dincsoy, G., Dalmizrak, O., Kulaksiz, G., Dogan, A., **Özer, N.** (Associate researcher) Ögüs, İH (Project director), H.Ü.B.A.B. Project No. 07D06101001; “*The purification of glutathione S-transferases from rat brain and small intestines and the determination of binding properties of hipericin and tricyclic antidepressants to isozymes*” (October, 2010).

2. Project completed: **Özer, N.** (Project director), Ogüs, İ.H., Müftüoglu, M., Dalmizrak, O., Ercan, A., Kulaksiz, G., İnan, L. E., Tunc, T. (27 Temmuz 2004) “*Determination of the mitochondrial electron transport enzyme levels and mtDNA mutations in the muscles of patients with İdiopatic parkinson disease*” Hacettepe University ABAB Project, No. 02G112.

2. Project completed: **Ozer, N.** (Project director), Ogüs, İ.H., Müftüoglu, M., Dalmizrak, O., Kulaksiz, G., Ercan, A. (Temmuz 2004) “*Determination of the relation of the mitochondrial ND2 and ND4 mutations and gen expressions levels with the complex I activity in patients with Parkinson disease*”. Turkish Scientific and Technical Research Council Project, SBAG-2596.

3. Project completed: **Ozer, N.** (Project director), Ogüs, İ.H., Müftüoglu, M., Dalkara, T., Elibol, B., Dalmizrak, O. (2002) “*Determination of mitochondrial DNA mutations in Parkinson disease*” Hacettepe University AFP Project, No. 0002101001.

4. Project completed: **Ozer, N.** (Project director), Ogüs, İ.H., Müftüoglu, M., Aksoy, Y., Dalmizrak, O. (2002) “*The effects of oxidative agents on mammalian mitochondrial DNA and the determination of their effects on the relation of mitochondrial heteroplasmy level and cellular aging*” Turkish Scientific and Technical Research Council Project, TBAG-1754.

5. Project completed: **Ozer, N.** (Project director), Ogüs, İ.H., Aksoy, Y. (1997) “*Determination of the factors affecting cellular metabolic activity and adenylate energy charge*”, DPT-TÜBİTAK-Technology Project, TBAG-1554.

6. Proje completed: **Ozer, N.** (Project director), Ozer, İ.(1991) “*L and M2 Type Kinases from Sheep Liver*”, TÜBİTAK-TAG-572.

ADMINISTRATIVE CAREER :

1984-1998 Hacettepe University, Medical Faculty, Director of Multidiplinary Laboratories

1994-1996 Ministry of Health, President of the Refik Saydam National Control Laboratories

2008 – Near East University, Medical Faculty, Multidisiplinary Laboratory Director

2008 - Near East University, Member of the Executive Board of the Graduate School

2008 – 2014 Near East University, Medical Faculty, Phase I Coordinator (English Group)

2010 - 2013 Near East University, Medical Faculty, Phase II Coordinator

2011- Near East University, Medical Faculty, Medical Biochemistry President

2011-2014 Near East University, Medical Faculty, President of Department of Basic Medical Sciences

2013 - 2014 Near East University, Medical Faculty, Phase I Coordinator (Turkish Group)

2013 - Near East University, Senate Member

MEMBERSHIPS TO SCIENTIFIC ORGANIZATIONS :

- Turkish Biochemical Society (TBS)
- International Union of Biochemistry and Molecular Biology (IUBMB)
- International Federation of Clinical Chemistry-Laboratory Medicine (IFCC-LM)
- Federation of European Biochemical Societies (FEBS)
- European Federation of Laboratory Medicine (EFLM)
- Balkan Clinical Laboratory Federation (BCLF)
- World Association Societies of Patalogy and Laboratory MedicineDünya (WASPaLM)
- TBS General Secretary 1977-1986
- TBS General Secretary 1988-1990
- TBS President : May 1990 - May 2000 and May 2002 – May 2015
- TBS External Quality Control Program President 1992 - 2000
- 31. FEBS Congress President (2006)
- FEBS President - Elect (2007)
- FEBS President (2008)
- BCLF Congress President (2003, 2007, 2014)
- President of TBS Congresses (XI. – XXV; 1991 - 2014)
- President of IFCC WorldLab 2014
- President of the 41st FEBS Congress (2016)
- FEBS President - Elect (2017)
- FEBS President (2018)

