

## CURRICULUM VITAE

### PERSONAL DATA

Name and Surname : Bilge Hilal ÇADIRCI  
Date of Birth : September 15, 1978  
Place of Birth : Sinop, TURKEY  
Sex : Female  
Nationality : Republic of Turkey  
Foreign Languages : English: Upper Intermediate  
Spanish: Intermediate  
German: Beginner  
Marital Status : Married  
Address : Tokat Gaziosmanpaşa University, Faculty of Engineering and  
Architecture, Department of Bioengineering 60100, Tokat-TURKEY  
Telephone: :+90 356- 252 15 22-2912  
Fax : +90 - 356 252 15 85  
E-mail : bilgehilal.cadirci@gop.edu.tr



### EDUCATION:

<i>Examination</i>	<i>Year of Passing</i>	<i>Institution/ University</i>
Bachelor of Science (Biology)	2000	Faculty of Education (University of Gazi)
M.Sc. (Specialization in Microbiology)	2003	Institute of Science (University of Gazi)
Ph.D. (Specialization in Microbiology, Biochemistry)	2009	Institute of Science (University of Ege)

### THESIS

**Msc Thesis:** Antagonistic Effect of Some *Lactobacillus* Species on Various Gram (+) and Gram (-) Bacteria

**PhD Thesis:** Isolation of Organic Solvents Tolerant Lipase Producer Microorganisms

### SPECIALIZATION:

- 1. Microbiology:** Industrial Microbiology, Environmental Microbiology, Food Microbiology, Anaerobic Process, Bioprocesses, Leather Microbiology, Bacteria, Molds
- 2. Biochemistry:** Characterisation, and Purification of Enzymes, Membrane Proteins,
- 3. Molecular Biology:** Recombinant DNA techniques, Protein Engineering, Gene cloning, Metabolism Engineering
- 4. Environment:** Environmental Microbiology, Renewable energy
- 5. Intellectual and Industrial Property Rights:** Patent Education

### CAREER

2017-continue Full Professor Faculty of Engineering and Natural Sciences, Department of Genetic and Bioengineering, Tokat, Turkey  
2012-2017, Associate Professor Faculty of Engineering and Natural Sciences, Department of Bioengineering, Tokat, Turkey.  
2010-2012, Assistant Professor, Faculty of Engineering and Natural Sciences, Department of Bioengineering, Tokat, Turkey.  
2011-2012, Post-Doc, Universität of Regensburg, Fakultät Biologie und Vorklinische Medizin, Lehrstuhl für Microbiology Regensburg Germany.

- 2010-2010, EMBO Short Term Fellowship Holder, CSIC Estacion Experimental Del Zaidin, Granada, Spain.
- 2009- 2010, Research Assistant, Biology Department, Arts and Sciences Faculty, Gaziosmanpasa University, Tokat, Turkey.
- 2003-2009, Research Assistant, Biology Department, Sciences Faculty, Ege University, Izmir, Turkey.
- 2007-2008, Invited Investigator, CSIC Estacion Experimental Del Zaidin, Granada, Spain.
- 2007-2007, Invited Investigator, Royal Netherlands Institute for Sea Research, Biological Oceanography Department, Texel, Netherlands.
- 2001-2003, Research Assistant, Biology Department, Arts and Sciences Faculty, Gazi University, Ankara, Turkey.
- 2001-2001, Research Assistant, Biology Department, Arts and Sciences Faculty, Gaziosmanpasa University, Tokat, Turkey.

## SCIENTIFIC PUBLICATIONS

### PAPERS

1. **Cadirci, B.H.**, Tolan, M., 2021. A new bacillolycin with serin-protease nature is inhibited by copper. *Biocatalysis and Biotransformation* 39(4): 275-282.
2. Çokdinleyen M., **Cadirci Efeli, BH.**, 2020. Carbon Monoxide Dehydrogenases of Carboxidotrophic Microorganisms Journal of Agricultural Biotechnology (JOINABT) 1(1), 18-30
3. Aytac Bal, F., Ozkocak I., **Cadirci, B.H.**, Karaarslan E.Ş., Cakdinleyen, M., Ağaccioğlu, M., 2019. Effects of photodynamic therapy with indocyanine green on *Streptococcus mutans* biofilm. *Photodiagnosis and Photodynamic Therapy*. 26:229-234.
4. Karaarslan E.Ş., Aytac, F., **Cadirci, B.H.**, Ağaccioğlu, M., Taştan, E., Yilmaz G., Özkoçak, BBC, 2018. Evaluation of the effects of different remineralizing agents on *Streptococcus mutans* biofilm adhesion. *Journal of Adhesion Science and Technology*, 32(23): 2617-2630.
5. **Cadirci, B.H.**, 2018. *Rhodobacter sphaeroides* Converts Light into Electricity. *International Journal of Hydrogen Energy* 43(38), 18001-18006.
6. Usta, C., **Cadirci, B.H.**, Cokmus, C., 2018. Unconscious Collaborator of Mosquitos: Proteolytic Activity of Aquatic Inhabitant Bacillus Strains Eliminate Bacillus sphaericus Insecticidal Toxin Proteins. *Fresenius Environmental Bulletin*, 27(1): 154-159.
7. Karan, T., **Cadirci B.H.**, 2018. Evaluation of Antimicrobial and Antioxidant Activity of *Lepidium Draba* L. *World Journal of Pharmaceutical Research* 7:13, 1123-1131.
8. Berkil Akar, K., Mercan, E., Eran, B., **Cadirci, B.H.**, 2018. Synthesis and Biological Evaluation of Novel 5,8-Dibromo- and 2-N-substituted-1,4-Naphthoquinone Derivatives as Potential Antimicrobial Agents, *Cumhuriyet Science Journal*, Accepted.
9. **Cadirci, B.H.**, Aksoy, T., 2017. Expression of Genetically Engineered Chitinase Gene of *Pyrococcus furiosus*. *International Journal of Engineering Research and Development* 13(1):44-46.
10. **Cadirci, B.H.**, Bebek, O., Çam, D., 2017. Recombinant DNA Polymerase Production of *Thermococcus gorgonarius* Selçuk Üniversitesi Fen Fakültesi Dergisi, 43:1, 1-9.

