

## CURRICULUM VITAE

### 1. PERSONAL INFORMATIONS

**NAME SURNAME** Ahmet ÇABUK  
**ADDRES** Eskişehir Osmangazi University, Faculty of Arts and Science, Department of Biology  
Eskişehir Osmangazi University, Graduate School of Natural and Applied Sciences  
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### 2. EDUCATIONAL BACKGROUND

2005	Doctorate	Eskişehir Osmangazi University, General Biology, Microbiology
2001	Master	Eskişehir Osmangazi University, General Biology, Microbiology
1990	Bachelor	Osmangazi University, Biology

### 3. ACADEMICAL DUTIES

Assist Prof. Dr.	24.08.2006
Assoc. Prof. Dr.	19.01.2009
Prof. Dr	20.05.2014

### 4. THESES

2001-2005	Doctorate Thesis, General Biology Department Microbiology	Cyanide biodegradation by white rot fungi
1999-2001	Msc Thesis, General Biology Department/Microbiology	Removal of heavy metals from wastewater using immobilized bacterial biomass in fixed bed bioreactor

### 5. THESES SUPERVISED

#### 5.1. Msc Theses

1. Aytar, P., "Determination of optimum conditions for sulphur removal from lignite coal with white rot fungi", Balıkesir Üniversitesi, 2007. (Second Supervisor)

2. Özel, Y.K., "Evaluation of cyanide biodegradation ability of various macrofungus isolates and determination of optimum conditions", Eskişehir Osmangazi University, 2008.

3. Tabak, Ö., "Biodegradation of chlorophenolic compounds by various *Basidiomycetes* isolates", Eskişehir Osmangazi University, 2008.

4. Gedikli, S., "Evaluation of abilities of laccase production of some macrofungi isolates and utility of decolorization applications", Eskişehir Osmangazi University, 2008

5. Şaşmaz, S., "Dye decolorization using laccase and laccase mediator system", Eskişehir Osmangazi University, 2009.

6. Özşölen, F., "Production of ligninolytic enzymes with solid state fermentation", Eskişehir Osmangazi University, 2010.

- 7.Çeçe, Ş., "Dechlorination of 4-chlorophenol by *Trametes Versicolor* laccase", Eskişehir Osmangazi University, 2010.
- 8.Benli, E., "Dechlorination of 2,4-dichlorophenol by *Trametes Versicolor* laccase", Eskişehir Osmangazi University, 2010.
- 9.Bireller, E.S., "Investigation of the decolorization conditions of some textile dyes in aqueous solutions by pretreated and untreated biomass of *Saccharomyces cerevisiae*", Eskişehir Osmangazi University, 2011.
- 10.Girgin, M., "Decolorization of some textile dyes in aqueous solution by *Saccharomyces cerevisiae* biomass immobilized on *Pinus nigra* cones", Eskişehir Osmangazi University, 2011.
- 11.Toptaş, Y., "Investigation of lactic acid production abilities of bacteria isolated from oral microbiota", Eskişehir Osmangazi University, 2011.
- 12.Özçelik B., "Investigation of protease production ability of bacteria isolated from hydrocarbon polluted area", Eskişehir Osmangazi University, 2012.
- 13.Güngörmedi G., "Determination of bioplastic production capabilities of the microorganisms isolated from hydrocarbon contaminated soils and characterization of bioplastic", Eskişehir Osmangazi University, 2012.
- 14.Çelikdemir, M., "Production of biosurfactant by microorganisms from hydrocarbon contaminated soil" Eskişehir Osmangazi University, 2012.
- 15.Cengiz, G., "Removal of dyestuffs with magnetically *trametes versicolor* cells" Eskişehir Osmangazi University, 2014.
- 16.Yıldırım, S., " Production of Pigment by Bacteria from Hydrocarbon Contaminated Soil", Eskişehir Osmangazi University, 2014.
- 17.Yardımcı, E., "Protease production with *Geobacillus subterraneus*", Eskişehir Osmangazi University, 2014.
18. Sabancı Ş. "Preparation and characterization of microcrystalline cellulose and wood powder added polyhydroxybutyrate (PHB) composites through solvent method" Bartın University, 2015 (Second Supervisor )
19. Erdönmez, O., "Determination of prokaryotic diversity of Eynal Thermal Spring and investigation of protease production abilities, Eskişehir Osmangazi University, 2015.
20. Bozkurt, D., "Determination of prokaryotic diversity in environments with boron", Eskişehir Osmangazi University, 2016.