CONGRESS EXPERIENCE :

- 1977-89 Congress Secretary of the II-VII and IXth (1989) National Meetings (with international participation) of the TBS.
- 1981 Congress Secretary of the IV. Balkan Biochemical and Biophysical Days, Istanbul.
- 1983 Organization Committee Member of the "Molecular Biology Summer School" sponsored by the Scientific and Technical Research Council of Turkey, held in Canakkale, Turkey.
- 1988 Organization Committee Member of IUB Workshop on "Education in Biochemistry", Ankara.
- 1991 Honorary President of IUBMB Education Meeting on "Modern Biochemical Science and Biochemical Education" and "Xth National Meeting of Biochemistry" held in Izmir, Turkey.
- 1992 President of the "XI. National Meeting of Biochemistry" with international participation held in Antalya, Turkey.
- 1993-96 Biology Olympics Lecturer of Scientific and Technical Research Council of Turkey.
- 1994 President of the "XII National meeting of Biochemistry" with international participation, held in Istanbul, Turkey.
- 1996 President of the "XIII National meeting of Biochemistry" with international participation, held in Antalya, Turkey.
- 1997 President of the "XIV National Meeting of Biochemistry and Automation in the Clinical Laboratories" with international participation, held in Izmir, Turkey.
- 1998 President of "Biochemical Education in the Year of 2000: Problems and Solutions" organized by IUBMB and TBS, held in Ankara, Turkey.
- 1999 President of "The First International Biosciences Days: I. Balkan Biosciences Days; XV. National Meeting of Biochemistry and Automation in the Clinical Laboratories-II" , held in Antalya, Turkey.
- 2000 President of the Scientific Committee of International Biology Olympics.
- 2003 President of the 13th Balkan Biochemical Biophysical Days and Meeting on Metabolic Disorders, 12-15 October, Pine Bay Hotel, Kusadası /İzmir.

- 2004 President of the “XVIIIth National Meeting of Biochemistry”, held in Trabzon, Turkey.
- 2006 Chairperson of the “31st FEBS Congress”, is going to be held at 24-29 June, 2006, Istanbul, Turkey
- 2007 Chairperson of the “15th BCLF Congress”, is going to be held at 4-7 September, 2007, Antalya, Turkey.
- 2008 Chairperson of the “XIXth National Meeting of Biochemistry”, is going to be held at 29th October-1st November, 2008, Kapadokya, Nevsehir, Turkey.
- 2009 Chairperson of the “XXIst National Meeting of Biochemistry”, is going to be held at 28th -31st October, 2009, Military Museum, Istanbul, Turkey..
- 2010 Chairperson of the “XXIInd National Meeting of Biochemistry”, is going to be held at 27th – 30th October, 2010, Eskisehir, Turkey.
- 2011 Chairperson of the “XXIIIrd National Meeting of Biochemistry”, is going to be held at 28th November-02 December 2011, Hilton Hotel, Adana, Turkey.
- 2012 Chairperson of the “XXIVrd National Meeting of Biochemistry”, is going to be held at 25th – 28 September 2012, Dedeman Hotel, Konya, Turkey.
- 2014 President of the “IFCC WorldLab2014”, at 22nd -26th June 2014, ICC, Istanbul, Turkey.
- 2016 President of “41st FEBS Congress”, 03 – 08 September, 2016, Epesus/Kusadasi, Aydin, Turkey.