11. **Cadirci, B.H.** and Yasa, I., 2017. Xylanase Production from *Streptomyces* sp. TEM25 by Solid State Fermentation. Journal of Agricultural Faculty of Gaziosmanpasa University, 34 (2), 1-9.
12. **Cadirci, B.H.**, Yasa, I. and Kocyigit, A. 2016 *Streptomyces* sp. TEM 33 possess high lipolytic activity in Solid State Fermentation in comparison with Submerged Fermentation, Preparative Biochemistry and Biotechnology Jan 2;46(1):23-29
13. Karadag, A., Aydin, A., Dede, S., Tekin, S., Yanar, Y., **Cadirci, B.H.**, Soylu M.S. Andac, O., 2015. Five Novel Dicyanidoaurate(I)-Based Complexes Exhibiting Significant Biological activities: Synthesis, Characterization and Three Crystal Structures. New Journal of Chemistry 39(10) 8136-8152
14. **Cadirci, B.H.**, Yasa, I., Bitlisli, B.O., Karavana, H.A. 2015. Thermostable Serine Protease By *Aspergillus parasiticus* TEM Have Promising Activity In Enzymatic Dehairing Process, Journal of New Research in Science, 8, 72-83.
15. Jiménez, H.S., Fontana, C.G., **Cadirci, B.H.**, Ramos- González, M.I., Ramos J.L. and Krell, T. "Study of the TmoS/TmoT two-component system: Towards the functional characterisation of the family of TodS/TodT like systems", Microbial Biotechnology 2012 Jul;5(4):489-500
16. Krell, T., Lacal, J., Muñoz-Martínez, F., **Cadirci, B.H.**, García-Fontana C. and Ramos J.L., 2010. Diversity at its best: bacterial taxis Environmental Microbiology 13(5):1115-24.
17. Alpat, S.; Alpat, S.K.; **Çadirci, B.H.**; Özbayrak, O. and Yasa, I. Effects of biosorption parameter: kinetics, isotherm and thermodynamics for Ni(II) biosorption from aqueous solution by *Circinella* sp. Electronic Journal of Biotechnology, September 2010, vol. 13, no. 5. <http://dx.doi.org/10.2225/vol13-issue5-fulltext-20>
18. **Cadirci, B.H.**, 2010 Extracellular Lipase Gene Regulation and Secretion Systems Electronic Journal of BioTechnology Vol: 1, No: 1, 2010 (27-34) In Turkish
19. **Cadirci, B.H.**, Ozgunay H., Vural, C., Yilmaz O, 2010. A New Defect On Leather: Microbial BioFilm Journal of the American Leather Chemists Association (JALCA), 105:129-134.
20. Bitlisli, B.O., Yasa, I., Aslan, A., **Cadirci, B.H.**, Basaran B., 2010. Physical and Antimicrobial Characteristics of Aloe vera Treated Split Suede Leathers. Journal of the American Leather Chemists Association (JALCA), 105: 34-40.
21. **Cadirci, B.H.**, and Yasa, I., 2010. An Organic Solvents Tolerant and Thermotolerant Lipase from *Pseudomonas fluorescens* P21 Journal of Molecular Catalysis B: Enzymatic, 64, 155-161.
22. **Cadirci, B.H.** and Citak, S., 2010. Antagonistic effects of some lactobacilli on some gram (-) bacteria, G.U. Journal of Science, 23(2): 119-123.
23. Mutlu, M. M., **Çadirci, B.H.**, Ozgunay, H., Adiguzel, A.C. and Sarı, O., 2009 Possible Use of Ozone in Soaking - J. Soc. Leather Technol. Chem., 93 (1): 18-20.
24. Alpat, S., Alpat, S.K., **Çadirci, B.H.**, Yasa, I. and Telefoncu, A. A novel microbial biosensor based on *Circinella* sp. modified carbon paste Sensors and Actuators B: Chemical 134 (2008) 175–181.
25. Aslan, A., Karavana, H.A., Gulumser, G., Yasa, İ. and **Cadirci, B.H.**, 2007.Utilization of Collagen Hydrolysate in Keratinase Production from *Bacillus subtilis* ATCC 6633, Journal of the American Leather Chemists Association (JALCA), 102 (4): 129-134.
26. Tuney, I., **Cadirci, B.H.**, Unal, D. and Sukatar, A., 2007. Location and Organic Solvent Variation in Antimicrobial Activities of Crude Extracts of Marine Algae from Coast of Izmir (Turkey) Fresenius Environmental Bulletin, 16, 428-434.