## 5.2. PhD Theses

- 1.Aytar P., "Determination of prokaryotic diversity in extreme acidic environments with conventional and molecular methods and usability at biodesulphurization", Eskişehir Osmangazi University, 2012.
- 2.Gedikli, S., "Isolation of Thermophilic Microorganisms From Hot Springs, Identification and Determination Their Ability to Poly-β-Hydroxybutyrate Pruduction", Eskişehir Osmangazi University, 2016.
3. Toptaş Y., "Asidofil Mikrobiyal Çeşitliliğin Belirlenmesi ve Biyomadencilik Uygulamalarında Kullanılabilirlikleri", Eskişehir Osmangazi Üniversitesi, 2016.

## 6. PROJECTS

- 1- The Effect of Pretreatment on Biosorption Capacities of Some Fungal Biomasses Used at heavy metal removal. Eskisehir Osmangazi University BAPK, 2002-2003
- 2- Biodegradation of Cyanur by White Rot Fungus. Eskisehir Osmangazi University BAPK, 2004-2006.
- 3- Obtaining and characterization metal tolerant-actinomycece isolates from Porsuk river system and contaminated soil of environment and their use of heavy metal removal, Eskisehir Osmangazi University BAP, 2006-2008.
- 4- Determination of exopolysaccharide production amounts of some macrofungus isolates, Eskisehir Osmangazi University BAP, 2006-2008.
- 5- Palynochemical analysis and antimicrobial activity of honeys in and around Eskisehir Osmangazi University BAP, 2006-2009.
- 6- Laccase production of some macrofungi isolated and availability of biodegradation for environmental pollutant, Eskisehir Osmangazi University, BAPK, 2008-2010.
- 7- The Isolation of Microorganism from Mihallıcık Koyunagili Region Coals and Biodesulfurisation Studies in Enriched samples with Multi-Gravity Separator and Tuvenan Coal by isolates. Eskisehir Osmangazi University, BAPK, 2011-2014
- 8- Determination of microbial diversity at extreme acidic environments with conventional and molecular methods and usability at biodesulphurazation, Eskisehir Osmangazi University, BAPK, 2011-2013
- 9- The Determination of Fungal Diversity in Acidic Mine Drainage by traditional and molecular methods. Eskisehir Osmangazi University, BAPK (D), 2012-2013.
- 10- The Determination of Microbial Diversity from Nasa Thermal Spring by traditional microbiological and molecular methods. Eskisehir Osmangazi University, BAPK(A2), 2012-2016
- 11- The Optimization and Characterization of Biosurfactan Production by Microorganism Isolated From Hydrocarbon Contaminated Soil. Eskisehir Osmangazi University, BAPK (A1), 2012-2013.
- 12- Microgel-Hydrogel Soft Composite and Application Studies. skisehir Osmangazi University, BAPK, 2013-2015.
- 13- Preparation and Catalytic Applications of Metallic Nanoparticles in a New Type Environmentally Sensitive Microgel, TUBITAK, TBAG(1001), 2012-2014.
- 14- Investigation of antibacterial and enzymatic activities of peptides in *Calchas Nordmanni* scorpion venom. TUBITAK, TBAG (1002), 2013-2014.
- 15- The Optimization of Protease Production Condition by Potential Thermophilic Protease Producer. Eskisehir Osmangazi University, BAPK (A1), 2013-2014.
- 16- Determination of prokaryotic diversity of Çitgöl thermal spring by using classical and molecular methods, investigation of abilities of biopolymer production of the isolates. Eskisehir Osmangazi University, BAPK (B), 2013-2016.
- 17- Isolation of Bacteria to Use for Microbial Fertilizer Preparation, Investigation of Efficiencies in Lab and Greenhouse Scale, Eskisehir Osmangazi University, BAPK (C3), 2013-2016
- 18- Investigation of the bioplastic production capabilities of halophilic bacteria and archaea. Eskisehir Osmangazi University, BAPK (D), 2013-2014.
- 19- The Investigation of Cleanability of Lignite from Çayırhan by Physical, Physicochemical and Biological Methods. Eskisehir Osmangazi University, BAPK, 2014-2016.
- 20- Genotoxicity / Mutagenicity Potentials of Boron Contaminated Environments and Determination of Boron Tolerances of Microbial Community Isolated from These Environments. Eskisehir Osmangazi University, BAPK, 2014-continue
- 21- Production, Purification and Characterization of Microbial Hyaluronic Acid. Eskisehir Osmangazi University. BAPK, 2014-continue.
- 22- The enzymatic degradation of hyaluronic acid produced by *Streptococcus equi* den and the stability in some physical conditions. Eskisehir Osmangazi University. BAPK, 2014-2016.
- 23- Development of Native Bioplastic and Biocomposite Production Strategies. Eskisehir Osmangazi University. TUBITAK 1505, 2015-continue.
- 24- Effects of Some Malatya Folk Medicine on Helicobacter pylori, Some Gastrointestinal System Pathogens and Inflammatory. TUBITAK 1001, 2015-contunie.
- 25- Determination of Suitable Parameter Values in Large Scale Biosurfactant Production by Artificial Neural Networks. Eskisehir Osmangazi University, BAPK, 2016-continue