EDITORIAL MEMBERSHIPS :

1. Excerpta Medica (Croatian Society of Clinical Chemistry)
2. "Current Topics in Biophysics' Editorial Board Member". Editors: Petre T.. Frangopol, Mircea Sanduloviciu and Jeremy Smith.
3. Turk Hijyen Dergisi (Refik Saydam Hıfzısıhha Presidency)
4. "Türk Biyokimya Dergisi-Turkish Journal of Biochemistry" published by the Turkish Biochemical Society
5. "Turkish Journal of Biology" published by the Scientific and Technical Research Council of Turkey.

6. "Turkish Journal of Medical Research" published by Turkish Clinics Foundation.
7. "Medical Journal of Ankara Hospital" published by Ankara Medical Hospital.

AWARDS :

- **1974-1976 DFG**, Max-Planck Institut für Experimentelle Medizin, Göttingen, Germany.
- **1985 Challenge Award**, Scientific and Technical Research Council of Turkey.
- **1986 FEBS Short Term Scholarship**, Arrhenius Laboratory, Stockholm, Sweden.
- **1987 NATO Collaborative Project** with Dr. Roberta F. Colman, Department of Chemistry and Biochemistry, Delaware University, USA.
- **1986-88 Turkish Scientific and Technical Research Council Project. TAG-572:** *"Structure / Function Relationships Between L and M2 Type Pyruvate Kinases"*.
- **1992-97 Government Planning Office-Turkish Scientific and Technical Research Council Project, Technology Project. TBAG-1554:** Identification of the Factors Determining Cellular Metabolic Activity and Adenylate Energy Charge.
- **1993 NATO Senior-Level Scholarship**, CRC Molecular Toxicology and Biochemistry Group, Department of Biochemistry, University College of London (UCL), England.
- **1999-2000 NOVARTIS** pharmaceutical Technology Research Awards (**Birincilik**).
- **1999-2002 Turkish Scientific and Technical Research Council Project, TBAG-1754:** *"Oksidatif ajanların memeli mitokondri DNA'sı üzerindeki etkileri ve bu etkilerin mitokondriyel heteroplazmi düzeyi ve hücre yaşlanması ile ilişkilerinin araştırılması"*.
- **2000-2002 Hacettepe University Research Fund Project, 0002101001:** Detection of mt-DNA mutations in Parkinson's disease.
- **2002-2004, SBAG 2596 Project:** *"Mitochondrial ND2, ND4 mutations, expressions and their relations with Complex I activity in patients with Parkinson's disease"*.
- **2003-2004, Hacettepe University-Scientific Research Unit Project:** *"Determination of the mitochondrial respiratory enzyme activity levels and mt-DNA mutations in the muscle tissues of the patients with idiopathic parkinson disease"*.

TRAINING AND RESEARCH ACTIVITIES :

A. TRAINING ACTIVITIES : Training activities for last two years (Undergraduate and Graduate level courses)

A1. Undergraduate courses: Theoretical and practical courses

A1a. Undergraduate theoretical courses (Phase I): Principles of Bioenergetics, ATP Cycle, Problem Solving (Bioenergetics), Introduction to Enzymes, Enzyme Kinetics, Enzymes in Diagnosis, Enzyme Deficiency and Anemia, Principles and Use of Spectrophotometry, Glycolysis, Entry of other mono-, di- and polysaccharides into Glycolysis, Metabolic and Hormonal Control of Glycolysis.

A1b. Undergraduate practical courses (Lab: Phase I): Introduction to Biochemistry Laboratory and Laboratory Safety, Acids, Bases, Buffer Preparation and Buffer Capacity Measurement, Colorimetry, Enzymes I: Characterization, Enzymes II: Substrate and Inhibition Kinetics, Transamination : Paper Chromatography, Separation of Biomolecules: Column Chromatography.

A1c. Undergraduate theoretical courses (Phase II): Detoxification, DNA repair.

A1d. Undergraduate practical courses (Lab: Phase II): Digestive Enzymes, Effects of Diet on the Excretion of Urinary Compounds.

