

CURRICULUM VITAE

1. **Name & Surname:** Günhan ERDEM

2. **Date of Birth:** May 16, 1964

3. **Title:** Professor

4. **Educational Background:**

Degree	Field of Study	University/Country	Date
BA	Biology	Hacettepe University/Turkey	1986
MA	Molecular Biology	Hacettepe University/Turkey	1988
PhD	Molecular Biology	Hacettepe University/Turkey	1993

Certificates:

1. First Step Fire Fighting Trainer. Continuing Education Center of Canakkale Onsekiz Mart University. 2014.

2. Search and Rescue Training Program Against Natural Disasters; International Universities Search&Rescue Council and Civil Defence Organization of Turkish Republic of Northern Cyprus. Lefkoşa-Girne/TRNC, June 10-15, 2013.

3. First Aid Trainer. Number of Certificate: 2011-61; T.C. Ankara Provincial Directorate of Health, Kurtaran Clinician First Aid Training Center; Ankara, Turkey. 2011.

4. Scuba Open Water Diver, PADI; Çanakkale, Turkey. 1999.

5. Isolation and Characterization of Proteins and Immunological Techniques. UNDP, TUBITAK and Hacettepe University Science Faculty Biology Department. Ankara, Turkey. June 29 – July 10, 1992.

5. Academic Titles Awarded:

Research Assistant	Molecular Biology	Hacettepe Univ.	1987-1996
Assistant Professor	Molecular Biology	Onsekiz Mart Univ.	1996-1998
Associate Professor	Molecular Cell Biology	Onsekiz Mart Univ.	1998-2003
Professor	Health College	Onsekiz Mart Univ.	2003-2014
Professor	Faculty of Health Sciences	Girne American Univ.	2014-cont.

6. Postgraduated Theses Supervised

6.1 MA Theses

1. Türe, F., "The Identification of Biological Weapons and The Importance for Our Country", Onsekiz Mart University, 2009.

2. İşler S., "The Effect of Electromagnetic Fields on Oxydative DNA Damage", Onsekiz Mart University, 2001.

3. Özkan, Ç., "The Frequency of The Extended Spectrum Beta-Lactamases in Selected *Escherichia coli* and *Klebsiella pneumoniae* Strains as an Effect of Nosocomial Infection" Onsekiz Mart University, 2001.

4. Ay, M., "Determination of The Corelation Between *Chlamydia pneumoniae* Portering and Apolipoprotein E Polymorphism in Patients with Acut Miyocardial Infarction" Onsekiz Mart University, 2001.

5. Erol, Ö., "The Effect of Electromagnetic Fields on Eukaryotic Transcription" Onsekiz Mart University, 2001.

6. Özcan, H., "Apolipoprotein E Genotyping in Patients with Coronary and Vascular Diseases" Onsekiz Mart University, 2000.

6.2 Doctoral Dissertations

1. Hüşan, UH, "The Evaluation of The Effectiveness of The Medical Treatments Against The Bioterrorism Risk and The Improvement of The Local Response", Onsekiz Mart University, 2010.

2. Erol Dayı Ö, "Oxidative Stres-Induced DNA Damage in Cell Culture and Protective Effects of Olive Oil", University of Istanbul, 2010 (2nd supervisor).

7. Publications

7.1 Articles

1. Banka S, Cain SA, Carim S, Daly SB, Urquhart JE, **Erdem G**, Haris J, Bottomley M, Donnai D, Kerr B, Kingston H, Superti-Furga A, Unger S, Enis H, Worthington J, Herrick AL, Merry CLR, Yue WW, Kielty CM, Newman WG. Leri's pleonosteosis, a congenital rheumatic disease, results from microduplication at 8q22.1 encompassing GDF6 and SDC2 and provides insight into systemic sclerosis pathogenesis. *Annals of the Rheumatic Diseases* Published Online First: 17 January 2014 doi:10.1136/annrheumdis-2013-204309.

2. Erol Ö, Arda N, **Erdem G**. Phenols of virgin olive oil protects nuclear DNA against oxidative damage in HeLa cells. *Food and Chemical Toxicology* 2012; **50**(10): 3475-9.