- 26- Determination of Dental Microbial Composition of Alveolar Osteitis by Culture Independent Analysis. Eskisehir Osmangazi University, BAPK, 2016-continue.
- 27- Investigation of bioremediation abilities of bacteria isolated from acidic mine drainage. Eskisehir Osmangazi University, BAPK, 2016-continue

## 7. PUBLICATIONS

### A-1 Articles in international scientific journals with referee practice (SCI-Expanded , SSCI, AHCI journals)

1. Asan, A., İlhan, S., Sen, B., Erkara, I.P., Filik, C., Cabuk, A., Demirel, R., Ture, M., Okten, S.S. ve S. Tokur, "Airborne Fungi and Actinomycetes Concentrations in the Air of Eskisehir City (Turkey)," *Indoor and Built Environment*, 13, 63-74 (2004).
2. Akar, T., Cabuk, A., Tunali, S. ve M. Yamac, "Biosorption Potential of the Macro-Fungus *Ganoderma carnosum* for Removal of Lead(II) Ions from Aqueous Solutions," *Journal of Environmental Science and Health Part A Toxic/Hazardous Substance & Environmental Engineering*, 41, 2587-2606 (2006).
3. Tunali, S., Çabuk, A. Ve T. Akar, "Removal of Lead and Copper Ions from Aqueous Solutions by Bacterial Strain Isolated from Soil," *Chemical Engineering Journal*, 115, 203-211 (2006).
4. Çabuk, A., Akar, T., Tunali, S. ve Ö. Tabak, "Biosorption Characteristics of *Bacillus* sp. ATS-2 Immobilized in Silica Gel for Removal of Pb(II)," *Journal of Hazardous Materials*, 136, 317-323 (2006).
5. Cabuk, A., Unal, A.T. ve N. Kolankaya, "Biodegradation of Cyanide by a White Rot Fungus, *Trametes versicolor*," *Biotechnology Letters*, 28, 1313-1317 (2006).
6. Akar, T., Tunali, S. ve A. Çabuk, "Study on the Characterization of Lead (II) Biosorption by Fungus *Aspergillus parasiticus*," *Applied Biochemistry and Biotechnology*, 136, 389-405 (2007).
7. Çabuk, A., Akar, T., Tunali, S. ve S. Gedikli, "Biosorption of Pb(II) by Industrial Strain of *Saccharomyces cerevisiae* Immobilized on the Biomatrix of Cone Biomass of *Pinus nigra*: Equilibrium and Mechanic Analysis," *Chemical Engineering Journal*, 131, 293-300 (2007).
8. Gönen T.F., Yamac, M., Cabuk, A. Ve Z. Yıldız, "Selection of Newly Isolated Mushroom Strains for Tolerance and Biosorption of Zinc In Vitro," *Journal of Microbiology and Biotechnology*, 18, 483-489 (2008).
9. Aytar P., Şam M., ve A. Çabuk, "Microbial Desulphurization of Turkish Lignites by White Rot Fungi, " *Energy & Fuels*, 22(2), 1196-1199 (2008).