27. Tuney, I., **Cadirci, B.H.**, Unal, D. and Sukatar, A., 2006 Antimicrobial Activities In Extracts Of Marine Algae From The Coast Of Urla (Izmir, Turkey), Turkish Journal of Biology, 30:171-175.
28. Yasa, I., **Cadirci, B.H.**, Kocyigit, A. and Ozturk, T., 2006 Enrichment and isolation of anoxygenic phototrophic bacteria in winogradsky column., Journal of Fisheries and Aquatic Sciences, Vol. 23, No.1-2..
29. **Cadirci, B.H.** and Çitak, S., 2005. Comparison of Two Methods Used for Measuring - Antagonistic Activity of Lactic Acid Bacteria. Pakistan Journal of Nutrition 4 (4): 237-241.

#### **PRESENTATIONS**

1. Yucesoy, N., Sert N, **Cadirci Efeli, BH.**, 2021 Isolation and Characterization of Siderophore Producing Lactic Acid Bacteria, “3. Eurasia Biochemical Approaches & Technologies (3. EBAT) Congress 04-07 November 2021 Antalya.
2. Topbaş, N., Yucesoy, N., Sert N, **Cadirci Efeli, BH.**, 2021 Siderophore Producing Environmental Bacteria, “3. Eurasia Biochemical Approaches & Technologies (3. EBAT) Congress 04-07 November 2021 Antalya.
3. **Cadirci Efeli, BH.**, Tolan M., 2020. A Metallo-Serine Bacillolycin Neutral-Protease from Bacillus sp. BHC01. II. International Enzyme and Bioprocess Days. 01-03 September 2020, Gebze.
4. **Cadirci Efeli, BH.**, 2019. Metagenomic and Metaproteomic Approach in Identification of Bioactive Polypeptides From Hot Springs “Workshop on Current Approaches in Environmental Biotechnology” 14-15 November 2019, Izmir.
5. **Cadirci, BH.**, Tolan, M., 2018. A New Metallo-Serine Neutral Protease from Bacillus sp. BHC01 “1. Eurasia Biochemical Approaches & Technologies (1. EBAT) Congress 27-30 October 2018 Antalya.
6. **Cadirci, BH.**, Diblen, HA, Cakdinleyen M, 2018. Enzymatically Bioactive Polypeptides From Sulusaray Hot Spring, Tokat “1. Eurasia Biochemical Approaches & Technologies (1. EBAT) Congress 27-30 October 2018 Antalya.
7. **Cadirci, BH.**, Tolan, M., Cakdinleyen, M., 2018 Utilization and Characterization of A Protease to Produce Antimicrobial Polipeptides, IBMEC 2018 23-27 May 2018, Kıbrıs
8. **Cadirci, BH.**, 2018 Transdisciplinary Aspects of Sustainability At Interdisciplinary Engineering Education IBMEC 2018 23-27 May 2018, Kıbrıs
9. Tekin E, Özkoçak I, Göktürk H, **Cadirci BH** 2017 Antimicrobial Efficacy of Photodynamic Therapy with Different Photosensitizers 23rd International Dental Congress of TDA September 21-24, 2017 İstanbul
10. Babayev F, **Cadirci, BH**, 2017 Atherosclerosis Fuzzy Logic Based Software Algorithm 1 st International Symposium on Multidisciplinary Studies and Innovative Technologies, (ISMSIT) November 2-4, 2017, Tokat.
11. **Cadirci, BH**, 2017 *Rhodobacter sphaeroides* Converts Light Into Electricity 2nd International Mediterranean Science and Engineering Congress (IMSEC) October 25-27, 2017, Adana, Turkey
12. **Cadirci, BH**, Cakdinleyen M, 2017 Biodiversity of Resadiye Hot Spring XIII. Congress of Ecology and Environment with International Participation UKECEK 2017 12-15 September 2017 Edirne-Turkey
13. **Cadirci, BH**, Diblen, HA, Cakdinleyen M, 2017 Monitoring the Microbial Diversity of Sulusaray Hot Spring by Next Generation Sequencing International DNA Day and Genome Congress (IDDGC) 24-28 April 2017, Kırşehir.