3. Yalçın S, **Erdem G**. Biological Effects of Electromagnetic Fields. *African Journal of Biotechnology* 2012; **11**(17): 3933-41.

4. Erol-Dayı Ö, Arda N, **Erdem G**. Protective effects of olive oil phenolics and gallic acid on hydrogen peroxide - induced apoptosis. *European Journal of Nutrition* 2012; **51**(8): 955-60.

5. Banka S, Cain S, Urquhart J, Carim S, Harris J, Daly S, **Erdem G**, Bottomley M, Donnai D, Kerr B, Kingston H, Kielty C, Newman WG. Leri's Pleonosteosis Results from Defective SMAD Signaling. *Journal of Medical Genetics* 2012; **49**(Supp. 1): S24.

6. Ay M, Dolek B, **Erdem G**, Devcioglu O, Gozukirmizi N. Is there any correlation between the elevated plasma levels and gene variations of factor VIII in Turkish thrombosis patients? *Clinical and Applied Thrombosis/Hemostasis* 2011; **17**: 46-50.

7. **Erdem G**, Bağrıaçık G, Güngör M, Kumru K. Sağlıklı bir toplum için sağlıklı birey. *Sağlıcakla* 2008; Sayı: 7 Ekim 2008: 6-11.

8. Erol Ö, **Erdem G**. The investigation of the effects of electromagnetic fields on yeast cells. *Turkish Bulletin of Hygiene and Experimental Biology* 2006; **61**(1,2,3): 23-28.

9. **Erdem G**, Oldacay S. Employment of RAPD technique to assess the genetic stability of *Helianthus annuus* treated with different mutagenic agents. *J Appl Sci* 2004; **4**(2): 277-281.

10. Oldacay S, **Erdem G**. Distribution HLA antigens in tuberculosis patients. *Tr J Infection* 2004; **18**(1): 39-44.

11. Oldacay M, Oldacay S, **Erdem G**. Seropositivity for Hepatitis B and C viruses, human immunodeficiency virus and syphilis in blood donors: Experience of the Çanakkale state hospital. *Tr J Infection* 2004; **18**(1): 11-15.

12. Ay M, **Erdem G**. *Chlamydia pneumoniae* portering and apolipoprotein E polymorphism as possible risk factors for acute myocardial infarction *tr J Infection* 2003; **17**(2): 155-8.

13. Oldacay M, Oldacay S, **Erdem G**. Chromosomal beta-lactamase production in nosocomial *Pseudomonas aeruginosa* strains. *Tr J Infection* 2003; **17**(2): 197-9.