A1e. Undergraduate theoretical courses (Phase III): Tissue Injury and Trauma.

A2. Post-graduate courses: Theoretical and practical courses

A2a. Master level courses: Introduction to Biochemistry – I, Introduction to Biochemistry – II, Biochemical data analysis, Quantitative problems in Biochemistry, Introduction to Biochemistry Laboratory, Seminar, Research Technics in Biochemistry –I, Research Technics in Biochemistry –II.

A2b. PhD level courses : Protein Biochemistry and Proteomics, Biochemistry of Cancer, Biochemical Kinetics, Enzyme Kinetics, Biochemistry of Hormones, Oxygen Radical in biological Systems, Clinical Laboratory Technics - I, Clinical Laboratory Technics - II.

RESEARCH ACTIVITIES : Publications

A. Publications in international journals :

A1. Yetkin O, Dalmizrak O, Ogus, IH, **Ozer N. (2015)** “The study of the kinetic behavior of horse serum butyrylcholinesterase with fluoxetine” (Manuscript in preparation).

- A2. Dalmizrak O, Kulaksiz-Erkmen G, **Ozer N.** “*Fluoxetine – induced toxicity results in human placental glutathione S-transferase- π dysfunction*”. Drug and Chemical Toxicology (Revised manuscript submitted).
- A3. Turk S., Kulaksiz-Erkmen G, Dalmizrak O, Ogus IH, **Ozer N.** (2015) “*The Photosensitizer Molecule Hypericin Inhibits Human Erythrocyte Glutathione S-Transferase Pi in vitro*”. The Protein Journal (November 20, 2015; Accepted for publication), DOI : 10.1007/s10930-015-9638-6.
- A4. Kulaksiz-Erkmen G., Dalmizrak O., Dincsoy-Tuna G., Dogan A., Ogus IH, **Ozer N.** (2013) “*Amitriptyline may have a supportive role in cancer treatment by inhibiting Glutathione S-Transferase pi (GST-p) and alpha (GST- α)*”. Journal of Enzyme Inhibition and Medicinal Chemistry, 28(1), 131-6. DOI 10.3109/14756366.2011.639017.
- A5. Dalmizrak O, Kulaksiz-Erkmen G, **Ozer N.** (2012). “*Evaluation of the in vitro inhibitory impact of hypericin on placental glutathione S-transferase pi*”. The Protein Journal, 31 (7), 544-9 DOI doi: 10.1007/s10930-012-9433-6.
- A6. Dalmizrak, O., Kulaksiz-Erkmen, G., **Ozer, N.** (2012) “*Possible prenatal impact of sertraline on human placental glutathione S-transferase-pi*”. Hum Exp Toxicol 31 (5): 457-464. Published online 5 December 2011 (DOI: 10.1177/0960327111429585).
- A7. Kulaksiz-Erkmen, G., Can, B., Dalmizrak, O., Ogus, I.H., **Ozer, N.** (2012) “*The effect of glycerol in the storage medium on the inhibitory kinetic behavior of glutathione reductase*”. Arch. Biol. Sci., Belgrade, 64 (1): 239-247.
- A8. Dalmizrak, O., Kulaksiz-Erkmen, G., **Ozer, N.** (2011) “*The inhibition characteristics of human placental glutathione S-transferase-p by tricyclic antidepressants: amitriptyline and clomipramine*”. Mol Cell Biochem 355(1-2): 223-231.
- A9. Dalmizrak, O., Erkmen, G.K., **Ozer, N.** (2011) Response to Ni et al.: “*The possible use of hypericin to overcome drug resistance in cancer treatment*”. Chem Biol Interact. (2011), 190(2-3):190.
- A10. **Ozer, N.** (2011) “*Postgraduate education in Turkey and the contribution of Turkish Biochemical Society*”. Tr J Bioch 36 (Supplement 1): 13-16.
- A11. Tuna, G., Erkmen, G.K., Dalmizrak, O., Dogan, A., Ogus, I.H., **Ozer, N.** (2010) “*Inhibition characteristics of hypericin on rat small intestine glutathione-S-transferases*”. Chem Biol Interact. 188(1): 59-65. Epub 2010 Jul 14. PMID: 20637187.
- A12. Can, B., Kulaksiz-Erkmen, G., Dalmizrak, O., Ogus, I.H., **Ozer, N.** (2010) “*Purification and characterisation of rat kidney glutathione reductase*”. Protein J. 29(4): 250-6. PMID:20490902.
- A13. Ozdemir, B., Karaduman-Ozcan, B., Al, T., Ayhan, E., **Ozer, N.**, Us, D. (2009) “*Lactoferrin in gingival crevicular fluid and peripheral blood during experimental gingivitis*”. Eur. J. Dent. 3(1): 16-23. PMID: 19262727.