10. Tunali, A.S., Akar, T., Çabuk A., Decolorization of a Textile Dye, Reactive red 198 (RR198), by *Aspergillus parasiticus* fungal biosorbent, *Brazilian journal of Chemical Engineering*, 26(2), 299-405 (2009).
11. Tunali, A.S., Akar, T., Kaynak, Z., Anilan, B., Cabuk, A., Tabak, Ö., Demir, T.A., Gedikbey T., Removal of Copper(II) Ions from Synthetic Solution and Real Wastewater by the Combined Action of Dried *Trametes versicolor* cells and montmorillonite, *Hydrometallurgy*, 97(1-2), 98-104 (2009).
12. Ozel, Y.K., Gedikli, S., Aytar, P., Unal, A., Yamac, M., Çabuk, A., Kolankaya N., "New fungal biomasses for cyanide biodegradation" *Journal of Bioscience and Bioengineering*, 110(4), 431-435 (2010).
13. Gedikli, S., Aytar, P., Ünal, A., Yamaç, M., Çabuk, A., Kolankaya N., Enhancement with inducers of laccase production by some strains and application of enzyme to dechlorination of 2,4,5-trichlorophenol, *Electronic Journal of Biotechnology*, 13 (6), 6-7(2010).
14. Şaşmaz, S., Gedikli, S., Aytar, P., Güngörmedi G., Çabuk, A., Ünal A., Kolankaya N., Decolorization potential of some reactive dyes with crude laccase and laccase mediated system, *Applied Biochemistry and Biotechnology*, 163 (3), 346-361 (2011).
15. Aytar, P., Gedikli, S., Şam, M., Ünal, A., Çabuk, A, Kolankaya, N, Yürüm A., Desulphurization of Some

Low-rank Turkish Lignites with Crude Laccase Produced from *Trametes versicolor* ATCC 200801, Fuel Processing Technology, 92 (1), 71-76 (2011).

16.Çabuk, A., Sıdır, Y.G., Aytar, P., Gedikli, S., Sıdır, I., Dechlorination of chlorinated compounds by *Trametes versicolor* ATCC 200801 crude laccase and quantitative structure–activity relationship of toxicity, Journal of Environmental Science and Health Part A, 47,1938-1947 (2012).

17.Bireller, E.S., Aytar, P., Gedikli, S., Cabuk A., Removal of some reactive dyes by untreated and pretreated *Saccharomyces cerevisiae*, alcohol fermentation waste, Journal of Scientific & Industrial Research, 71, 632-639 (2012).

18.Aytar, P., Gedikli, S., Sam M., Farizoglu B., Çabuk A., Sequential treatment of olive oil mill waste water with adsorption, biological and photo-Fenton oxidation, Environmental Science and Pollution Research, 20(5), 3060-3067 (2013).