14. Erol Ö, Oldacay S, **Erdem G**. The reproduction behaviours of *Escherichia coli* and *Saccharomyces cerevisiae* strains at electromagnetic fields. *J Turkish Microbiol Soc* 2003; **33**(3): 191-6
15. Ay M, Oldacay M, **Erdem G**. *Chlamydia pneumoniae* and acute myocardial infarction. *J Turkish Microbiol Soc* 2003 **33**(2): 134-6.
16. Oldacay M, **Erdem G**. Investigation of HLA tissue types of the Turkish patients with oligoarticular juvenile rheumatoid arthritis. *J Clinical Lab* 2003; **2**(2): 20-30.
17. Oldacay S, Oldacay M, **Erdem G**. Antibacterial effect of human serum on *Pseudomonas aeruginosa* strains. *J Clinical Lab Res* 2003; **7**(3): 76-8.
18. İşler S, **Erdem G**. The effect of electromagnetic fields on oxidative DNA damage. *J Cell and Mol Biol* 2003; **2**(1): 35-8.
19. Oldacay S, **Erdem G**. Evaluation of chlorophyll contents and peroxidase activities in *Helianthus annuus* genotypes exposed to radiation and magnetic fields. *Pakistan Journal of Applied Sciences* 2002; **2**(10): 934-7.
20. Gümüřova SO, Oldacay M, **Erdem G**. Prevalance of HBsAg, Anti-HBs, Anti-HCv and Anti-HIV in different patient groups. *J Clinical Lab Res* 2002; **6**(2): 54-6.
21. Ay M, **Erdem G**. Acute myocardial infarction and *Chlamydia pneumoniae*. *J Clinical Lab Res* 2002; **6**(1): 21-4.
22. Özkan Ç, Oldacay M, **Erdem G**. Frequency of extended spectrum beta-lactamases in *Escherichia coli* and *Klebsiella pneumoniae* strains isolated from nosocomial infections. *J ANKEM* 2002; **16**(1): 65-8.
23. Oldacay M, **Erdem G**. The effect of sodium saccharin on the growth of *Escherichia coli*, *Proteus spp*, *Pseudomonas aeruginosa*, *Staphylococcus epidermidis*, *Staphylococcus aureus* and *Enterococcus faecalis*.”: *J Turkish Microbiol Soc* 2000; **30**(1-2): 35-7.
24. Kalaycıođlu A, **Erdem G**, Öner C. Observation of the antimutagenic potencies of plant extracts in *Salmonella typhimurium* strains TA98 and TA100. *Tr J Botany* 1997; **21**: 1-4.
25. Çetin S, **Erdem G**, Öđüş A. Purification and characterization of dehydroascorbate reductase from parsley leaves. *Tr J Biology* 1996; **20**: 55-64.
26. Zareie MH, **Erdem G**, Öner C, Öner R, Öđüş A, Piřkin E. Investigation of ascorbate-Cu(II) induced cleavage of DNA by scanning tunnelling microscopy. *International Journal of Biological Macromolecules* 1996; **19**: 69-73.
27. Öner R, Öner C, **Erdem G**, Balkan H, Özdađ H, Gürgey A, Altay Ç. A novel ($\delta\beta$)^o-thalassemia due to a ~30 kb deletion observed in Turkish family. *Acta Haematologica* 1996; **96**: 232-6.
28. **Erdem G**, Öner C, Önal A, Kısakürek D, Öđüş A. Free radical mediated interaction of ascorbic acid and ascorbate/Cu(II) with viral and plasmid DNAs. *Journal of Biosciences* 1994; **19**: 9-17.
29. **Erdem G**, Öner C, Öner R, Öđüş A. Chemical cleavage of human genomic DNA β - globin gene fragment by ascorbate in the presence of copper (II) ion. *Tr J Biology* 1994; **18**: 283-9.

7.2 Papers

1. **Erdem G** (2013). Career Development for Emergency Medical Technicians and Paramedics. *First International Emergency Medical Technicians and Paramedics Congress*, Kızılcahamam, Ankara, Turkey, November 23-24, 2013.
2. **Erdem G**, Erdem G (2012). The Impact of the Technological Infrastructure, in accordance with the Peer Education to the Higher Education Achievement. *International Higher Education Symposium: European Higher Education Network and Turkey's Trends*. Aksaray University, Aksaray, Turkey, October 17-19, 2012.