14. **Cadirci, BH**, Diblen, HA, 2017 Isolation and Characterization of Total Enzymatic Bioactive Polypeptides From Sulusaray Hot Spring The International Conference on Engineering Technology and Innovation (ICETI) 22-26 March 2017, Sarajevo, Bosnia-Herzegovina.
15. **Cadirci, B.H.**, Aksoy T., Production of Recombinant Chitinase From *Pyrococcus furiosus*. 1st International Mediterranean Science and Engineering Congress (IMSEC 2016) 26-28 October 2016 Adana
16. Aytac, F., Ozkocak, I., **Cadirci, B.H.**, Karaarslan, E.S., Agaccioglu, M., Effects of Photodynamic therapy with a Novel Photosensitizing Agent on Streptococcus mutans Biofilm. 21st Congress of the Balkan Stomatological Society (BaSS) Banja Luka 12-15 May 2016 Bosnia & Herzegovina.
17. **Çadirci BH.**, Tolan M., 2016 Purification and Characterization of Extracellular Protease of Bacillus Species by Chromatographic Methods 16. National Chromatography Congress 31.08-02.09.2016 Malatya.
18. **Cadirci BH.** *Rhodobacter sphaeroides* converts light into electricity in a new designed microbial fuel cell by acetate photo-fermentation. PHOTOTECH 2015: Towards a photosynthesis-biobased economy Rome, 7-9 October 2015
19. Egri, O., **Cadirci BH.**, Coşkun A., Erdemir, A., Bayramcı, N., 2015 Effect of Magnetic Field on Biofilm Formation of Streptococcus pyogenes and Kelbsiella pneumoniae Bacteria. International Koycegiz Meetings, 6-12 September 2015 Koycegiz, Muğla, Turkey.
20. Mercan, E., Berkil Akar, K., **Çadirci, BH.**, Kılınc, H., Eran, B., 2015. Synthesis and Biological Evaluation of Novel 2-substituted-1,4-naphthoquinones as Potential Antimicrobial Agents Anatolian Conference on Synthetic Organic Chemistry ACSOC March 16-19, 2015, Antalya
21. Csek R, Nyerki E, Birta B, Diblen HA, **Cadirci BH**, Szabó T, Magyar M, Hajdu K, Hernándi K, Nagy L, 2015. Bio-Nanocomposites - Optoelectronics, Energy Conversion, Biosensors, 21th International Symposium on Analytical and Environmental Problems, 28 September 2015, Szeged, Hungary.
22. Ozkocak, I., Aytac, F., **Cadirci, BH.**, Ozkocak BB., Demir, O., 2015. Antibacterial Efficiency of Various Concentrations of Emodin in Root Canals Infected by Enterococcus faecalis. 1st Online Scientific Congress of International Association of Endodontic Education, Research & Practice November 30 - December 29 2015.
23. Diblen, H.A. and **Çadirci, BH.**, 2015 Enzymatic and Antimicrobial Properties of Tokat Sulusaray Hot Spring. 18. National Biotechnology Congress 18-19 December 2015 Konya.
24. Diblen, H.A. and **Çadirci, BH.**, 2015 Isolation and Characterization of Enzymatically Active Total Bioactive Polypeptides from Thermal Hot Springs Using for Dermatological Purposes, Bülent Ecevit Üniversitesi II. Ar-Ge Proje Pazarı, 7 Mayıs 2015, Zonguldak
25. Demir, T., Topaloğlu, E., **Çadirci BH.**, Akpınar Ö., 2015 Antioxidant, antibacterial and antifungal properties of cherry stalk (*Cerasus avium* L.) 2nd Central Anatolia Region Agriculture and Food Congress 28-30 April 2015 Nevşehir
26. **Cadirci BH.**, Bozoglan, E., "Monitoring the electricity production profile of *Rhodobacter sphaeroides* in optimized conditions" Cost Action TD1102 Training School 18-24 October 2014 Szeged, Hungary.
27. **Cadirci BH**, Yasa I, Mutations in mu phage proteins lead loss in lipase activity, International Conference on Applied Informatics on Health Life Sciences, 19-22 October 2014, Kusadası, Aydın