- A14. Ercan, A., Kulaksız, G., Dalmızrak, O., Muftuoglu, M., Ogus, H., Cavdar, L., Inan, L., **Ozer, N. (2009)** “*Mitochondrial respiratory chain enzyme activities, mtDNA variants and gene expression levels in idiopathic Parkinson’s disease*”. Tr. J. Biochem. 34 (2): 97-104.
- A15. **Ozer, N. (2009)** “*Interaction of placental glutathione S-transferase and antidepressants*”. Balkan Journal of Clinical Laboratory XVII (1) pp. 34-35. (17th Meeting of Balkan Clinical Laboratory Federation, 16-19 September, Ohrid, Macedonia).
- A16. **Ozer, N. (2008)** “*The history of biochemistry in Turkey and the Turkish Biochemical Society*”. IUBMB Life 60(5): 258-9. PMID: 18421782.
- A17. Bodur, E., Yildiz, O., Ozer, N., Cokugras, A.N. (2008) “*Steady-state kinetics of rat intestinal butyrylcholinesterase*”. Tr. J. Bioch. 33 (2): 41-44.
- A18. Pinar, A., Acan, N.L., **Ozer, N. (2008)** “*Partial purification of topoisomerase I from Mycobacterium phlei*”. Tr. J. Med. Sci. 38(3): 251-6.
- A19. Yucel, D., **Ozer, N.**, Hasirci, V. (2007) “*Constraction of a choline biosensor through enzyme immobilizat,ion on a poly(2-hydroxyethyl metacrylate) grafted Teflon film*”. Journal of Applied Polymer Science 104, 3469–3477.
- A20. Türkoglu, O.F., Eroglu, H., Okutan, O., Bodur, E., Sargon, M. F., **Ozer, N.**, Oner, L., Beskonakli, E. (2005) “*The efficiency of dexamethasone sodium phosphate – encapsulated chitosan microspheres after cold injury*”. Surgical Neurology 64, 11 – 16.
- A21. Ceyhan, D., Danısan, A., Ogüs, H., **Ozer, N. (2005)** “*Purification and kinetic properties of 6-Phosphogluconate Dehydrogenase from Rat Small Intestine*”. The Protein Journal 24 (5), 293-301.
- A22. Aksoy, Y., Ozden, S., Metin, A., Tezcan, İ., Ersoy, F., Ogüs, İ.H., **Ozer, N. (2004)** “*Antioxidant enzymes in red blood cells and lymphocytes of ataxia-telangiectasia patients*”. Tr. J. Pediatrics 46, 204-207.
- A23. Danısan, A., Ceyhan, D., Ogüs, H., **Ozer, N. (2004)** “*Purification and characterization of glucose-6-phosphate dehydrogenase from rat small intestine*”. The Protein Journal 23(5) 317-324.
- A24. Yıldız, O., Bodur, E., Cokugras, A. N., and **Ozer, N. (2004)** “*Partial purification and characterization of soluble isoform of butyrylcholinesterase from rat intestine*”. J. Prot. Chem. 23(2) 143-151.
- A25. Müftüglu, M., Elibol, B., Dalmızrak, O., Ercan, A., Kulaksız, G., Ogüs, I. H., Dalkara, T., and **Ozer, N. (2003)** “*Mitochondrial Complex I and Complex IV activities in Leukocytes from patients with Parkin mutations*”. Movement Disorders 19(5) 544-548.
- A26. Baran, E.T., **Ozer, N.**, Hasircı, V. (2003) “*Solid-phase enzyme modification via affinity chromatography*”. J. Chromatogr. B Analyt Technol Biomed Life Sci. 794 (2): 311-322.