3. Elbistanlıoğlu B, **Erdem G** (2012). Evaluation of the Universities in Turkey and the European Union in terms of autonomy and the New University Management Model Proposal. *International Higher Education Symposium: European Higher Education Network and Turkey's Trends*. Aksaray University, Aksaray, Turkey, October 17-19, 2012.
4. **Erdem G**, Erdem G (2012). A Peer Education Model for the Preparing of an Emergency Action Plan. *8th International Congress of Qualitative Reseraches*. The University of Illinois, Urbana-Champaign, Illinois, USA, May 16-19, 2012.
5. Ersay A, Tanrıverdi G, Şener A, **Erdem G**, Kaya F (2009). Determine Current Knowledge and Behaviors of University Students Toward Healthy Sex Life And to Constitute a Positive Awareness on Them Regarding The Subject. 1st International congress on Nursing Education, Research&Practice. Thessaloniki, Greece, June 15-17, 2009.
6. Çakıcı H, **Erdem G** (2008). Traces of the Turkmen in Canakkale. *Symposium for The Values of Bayramiç: Symposiums for The Values of Çanakkale*, Canakkale Turkey, August 29, 2008; 91-96p in The Symposium Book.
7. **Erdem G** (2006). Medical Biotechnology in Turkey. *Congress on Biotechnology Century and Turkey*, Sabancı University, İstanbul, Turkey, June 3-4, 2006.
8. **Erdem G**, Hüşan HU (2006). A First, in Our Country: Undergrauated Programme of The Rescue and Emergency Management. 4th Congress for The Building and Informatics in The City, Informatics Association of Turkey, Ankara, Turkey, June 8-9, 2006.
8. Erol Ö, **Erdem G** (2002). The Effects of Electromagnetic Fields on *Saccharomyces cerevisiae*. *16th National Biology Congree*, Malatya, Turkey, code:P/243, p:166, 2002.
9. Tayyar Ş, Oldacay S, **Erdem G** (2001). RAPD Method (Random Amplified Polymorphic DNA) and Some Examples of This Technique in the Area of Plant Breeding. *12th Biotechnology Congree*, Ayvalık, Balıkesir, Turkey, code: PA 42, p:18, 2001.
10. Oldacay S, **Erdem G**, Tayyar Ş (2001). The Effect of Magnetic Fields on Sunflower (*Helianthus annuus* L.). *12th Biotechnology Congree*, Ayvalık, Balıkesir, Turkey, code: PA 61, p:33, 2001.
11. Oldacay S, **Erdem G**, Tayyar Ş (2001). Biotechnology and Health Services. *12th Biotechnology Congree*, Ayvalık, Balıkesir, Turkey, code: PS 53, p:130, 2001.
12. **Erdem G**, Öner C, Ögüş A (1994). Ascorbic Acid Oxydation and DNA Damage. *12th National Biology Congree*, Trakya University, Edirne, Turkey 1994.
13. **Erdem G**, Öner C, Öner R, Ögüş A (1993). Chemical Cleavage of Human Genomic DNA by Ascorbate in the Presence of Copper (II) Ion. *International Symposium on Antioxidants and Disease Prevention, Biochemical, Nutritional and Pharmacological aspects*, International Life Sciences Institute (ILSI) Europe, Stockholm, Sweden, 1993.
14. Çetin S, **Erdem G**, Ögüş A (1991). Purification and Characterization of Dehydroascorbate Reductase from Parsley Leaves. *7th Symposium of Chemistry and Chemical Engineering*, Turkish Republic of the Northern Cyprus, 1991.
15. Akin A, Önal A, **Erdem G**, Kısakürek D, Ögüş A (1991). The Specifications of Ascorbate Free Radical and Semidehydroascorbate Reductase. *7th Symposium of Chemistry and Chemical Engineering*, Turkish Republic of the Northern Cyprus, 1991.
16. **Erdem G**, Öner C, Ögüş A, Önal A (1991). The Effect of Proteins on λ -DNA Cleavage by Ascorbate/Cu(II) System. *The Turkish J Biochem Special Issue of 10th National Biochemistry Congree*, 15(2): 212-213, 1991.

17. **Erdem G**, Önal A, Kısakürek D, Ögüş A (1990). Interaction of Ascorbate Free Radical with DNA and Proteins. 34. *Hardan Conference; Free Radicals, Cell Growth, Disease and Repair Mechanisms*, The Biochemical Society, England, 1990.

18. Öner C, **Erdem G**, Ögüş A (1989). The Role of Ascorbate Free Radical in Cleavage of λ -DNA. *The Turkish J Biochem Special Issue of 9th National Biochemistry Congree*, 14(3): 72-73, 1989.

7.3 Books

1. **Erdem G**. Biochemistry (2006); Bedray Press, İstanbul ISBN: 978-975-5974-3-2. (in Turkish).

2. **Erdem G**. Embryology (2006); Bedray Press, İstanbul ISBN: 978-975-5974-4-9. (in Turkish).

8. Projects

1. Çabuk E, **Erdem G**, et al. The Implementation of Disaster Volunteers in the Villages of Çanakkale on Fault Line. Canakkale Provincial Disaster and Emergency Directorate, Project Advisor, 2014.