28. **Cadirci BH**, Yasa I, A Mutation in Quorum Sensing Genes Silences Lipase Gen Regulation in Organic Solvent Tolerant Lipase Producing *Pseudomonas fluorescens* P21, Enzymes for Biocatalysis, 03-05 June 2014, Istanbul.
29. Bozoglan, E., **Cadirci BH.**, A new designed microbial fuel cell: An electricity production study by *Rhodobacter sphaeroides*. Cost Action TD1102 2<sup>nd</sup> Plenary Workshop, 9-11 April 2014, Istanbul, Turkey
30. **Cadirci, BH.**, Screening of electricity producing profile of various photosynthetic microorganisms. Training School on “Phototech for Biosensors and Energy” 21-25 October 2013, Vouliagmeni, Athens, Greece.
31. Karan, T., Altuner, Z. and **Cadirci, B.H.**, 2013. “Photosynthetic Microbial Fuel Cell: Cyanobacteria and Investigating Their Electrogenic Capacity” **International Congress on Energy Efficiency and Energy Related Materials (ENEFM)** October 9-12, 2013, Kemer, Antalya, Turkey.
32. Kasim, G.C. and **Cadirci, B.H.**, 2013. “Screening of Toluene Tolerant Microorganisms”, 25<sup>th</sup> National Congress of Biochemistry September, 3-6 2013, İzmir
33. Bilgin Senturk S., **Cadirci, BH.**, Ulusu Y. Ve Gokce I., 2012. Isolation of Xylanase Producing Microorganisms from Soil Species Identification by MALDI-TOF Method and 16S rDNA Sequence Analysis 21st National Biology Congress, 03–07 September 2012, Ege University, İzmir, Turkey
34. Mutlu, M.M., **Cadirci, B.H.**, Ozgunay, H., Adiguzel Zengin A.C. and Sari, O., Ozone as a Biocide in Soaking “XXXI IULTCS Congress” - September 27th-30th 2011 Valencia Spain.
35. **Cadirci, B.H.**, Yasa, I. and Ramos-González M., 2009. Determination of lipase gene regulation by Mini Tn5 transposon mutation. XVI. National Biotechnology Congress, 14-16 December, Antalya, Turkey.
36. **Cadirci, B.H.**, Yasa, I., and Krell, T., 2008, An Organic Solvents Tolerant and Thermotolerant Lipase from *Pseudomonas fluorescens* P21 - International Enzyme Engineering Symposium (IEES '08) Kuşadası.
37. **Cadirci, B.H.**, Yasa, I and Herndl, G., 2008 Biodiversity in Kizildere Geothermal Field 8. National Ecology Congress 20-23 October, Girne, Cyprus.
38. **Cadirci, B.H.**, Tuney, I, Yasa, I., Sukatar, A. and Gökçen, G., Isolation and Identification of a Thermophilic Cyanobacterium From Balçova, Izmir, Turkey, 38th CIESM “Commission Internationale Pour L’exploration Scientifique De La Mer Méditerranée” Congress 17 April 2007, İstanbul, Turkey.
39. Alpat, S.K., **Çadirci, B.H.**, Özbayrak, Ö., Yaşa, I. and Alpat, Ş. Equilibrium, Kinetic and Mechanism of Nickel Biosorption by Microorganism *Circinella* sp. ICOSECS 5 “5th International Conference of Chemical Societies of the South East European Countries” September 10-14, 2006 Ohrid, Macedonia.
40. Ozbayrak, O., **Cadirci, B.H.**, Alpat, S.K., Yaşa, I. and Alpat, Ş. Biosorption of Heavy Metal Ions By Microorganism *Circinella* sp. ICOSECS 5 “5th International Conference of Chemical Societies of the South East European Countries” September 10-14, 2006 Ohrid, Macedonia.
41. Alpat, S., Alpat, S. K. **Cadirci, B.H.**, Yasa, I. and Telefoncu, A., 2006. Development of a New Biosensor Based on *Circinella* sp. Modified Carbon Paste Electrode for Determination of Copper, The 7th Workshop on Biosensors and Bioanalytical  $\mu$ -Techniques in Environmental and Clinical Analysis September 10-14, 2006, Kusadasi-Turkey.