19.Çabuk A., Aytar P., Gedikli S., Özel YK, Kocabıyık E., Biosorption of acidic textile dyestuffs from aqueous solution by *Paecilomyces* sp. Isolated from acidic mine drainage, Environmental Science and Pollution Research, 20, 4540-4550 (2013).

20.Özçelik B., Aytar P., Gedikli S., Yardımcı E., Çalışkan F., Çabuk A., Production of an alkaline protease using *Bacillus pumilus* D3 without inactivation by SDS, its characterization and purification, Journal of Enzyme Inhibition and Medicinal Chemistry, 29, 388-396 (2014)

21 .Aytar P, Kay CM., Mutlu MB, Çabuk A., Coal Desulfurization with *Acidithiobacillus ferrivorans*, from Balya Acidic Mine Drainage, Energy & Fuels, 27 (6), 3090–3098 (2014).

22.Aytar P., Gedikli S., Buruk Y., Çabuk A., Burnak N., Lead and Nickel Biosorption with a Fungal Biomass Isolated from Metal Mine Drainage: Box-Behnken Experimental Design, International Journal of Environmental Science Technology, 11, 1631-1640 (2014).

23. Aytar P., Oz Aksoy D., Toptaş Y., Çabuk A., Koca S., Koca H., Isolation and characterization of native microorganism from Turkish lignite and usability at fungal desulphurization, Fuel, 116, 634-641 (2014).

24. Saraç N., Uğur A., Şimşek Ö., Aytar P., Toptaş Y., Buruk Y., Çabuk, Burnak A., Phenol tolerance and optimization of biodegradation by *Serratia marcescens* NS09-1 using Plackett-Burman design and Box-Behnken design, Environmental Engineering and Management Journal, accepted, (2014).

25. Cengiz G., Aytar P., Şam M., Çabuk A., Removal of reactive dyes using magnetically separable *Trametes versicolor* cells as a new composite biosorbent, Separation Science and Technology, 49, 1860-1871 (2014).

26. Gedikli S., Aytar P., Buruk Y., Apohan E., Çabuk A., Yesilada O., Burnak N., Laccase production and dye decolorization by *Trametes versicolor*: Application of Taguchi and Box-Behnken Methodologies, Turkish Journal of Biochemistry, 39, 298-306 (2014).

27. Oz Aksoy D., Aytar P., Toptaş Y., Çabuk A., Koca S., Koca H., Physical and physicochemical cleaning of lignite and the effect of cleaning on biodesulfurization, Fuel, 132, 158-164 (2014).

28. Akan T., Çabuk A., Indirect plasma inactivation by a low temperature atmospheric pressure plasma (LTAPP) system, Journal of Electrostatics, 72, 218-221(2014)

29. Güngörmedi, G., Demirbilek, M., Mutlu, M.B., Denkbaş, E.B., Çabuk, A., "Polyhydroxybutyrate and Hydroxyvalerate Production by *Bacillus megaterium* Strain A1 Isolated from Hydrocarbon-Contaminated Soil" Journal of Applied Polymer Science, 131,15, 1-8 (2014)

30. Aytar P., Kay C.M., Mutlu M.B., Çabuk A., Johnson D.B., Diversity of acidophilic prokaryotes at two acid mine drainage sites in Turkey, Environmental Science and Pollution Research, 22,5995-6003 (2014)

31. Yalçın E., Gedikli S., Çabuk A., Karahaliloğlu Z., Demirbilek M., Bayram C., Şam M., Sağlam N., Denkbaş EB., Silk fibroin/nylon-6 blend nanofilter matrix for copper removal from aqueous solution, *Clean Technologies and Environmental Policy*, 17, 921-934 (2015)
- 32- Aytar P., Bozkurt D., Erol S., Özdemir M., Çabuk A., Increased Removal of Reactive Blue 72 and 13 Acidic Textile Dyes by *Penicillium ochrochloron* Fungus Isolated from Acidic Mine Drainage, (2016)
- 33.Çabuk A, Gedikli S., Aytar P., Çelikdemir M., Color removal of reactive textile dyes from aqueous solution by raw and modified fungal biosorbent, *Environmental Engineering and Management Journal*, accepted, 14, 10 (2015).
- 34.Toptaş Y., Çelikdemir M., Tuncer C., Buruk Şahin Y., Aytar Çelik P., Burnak N., Çabuk A., Bütün V., Optimization of a biosurfactant production from bacteria isolated from soil and characterization of the surfactant, *Turkish Journal of Biochemistry*, 2016, 41 (5), 338–346.