2. Newman W., **Erdem G**, "Identification of autosomal recessive disease genes by autozygosity mapping". Central Manchester University Hospitals NHS Foundation TRUST, Research Assistant, 15 June – 15 September 2011.

3. **Erdem G**, Erol E. "Oxidative Stres-Induced DNA Damage in Cell Culture and Protective Effects of Olive Oil": Onsekiz Mart University Research Fund, Project Leader, Project no: 2007/69, March 2007-2010.

4. **Erdem G**, Ay M. "Molecular Identification of Factor VIII Gene Region in Venous Thromboli Patients": Onsekiz Mart University Research Fund, Project Leader, Project no: 2006/42, January-2006-2009

5. **Erdem G**, Tayyar Ş., Oldacay, S., "Determination of Possible Genetic Variations in Sun Flower (*Helianthus annus*) Varieties Exposed to Gamma Radiation and Magnetic Fields by RAPD Technique": Onsekiz Mart University Research Fund, Project Leader, Project no: 2001/17, June-2001-2002.

6. **Erdem G**, Ay, M., "Determination of The possible Correlation Between ApoE genotypes and Lipid Peroxidation Products in Turkish Population": Onsekiz Mart University Research Fund, Project Leader, Project no: 2000/06, June-2000-2001.

7. **Erdem G**, Erol Ö., "The Effect of Electromagnetic Fields on Eukaryotic Transcription": Onsekiz Mart University Research Fund, Project Leader, Project no: 1999/15, June-1999-2001.

8. **Erdem G**, Aksoy, H., Ünal, F., Aytaç, Z., "Tacsonomic and Karyologic Investigation of *Ebenus* Species in Turkey": Onsekiz Mart University Research Fund, Project Leader, Project no: 1997/10, June-1997-1999.

9. **Erdem G**, "The Usage of the Oxydative Ascorbate Products as DNA Footprinting Reagent" TÜBiTAK-Basic Sciences Research Grant Committee, Project No: TBAG 1348, Project Leader January-1995-96.

10. Ögüş, A., **Erdem G**, "The Interaction of Oxydative Ascorbate Products with DNA and Proteins" Hacettepe University research Fund, Research Assistant, January-1995-97.

11. Öner, C., Öner, C., Altay, Ç., Gürgey, A., **Erdem G**, Ögüş, A., "The Investigation of Molecular Pathology of Hereditary Hemoglobin Disorders in Turkish Population". TÜBiTAK, medical Sciences Research Grant Committee Project No: TAG1218, Resercah Assistant, August-1993-96.

12. Ögüş, A., **Erdem G**, Öner, R., Atalay, A., "Human Eye Lens γ -Crystallins and Cataract Pathology" TÜBiTAK, Health Sciences Research Grant Committee, Project No: SBAG 1255, Research Assistant, November-1994-96.

13. Slingsby, C., Ögü, A., Palmer, R., **Erdem G**, Öner, C., Öner, R., "Oxidation and Cataract: Redox Reactions of Lens Crystallins with Vitamin C.": NATO International Scientific Exchange Programmes, Collaborative Research Grant, Research Assistant, July-1994-95.

14. Öğüş, A., Aksöz, E., **Erdem, G.**, "The Establishment of 'DNA Footprinting' Technique: The Investigation of New Chemical Reagents Cleave The DNA Molecules as DNA Footprinting Agents" Türkiye Atom Enerjisi Kurumu, Project No: TAEK 93603407, Research Assistant, October-1993-96.

15. Öğüş, A., **Erdem, G.**, "The Distributions of Dopamin β - Hydroxylase, Dehydroascorbate Redüctase and Ascorbic Acid in Guenae Pig Brain: The Regulative Role of Ascorbic Acid on Dopamin β - Hydroxylase Activity" Hacettepe University Research Fund, Project no: 88 04 007 001, Research Assistant, 1989-1991.

9. Other Academic and Scientific Activities

1. President of International Universities Search and Rescue Council, 2014-...(continuing).

2. Conference: How can we come into a resilient community against to disasters? Mustafa Kemal University, Hatay, Turkey. March 11, 2014.