42. Cakin, A., Kutluca, A.K. and **Cadirci, B.H.**, 2006. Physical, Chemical, Biological and Socio-economical Effects of Geothermal Applications, III. Aegean Energy Symposium, May 25-27, 2006, Mugla, Turkey.
43. **Cadirci, B.H.**, Aslan, A., Yasa, I., Karavana, H.A. and Gulumser, G., 2006. Evaluation of protein hydrolysate from chrome-tanned leather waste in keratinase production by *Bacillus subtilis* ATCC 6633, IULTCS (International Union of Leather Technologists and Chemists Societies), May 24-27, 2006, Istanbul.
44. Tuney, I., **Cadirci, B.H.**, Unal, D. and Sukatar, A., Antimicrobial activities in extracts of marine algae from the coast of Urla (Izmir, Turkey). XII. International Biomedical Science and Technology Symposium (BIOMED'05), September, 20-23 2005, Izmir, Turkey.
45. Yasa, I., **Cadirci, B.H.**, Isolation of organic solvent tolerant bacteria and uses in hydrolysis of cholesterol. XIV. Biotechnology Congress, 31. August -2. September 2005, Eskisehir, Turkey.
46. Kartal, F., Kılinc, A., Ozcakmakli, G., Alasya, A., Yasa, I. and **Cadirci, B.H.**, Purification of Extracellular Lipase from Fungus (*Circinella* sp.) XIX National Congress of Chemistry, 30th September – 04 October 2005, Kusadasi, Aydin, Turkey.
47. Yaşa, I., Bitlisli, B.O., **Cadirci, B.H.**, Başaran, B., Karavana, H.A. Protease Production of *Aspergillus parasiticus* TEM by Solid State Fermentation and Uses in Unhairing Process. I. National Leather Symposium, 7-8 October 2004, Izmir, Turkey.
48. Yaşa, İ., Bitlisli, B.O., Başaran, B., **Çadirci, B.H.**, Karavana, H.A., An Eco-friendly Approach in Leather Industry: Enzymatic Unhairing. AR-GE- Research Projects Market, 01-12 November 2004, Izmir, Turkey.
49. Yasa, I., **Cadirci, B.H.**, Koçyigit, A., Ozturk, T., Ecology of Phototrophic Bacteria. Marine Bacteriology 2004, 25-27 Kasım 2004, Istanbul, Turkey.
50. Yaşa, I., Kılınç, A., **Cadirci, B.H.**, Koçyigit, A., Kaytankaş, E., Barkut, Y. Production and partially purification of Xylanase from *Streptomyces* sp. TEM 25 by solid state fermentation. XVII. National Biology Congress, 21-24 June 2004, Adana, Turkey.
51. Yaşa, I., Kılınç, A., Koçyigit, A., **Cadirci, B.H.**, Barkut, Y., Kaytankaş, E., Screening of *Streptomyces* sp. Strains for Lipolytic Activity and Lipase production by Solid State Fermentation. XVII. National Biology Congress, 21-24 June 2004, Adana, Turkey.
52. Barkut, Y., **Cadirci, B.H.**, Koçyigit, A., Kaytankaş, E., Kılınç, A., Yasa, I., Lipase production by immobilized *Circinella* sp. cells. 18th National Biochemistry Congress, 15-19 May 2004, Trabzon, Turkey.
53. **Cadirci, B.H.**, Çıtak, S., Antagonistic effects of some lactobacilli on some gram (-) bacteria. Microbiologia Balkanica 2003, 3rd Balkan Conference of Microbiology, 4-7 September 2003, Istanbul, Turkey.
54. **Cadirci, B.H.**, Çıtak, S., Comparison of well and disc diffusion methods in measuring antagonistic activity of *Lactobacillus casei* against various gram (+) and gram (-) bacteria. XIII. Biotechnology Congress, 25-29 August 2003, Çanakkale, Turkey.
55. Çıtak, S., **Cadirci, B.H.**, Comparison of well and disc diffusion methods in measuring antagonistic activities of *Lactobacillus plantarum* and *Lactobacillus helveticus* against various gram (+) and gram (-) bacteria. XVI. Biology Congress, 4-7 September 2002, Malatya, Turkey.

### BOOKS AND CHAPTERS

1. **Çadırcı BH**, 2021. Genetik Mühendisliği Rekombinant DNA Teknolojisi, Akademisyen Kitabevi, 184 shf.
2. Yasa, I., Oner, T. ve **Çadırcı, BH.**, 2018. Moleküler Biyoloji ve Biyoteknoloji için Matematiksel Hesaplamalar, Frank H Stepenson'dan çeviri. Palme Yayınevi, 480 shf.
3. Fernández M, Daniels C, García V, **Çadırcı BH**, Segura A, Ramos JL, Krell T 2018 Extrusion Pumps for Hydrocarbons: An Efficient Evolutionary Strategy to Confer Resistance to Hydrocarbons Cellular Ecophysiology of Microbe, Handbook of Hydrocarbon and Lipid Microbiology, Springer International Publishing AG 2018
4. László Nagy, Sarrai Abd El Aziz, Richárd Csekő, **Bilge Hilal Çadırcı**, Tibor Szabó, Kata Hajdu (2017) Hierarchical constitution and function in nanosystems from molecules to nanostructures – the example of photosynthetic energy conversion, in Vincze J. ed., Biophysics 45, pp. 243-268., 2017, NDP, Budapest
5. Krell, T., **Çadırcı, B.H.**, Segura, A., García, V., Daniels, C., and Ramos, J. L. (2010) Extrusion pumps for hydrocarbons: an efficient evolutionary strategy to confer resistance to hydrocarbons p. 1586. in Handbook of Hydrocarbon and Lipid Microbiology (Eds. Kenneth N. Timmis) Springer-Verlag Berlin Heidelberg.
6. Yaşa, I. and **Çadırcı, B.H.**, Microbial Physiology Laboratory Application Book, 2007, - Ege University Press., 204 (In Turkish)
7. Yaşa, I. and **Çadırcı, B.H.**, Microbial Physiology Laboratory Application Book, Second Ed. 2009, - Ege University Press., 204 (In Turkish)
8. Yaşa, I. and **Çadırcı, B.H.**, Microbial Physiology Laboratory Application Book, Third Ed. 2014, - Ege University Press., 204 (In Turkish)