- A27. Aksoy, Y., Ogüs, İ.H., **Ozer, N. (2003)** "The effect of t-butylhydroperoxide on the thiol redox status in human erythrocytes and the protective role of glucose and antioxidants". Tr. J. Chem. 27 (4), 433-443.
- A28. Oztas, O.M., Balk, M., Bozkurt, M., Ogüs, E., Ogüs, İ.H., **Ozer, N. (2003)** "The role of free oxygen radicals in etiopathogenesis of rosacea". Clin. Exp. Dermatol. 28(2), 188-192.
- A29. Baran, E. T., **Ozer, N.**, Hasırcı, V. (2002) "In vivo-half life of nanoencapsulated L-asparaginase". J. Materials Sci. – Materials in medicine 13 (12): 1113-1121.
- A30. Baran, E.T., **Ozer, N.**, Hasırcı, V.N. (2002) "Poly(hydroxy-co-hydroxyvalerate) nanocapsules as enzyme carriers for cancer therapy: an in vitro study carriers of proteins". J. Microencapsulation 19 (3): 363-376.
- A31. **Ozer, N.**, Bilgi, C., Ogüs, İ.H., (2002) "Dog liver glucose-6-phosphate dehydrogenase: Purification and kinetic properties". Int J Biochem Cell Biol. 34 (3): 253-62.
- A32. Acan, N. L., **Ozer, N. (2001)** "Modification of human erythrocyte pyruvate kinase by active site-directed reagent: Bromopyruvate". J. Enzyme Inhibition 16, 457-464.
- A33. Aksoy, Y., Ogüs, İ.H., **Ozer, N. (2001)** "Purification of human placental glucose-6-phosphate dehydrogenase". Protein Exp. Purif. 21(2): 286-292.
- A34. **Ozer, N.**, Aksoy, Y., Ogüs, İ.H. (2001) "Kinetic properties of human placental glucose-6-phosphate dehydrogenase". Int. J. Biochem. Cell Biol. 33(3), 221-226.
- A35. **Ozer, N.**, Ogüs, İ.H. (2001) "Evidence for a hybrid ping pong-semirandom mechanism for human jejunal glutathione disulfide reductase". Tr. J. Chemistry 25(1): 55-61.
- A36. Eroglu, H., Kas, H. S., Oner, L., Türkoglu, O.F., Akalan, N., Sargon, M. F., **Ozer, N. (2001)** "The in-vitro and in vivo characterization of PLGA:L-PLA microspheres containing dexamethasone sodium phosphate". J. Microencapsulation 18 (5), 603-612.
- A37. Eroglu, H., Kas, H. S., Oner, L., Türkoglu, O.F., Akalan, N., Sargon, M. F., **Ozer, N.**, Hincal, A. A. (2000) "In vitro/in vivo characterization of bovine serum albumin microspheres containing dexamethasone sodium phosphate". S.T.P. Pharma Sci. 10 (4): 303-308.
- A38. **Ozer, N.**, Aksoy, Y., Ogüs, İ.H. (2000) "New sample preparation method for the capillary electrophoretic determination of adenylate energy charge in human erythrocytes". J. Biochem. Biophys. Meth. 45 (2), 141-146.
- A39. **Ozer, N.**, Müftüoğlu, M., Ataman, D., Ercan, A., Ogüs, İ.H. (1999) "Simple, high-yield purification of xanthine oxidase from bovine milk". J. Biochem. Biophys. Methods 39(3): 153-159.
- A40. Ogüs, İ.H., Balk, M., Aksoy, Y., Müftüoğlu, M., **Ozer, N. (1998)** "The effects of oxidative stress on the redox system of the human erythrocyte" in "Free Radicals, Oxidative Stress and Antioxidants: Pathological and Physiological Significance" (Tomris Ozben, Ed.) NATO ASI Series, Plenum Press, Life Sciences Vol. 296, pp. 15-24.