## **A-2 Articles in international scientific journals with referee practice (excluding SCI-Expanded, SSCI, AHCI journals)**

- 1.Çabuk, A. Ve S. İlhan, "Cu<sup>2+</sup> Removal in a Biosorption Column by Immobilized Bacterial Biomass," *The European Journal of Mineral Processing and Environmental Protection, Special Issue, Biotreatment & Biosorption II*, 3, 67-74 (2003).
- 2.İlhan, S., Çabuk, A., Filik, C. Ve F. Çalışkan, "Effect of Pretreatment on Biosorption of Heavy Metals by Fungal Biomass", *Trakya University Journal of Science*, 5, 11-17 (2004).
- 3.Çabuk, A., İlhan, S., Filik, C. Ve F. Çalışkan, "Pb<sup>2+</sup> Biosorption by Pretreated Fungal Biomass", *Turkish Journal of Biology*, 29, 23-28 (2005).
- 4.Akan, T., N. Ekem, Y. Akgun, A. Kiremitci, A. Cabuk, S. Pat ve G. Musa, "Plasma Sterilization Using The High Voltage Pulsed Discharge At Atmospheric Pressure," *Journal of Applied Sciences*, 6, 1566-1570 (2006).
- 5.Gedikli, S., Tabak, Ö., Tomsuk, Ö. Ve A. Çabuk, "Effect of Microwaves on Some Gram Negative and Gram Positive Bacteria", *Journal of Applied Biological Sciences*, 2, 67-71 (2008).
- 6.Özşölen F., Aytar P., Gedikli S., Çelikdemir M., Ardiç M., Çabuk A., Enhanced production and stability of laccase using some fungi on different lignocellulosic materials, *Journal of Applied Biological Sciences*, 4 (3) 69-78 (2011).
- 7.Demir A., Aytar P., Gedikli S., Çabuk A., Arısoy M., Laccase production with submerged and solid state fermentation: Benefit and cost analysis, *Hacettepe Journal of Biology and Chemistry*, 39(3) 305-313 (2011).
- 8.Benli E., Gedikli S., Aytar P., Güngörmedi G., Çabuk A., Dehalogenation and Detoxification Of 2,4-Dichlorophenol with Induced Laccase, *IUFS Journal of Biology*, 70(2) 25-34 (2011).
- 9.Aytar P., Gedikli S., Çelikdemir M., Uzuner S., Farizoğlu B., Şam M., Çabuk A., Sağlam N., Dephenolization of olive mill wastewater by growing cells of some white rot fungi without adaptation, *Turkish Hacettepe Journal of Biology and Chemistry*, 39 (4) 379-390 (2011).
- 10.Akbulut M., Aytar P., Gedikli S., Çabuk A., *Trametes versicolor* Lakkazı ile 2-Klorofenolden Klor Uzaklaştırılması, *Sigma Mühendislik ve Fen Bilimler Dergisi*, 30(1) 9-19 (2012).
- 11.Çabuk A., Kolankaya N., Siyanürün toksisitesi ve biyolojik yıkımı, *Sigma Mühendislik ve Fen Bilimler Dergisi*, 30, 20-38 (2012).
12. Toptaş Y., Akca G., Çabuk A., Lactic acid production by *Lactobacillus brevis* isolated from oral microbiota, *IUFS Journal of Biology*, 2014, 73(1): 1-7.