### APPLIED COURSES

1. SME MENTORING: Strategic Technology and Product Management' Tokat Teknopark, December 2018
2. "Patent Professionalism Training" Sakarya TEKNOKENT-ADAPPTO 15-16 May 2017
3. "Applied Patent Training" Sakarya TEKNOKENT-ADAPPTO May 24, 2016.
4. "Applied Patent Education 2" Sakarya TEKNOKENT-ADAPPTO 24-25 November 2016.
5. "Applied Entrepreneurship Course, Applied Entrepreneurship Course", Tokat Technopark, Course, 15.11.2015-25.12.2015 (National)
6. "Laser spectroscopy in green photo-technology" ELI-ALPS Workshop, 18-23 October 2014, Szeged, Hungary
7. Training School on Phototech for Biosensors and Energy, October 21-25, 2013 Athens, Greece.
8. Metabolism Engineering Summer School June 20-25, 2011 Bodrum, Mugla, Turkey.
9. Protein Analytics Summer School, September 20-26, 2009 Bodrum, Mugla, Turkey.
10. Recent Developments in Chromatography, Educational Seminer, May 4, 2006, Izmir, Turkey.
11. XII. Applied Flow Cytometry Training, June 26-30, 2006, DETAE, (Istanbul University, Institute for Experimental Medicine), Capa-Istanbul.
12. 1<sup>st</sup> Aegean Genetic Symposium, November 15, 2005, Ege University, Izmir.
13. Gen Cloning and Expression in Prokaryotic Systems, July 2-13, 2001 TUBITAK–MAM (The Scientific and Technological Research Council of Turkey- Marmara



Research Center) Institute of Gen Engineering and Biotechnology, Gebze - Kocaeli, Turkey.

14. Molecular Biology and Biotechnology, July 16-30, 2001 BIOGEM (Biotechnology and Genetic engineering research and Application Center), Istanbul University Faculty of Science, Vezneciler - Istanbul, Turkey.

## **PROJECTS INVOLVED**

### **INTERNATIONAL PROJECTS**

**A1.** “Photosynthetic proteins for technological applications: Biosensors and biochips (PHOTOTECH)” Member and Fellow of CMST COST Action TD1102 Working Group, completed

### **NATIONAL PROJECTS**

**A2.** Investigation of Therapeutic Effects of Spas Used for Balneotherapy: Searching for Bioactive Polypeptides with Metaproteomics Approach” TUBITAK 215M161 Executive 55000 TL completed.

**A3.** Stabilizing Adapted Vaccine Culture for Wastewater Treatment” Ministry of Science, Industry and Technology, SANTEZ, 719/STZ/2014 443863,68 TL Associate Researcher, completed.

**A4.** Production of amylase enzyme used for desizing in the textile industry by solid state technique” TUBITAK 2209B(2241A) Industry Oriented Undergraduate Thesis Support Program 1139B411600207, Consultant, 2750 TL Completed

**A5.** “Design of Bidirectional Selection Markers Not Requiring Auxotrophy for Gene Engineering Applications in *Pichia pastoris* Type Yeast” TUBITAK 2209B(2241A) Industry Oriented Undergraduate Thesis Support Program 1139B411600281, 3500 TL. Completed

**A6.** “Recombinant Production, Purification and Characterization of Tgo DNA Polymerase Isolated from *Thermococcus gorgonius*” TUBITAK 2209B(2241A) Industry Oriented Undergraduate Thesis Support Program, 1139B411500184, 4000 TL, consultant, Completed.

**A7.** “Antimicrobial Peptide Extraction and Characterization from Reşadiye Thermal Spring Mud and Determination of Enzyme Properties” TUBITAK, 2209-A University Students Domestic Research Projects Support Program, 919B011403111, 1800TL, Consultant, Completed.

**A8.** “Evaluation of Geothermal Energy Projects in Turkey in the Context of Clean Energy: Balçova Geothermal District Heating System-İzmir and Kızıldere Geothermal Power Plant-Denizli” 104M301, Tubitak Career Project, 103800 TL. Auxiliary Staff, completed

**A9.** Production and Partial Purification of Lipase and Xylanase from *Streptomyces* TEM 33 by Solid Culture Fermentation, 2005-056, Ege University Scientific Research Project. Researcher, completed

**A10.** “Cloning of LOV domain protein as an optogenetic tool” Gaziosmanpaşa University Scientific Research Project 2016/84, Executive 5.999.36 TL, Completed.

**A11.** “Heterocyclic and aromatic biogenic amines in fermented products” Gaziosmanpaşa University Scientific Research Project 2017/67 Undergraduate Graduation Project, Executive 938 TL 11052017-11112017

**A12.** “Cellulase Producer Mold Isolation from Soils of Tokat Province” Gaziosmanpaşa University Scientific Research Project 2017/66, Undergraduate Graduation Project, Executive 1000 TL 11052017-11052018

**A13.** “Investigation of the effect of photoactive disinfection with indocyanine green on *Streptococcus mutans* biofilm” Gaziosmanpaşa University Scientific Research Project 2016/17, Researcher 7.800,98 TL Completed.