3. Panelist in the Panel of Career Development for Paramedics. Canakkale Onsekiz Mart University Vocational High School of Health Services. Canakkale, Turkey. December 27, 2013.

4. The International Universities Search and Rescue High Coordination Council Meeting. Girne-TRNC, November 3-4, 2012.

5. Moderator and Panelist in the Panel of Higher Education Policies in the Light of Recent Developments. Başarı Education Foundation, Manavgat, Antalya October 21, 2012.

6. Integrated Disaster Management System. Airports Disaster and Emergency Management Training Seminars; Çanakkale, Turkey. May 28 – June 1, 2012.

7. Canakkale Province Disaster and Search&Rescue Exercise. Canakkale Provincial Disaster and Emergency Directorate, Canakkale, Turkey. May 8, 2012.

8. Workshop on The Establishment of International Universities Search&Rescue Council. Civil Defence Organization of Turkish Republic of Northern Cyprus. Lefkoşa/TRNC, April 24-27, 2012.

9. Conference: Living with the disaster fact. Başarı College, Manavgat, Antalya, April 12, 2012.

10. Conference: How can we come into a resilient community against to disasters? Erzincan University, Erzincan, Turkey. January 15, 2012.

11. Urban Disaster Information System, Erzincan Example. Winter School, Erzincan University, Vocational High School of Health Services, Department of Emergency and Disaster Management. Erzincan, Turkey. January 15-21, 2012.

12. International Universities Search&Rescue Seminars and Exercices. Civil Defence Organization of Turkish Republic of Northern Cyprus. Lefkoşa/TRNC. April 25-29, 2011.

13. Training and Exercise for the Preparation to Disasters. Akol Academia, Canakkale, Turkey. March 24, 2011.

14. Moderator and Panelist in the Closing Panel of the 8th International Nongovernmental Organisations Congress. Canakkale Onsekiz Mart University, Biga Faculty of Economics and Administrative Sciences, Canakkale, Turkey. December 5, 2010.

15. International Universities Search&Rescue Seminars and Exercices. Civil Defence Organization of Turkish Republic of Northern Cyprus. Lefkoşa/TRNC. May 16-20, 2010.

16. Panelist in the Workshop on Urban Infrastructure and Disaster. Chamber of Civil Engineers, Çanakkale Branch, Canakkale, Turkey. April 17, 2009.

17. Panelist in the Closing Panel of the International Prof.Dr. Suzan Erbas Science Education Workshop. Canakkale Onsekiz Mart University, Faculty of Education, Elementary Education Department, Canakkale, Turkey. March 7, 2008.

18. Vice President of the Organizing Committee of the 13th Biotechnology Congress. Biotechnology Association and Canakkale Onsekiz Mart University, Canakkale, Turkey. August 25-29, 2003.

10. Administrative duties

No	Duty and Dates	
1	Head of Rescue and Disaster Management Department	2009-continuing
2	Head of Biology Department	1998-2000
3	Director of Health College	1998-2007

11. Courses taught over the past two years

Akademic Year	Title of Course	Status	Academic Unit
2012-13	Embryology-Genetics	Undergraduated	Health College
	Biochemistry	Undergraduated	Health College
	Chemistry	Undergraduated	Health College
	Scientific Principles of Technology	Undergraduated	Health College
	Environmental Health and Biosecurity	Undergraduated	Health College
	Histology	Undergraduated	Health College
	Team Leadership	Undergraduated	Health College
	CBRN	Undergraduated	Health College
2013-14	Search&Rescue I & II	Undergraduated	Health College
	Biochemistry	Undergraduated	Health College
	Scientific Principles of Technology	Undergraduated	Health College
	Chemistry	Undergraduated	Health College
	Environmental Health and Biosecurity	Undergraduated	Health College
	Team Leadership	Undergraduated	Health College
	CBRN	Undergraduated	Health College
	Search&Rescue I & II	Undergraduated	Health College
2013-14	Histology	Undergraduated	Health College
	Embryology-Genetics	Undergraduated	Health College