## **A-3 International Written Books or Book Sections**

1. Sağlam N, Yesilada O, Çabuk A, Sam M, Sağlam S, İlk S, Emul E, Aytar P, Gurel E, Innovation of Strategies and Challenges for Fungal Nanobiotechnology. Eds: Prasad R., *Advances and Applications*

Through Fungal Nanobiotechnology, 2016, Springer International Publishing, Switzerland.

#### **A-4 Articles in national scientific journals with referee practice**

1. İlhan, S., Filik, C. ve A. Çabuk, "Yaş ve Kuru Fungus Miselleriyle Kurşun Biyosorpsiyonu Üzerine pH'ın Etkisi", Anadolu Üniversitesi Bilim ve Teknoloji Dergisi, 4, 27-34 (2003).
2. Çabuk, A., Akar, T., Kotluk, Z. Ve S. Şaşmaz, "Saccharomyces cerevisiae Hücreleri ile Ağır Metal Giderimi ve Metal Toleransı", Ortaokul On-Line Mikrobiyoloji Dergisi, 5, 1-7 (2007).
3. Tabak, Ö., Gedikli, S., Aytar, P., Ünal A., Çabuk, A. ve N. Kolankaya, *Trametes versicolor* Lakkazı ile Pentaklorofenol ve 2,6-Diklorofenol'den Klor Uzaklaştırılması, Elektronik Mikrobiyoloji Dergisi TR, 7, 13-23 (2009).
4. Güngörmedi G., Şaşmaz S., Aytar P., Gedikli S., Ünal A., Çabuk A., ve N. Kolankaya, *Trametes versicolor* biyokütlesi ile Reaktif Red 198 Boyarmaddesinin Biyosorpsiyonu, Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, 22(2), 247-264 (2009).
5. Gedikli S., Aytar P., Ünal A., Çabuk A., Kolankaya N., Lakkaz enzimi ile kot boyarmaddesinin biyolojik yıkımı, Anadolu University Journal of Science and Technology –C Life Sciences and Biotechnology, 1(1) 59-70 (2010).
6. Ünal, A., Çabuk, A., Kolankaya, N., Laboratuvar ölçekli biyoreaktörde *Trametes versicolor*'dan elde edilen serbest ve immobilize lakkaz ile 2,4,6-trichlorophenol'den klor uzaklaştırılması, Anadolu University Journal of Science and Technology-C Life Sciences and Biotechnology, 1(2) 113-124 (2011).
7. Çelikdemir M., Gedikli S., Aytar P., Güngörmedi G., Çabuk A., Mikroorganizmanın Maya Hücrelerinin Canlılığı Üzerine Etkisi, Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, 24(2), 1-9 (2011).
8. Aytar P., Mutlu M.B., Çabuk A., Çan asidik maden drenaj gölünün bakteriyel çeşitliliğinin 16S klonlama yöntemi ile belirlenmesi: Temsili klon kütüphanesi, Elektronik Mikrobiyoloji Dergisi TR, 2013, 11, 19-27.
9. Aytar P., Buruk Y., Çabuk A., *Streptococcus equi* ile hyaluronik asit üretiminde optimum koşulların Plackett-Burman yöntemi ile belirlenmesi, Elektronik Mikrobiyoloji Dergisi TR, 2013, 11, 28-35

#### **A-5 Publications such as technical note, letter to editor, discussion, abstract in SCI-Expanded, SSCI, AHCI journals**