**A14.** “Evaluation of antibacterial activity of photodynamic therapy with different photosensitizers in root canals infected with *Enterococcus faecalis*” Gaziosmanpaşa University Scientific Research Project 2015/132 Researcher 10,036,00 TL, Completed.

**A15.** “Development of Industrial Microbiology and Biotechnology Laboratory” 2015/14, Infrastructure support project 38554 TL, Gaziosmanpaşa University Scientific Research Project, Coordinator, Completed.

**A16.** “Establishment of Anaerobic Laboratory Security System” 2014/44, Infrastructure support project 20.000 TL, Gaziosmanpaşa University Scientific Research Project, Coordinator, Completed.

**A17.** “Protease Production, Purification and Characterization of Microbial Origin” 2014/35 Master's Project, 5000 TL, Gaziosmanpaşa University Scientific Research Project, Coordinator, completed

**A18.** “Genomic and Metaproteomic Investigation of Spas in Tokat Region” 2014/34 Research Project, 10000 TL Gaziosmanpaşa University Scientific Research Project, Coordinator, Completed.

**A19.** “Establishment of Anaerobic Microbiology Laboratory for Biogas Production Research” 2013/91 Infrastructure Project, 44,613 TL, Gaziosmanpaşa University Scientific Research Project, Coordinator, completed

**A20.** “Recombinant Production and Analysis of *Pyrococcus furiosus* Chitinase” 2013/86 Master's project, 4.999 TL, Gaziosmanpaşa University Scientific Research Project, Coordinator, completed

**A21.** “Establishment of Industrial Microbiology and Biotechnology Laboratory” 2011/03, Infrastructure Project, 28,046 TL Gaziosmanpaşa University Scientific Research Project, Coordinator, Completed

**A22.** Isolation of Organic Solvent Tolerant Lipase Producing Microorganisms, 2005-19, Gaziosmanpaşa University Scientific Research Project. Ph.D. Project 10000 TL, Researcher, completed

## **FELLOWSHIPS AND GRANTS**

1. Understanding the complexity of the transcriptional regulation of solvent degradation Supervisor: Tino Krell (2010) CSIC, Estacion Experimental Del Zaidin, Granada, Spain, European Molecular Biology Organization (EMBO) Short term fellowship, ASTF 184.00-2010.

2. Efflux Pumps in Tolerance, Supervisor: Juan Luis Ramos Martin, (2007-2008) CSIC, Estacion Experimental Del Zaidin, Granada, Spain, TUBITAK 2214 PhD Research Fellowship.

3. Detection of Biodiversity In Hot Springs by T-RFLP (2007) Supervisor. Gerhard Herndl. Royal Netherlands Institute for Sea Research Institute, Biological Oceanography Department TUBITAK Career Project Research Fellowship.

## **ADMINISTRATIVE TASKS**

1. Union of Chambers and Commodity Exchanges of Turkey, Tokat Province Women Entrepreneurs Board Executive Committee Member 2019- Ongoing

2. Gaziosmanpaşa University Faculty of Engineering and Natural Sciences Department of Bioengineering, 2018-2021

3. Gaziosmanpaşa University Faculty of Engineering and Natural Sciences Board Member- 2018- 2021

- 4.** Member of Gaziosmanpaşa University Institute of Science and Technology-2018-2021
- 5.** Gaziosmanpaşa University Technology Transfer Office Coordinator, Intellectual, Industrial and Property Rights Module Coordinator, 2016- 2019
- 6.** Gaziosmanpaşa University Technology Transfer Office Coordinator, 2014- 2018
- 7.** Gaziosmanpaşa University Faculty of Engineering and Natural Sciences Associate Professor Representative, 2014-2017.
- 8.** Gaziosmanpaşa University Institute of Science Board Member 2013-2019
- 9.** Gaziosmanpaşa University Barrier-Free University Unit Commission Member and Unit Representative of the Faculty of Engineering and Natural Sciences 2010-2018.
- 10.** Gaziosmanpaşa University Faculty of Engineering and Natural Sciences Bioengineering Department Erasmus Coordinator 2010-Continuing.
- 11.** Gaziosmanpaşa University Faculty of Engineering and Natural Sciences Department of Bioengineering, Vice President, 2010-2011
- 12.** Gaziosmanpaşa University Faculty of Engineering and Natural Sciences Bioengineering Department Farabi Coordinator 2010-2011
- 13.** Gaziosmanpaşa University Bologna Coordination Commission Member 2010-2011, Graduate School of Natural and Applied Sciences Bologna Unit Manager
- 14.** Commissioner for the opening of Gaziosmanpaşa University Renewable Energy Technologies Institute 2010