- A41. **Ozer, N. (1998)** *"Difficulties of developing countries in obtaining new technologies: Special emphasis on Balkan Countries"*. NATO Advanced Research Workshop (ARW) on Science and Technology Management, IOS Press, NATO Science Series Vol. 22, pp. 23-26.
- A42. Ogüs, İ.H., **Ozer, N. (1998)** *"Purification of NADPH free glutathione disulfide reductase from human erythrocytes"*. Protein Expression and Purification 13(1): 41-44.
- A43. **Ozer, N.**, Müftüoğlu, M., Ogüs, İ.H. (1998) *"A simple and sensitive method for activity staining of xanthine oxidase"*. J. Biochem. Biophys. Methods 36(2,3):95-100.
- A44. Yavuzylmaz, E., Yumak, O., Akdoğanlı, T., Yamalık, N., **Ozer, N.**, Ersoy, F., Yeniay, İ. (1996) *"The alterations of whole saliva constituents in patients with diabetes mellitus"*. Australian Dental Journal 41(3), 193-197.
- A45. Kosebalaban, S., Simsek, B., Ogüs, İ.H., **Ozer, N. (1994)** *"Partial purification and kinetic properties of human placental pyruvate kinase"*. Journal of Faculty of Pharmacy of Gazi University, 11(1), 61-72.
- A46. Meyer, D.J., Kramer, H., **Ozer, N.**, Coles, B., Ketterer, B. (1994) *"Kinetics and equilibria of S-nitrosothiol-thiol exchange between glutathione, cysteine, penicillamines and serum albumin"*. FEBS Letters 345(2-3): 177-180.
- A47. Yamalık, N., **Ozer, N.**, Caglayan, F., Caglayan, G. (1990) *"Determination of pseudocholinesterase activity in the gingival crevicular fluid, saliva, and serum from patients with juvenile periodontitis and rapidly progressive periodontitis"*. J. Dent. Res. 69(1), 87-89.
- A48. Yamalık, N., **Ozer, N.**, Caglayan, F., Caglayan, G. (1990) *"The effect of periodontal therapy on salivary pseudocholinesterase activity"*. J. Dent. Res. 70(6), 988-990.
- A49. **Ozer, N.**, Erdemli, O., Sayek, İ., and Ozer, İ. (1990) *"Resolution and kinetic characterization of glutathione S-transferases from human jejunal mucosa"*. Biochem. Med. Met. Biol. 44(2): 142-150.
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- C3. Müftüoğlu, M., **Ozer, N.** (1999) "Effect of primaquine on components of thiol redox system as studied in human erythrocyte lysates". Tr. J. Med. Sci. 29, 409-412.
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D9. Müftüoğlu, M., Dalmızrak, O., Oğüs, İ. H., **Ozer, N. (2002)** “*Oksidatif ajanların mitokondriyel heteroplazmi ve elektron transport zinciri kompleks I aktivitesine etkisinin araştırılması*”. I. Ulusal Tanıda Moleküler Teknikler Kongresi, 18-22 Nisan, Adana.

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D11. Balk, M., Oğüs, İ.H., Ozer, N. (1997) “*İnsan eritrositlerinde oksidatif stress ve antioksidanların tiyol redoks potansiyeli üzerine etkileri*”. XIV. National Biochemistry Congress, (With international participation)/ Abstract Book p.B 201, 28-31 Ekim, İzmir.

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