1. Aytar P., Gedikli S., Buruk Y., Çabuk A., Burnak N., Lead and nickel biosorption with a dried fungal biomass isolated from lead mine drainage, Poster presentation, 15th European Congress on Biotechnology, İstanbul, (2012). (Bu çalışma "New Biotechnology" dergisinde özet olarak yayımlanmış olup tam metni "International Journal of Environmental Science Technology" dergisinde yayımlanmıştır)
2. Aytar P., Gedikli S., Kocabıyık E., Gürsu B.Y., Mutlu M.B., Çabuk A., İlhan S., Determining of fungal diversity with conventional and molecular methods at extreme acidic environments such as acidic mine drainage, Poster presentation, 15th European Congress on Biotechnology, İstanbul, (2012).
3. Güngörmedi G., Demirebilek M., Çabuk A., Mutlu MB., Şam M., Denkbaz EB., Characterization and optimization of poly(3-hydroxybutyrate) produced by bacteria isolated from hydrocarbon polluted soil, Poster presentation, 15th European Congress on Biotechnology, İstanbul, (2012), (Bu çalışma "New Biotechnology" dergisinde özet olarak yayımlanmış olup tam metni "Journal of Applied Polymer Science" dergisinde yayımlanmıştır)
4. Toptaş Y., Akca G., Çabuk A., Investigation of lactic acid production abilities of bacteria isolated from oral microbiota, Poster presentation, 15th European Congress on Biotechnology, İstanbul, (2012), (Bu çalışma "New Biotechnology" dergisinde özet olarak yayımlanmış olup tam metni IJFS Journal of Biology" dergisinde yayımlanmıştır).
5. Özçelik B., Yardımcı E., Yıldırım S., Çabuk A., Production of alkaline protease from a soil bacterium, its characterization and partial purification, Poster presentation, 15th European Congress on

Biotechnology, İstanbul, (2012), (Bu çalışma "New Biotechnology" dergisinde özet olarak yayımlanmış olup tam metni "Journal of Enzyme Inhibition and Medicinal Chemistry" dergisinden yayımlanmıştır).

6. Gedikli S., Şen C., Mutlu MB., Çabuk A. Determination of microbial diversity of Nasa Thermal Spring with conventional and molecular methods, Poster presentation, 15th European Congress on Biotechnology, İstanbul, (2012).

7. Girgin M., Çabuk A., Availability of decolorization of dyestuff by *Saccharomyces cerevisiae* immobilized on cone of *Pinus nigra*, Poster presentation, 15th European Congress on Biotechnology, İstanbul, (2012).

8. Çelikdemir M., Çabuk A., Tuncer C., Production optimization and characterization of biosurfactant of a bacterium from hydrocarbon contaminated soil, Poster presentation, 15th European Congress on Biotechnology, İstanbul, (2012).

## 8- PRESENTATIONS

### **B-1 Papers presented oral and published as fulltext at international congresses, symposium, panel discussions, workshops, scientific, artistic meetings.**

1. P. Aytar, Y. Toptaş, D. Öz Aksoy, A. Çabuk, S. Koca, H. Koca, Microorganism isolation from lignites itself of Mihaliççık Koyunağılı province and usability of these isolates at biodesulphurization of lignite, XIII. International Mineral Processing Symposium, Bodrum, (2012).

2. Aytar P., Toptaş Y., Sağol E., Oluklulu E., Aksoy D.Ö., Çabuk A., Koca S., Koca H., Biodesulphurization as a complement to flotation for cleaning coal, XVII. International Coal Preparation Congress, İstanbul, 2013.

### **B-2 Papers presented oral and published as abstract text at international congresses, symposium, panel discussions, workshops, scientific, artistic meetings**

1. Aytar P., Demir A., Gedikli S., Çabuk A., and Arisoy M., Laccase production with submerged and solid state fermentation: benefit and cost analysis, Oral presentation, 1st European Congress of Applied Biotechnology together with 29th DECHEMA's Biotechnology Annual Meeting, Berlin, (2011).

2. Çabuk A., Güngörmedi G., Demirbilek M., Mutlu MB., Denkbaş EB., High Production and Characterization of Bioplastic from *Halomonas organivorans* DB4, Oral presentation, BioMicroWorld 2015, Barcelona, 2015.

### **B-3 Papers presented oral and poster at international congresses, symposia, panel discussions, workshops, scientific, artistic meetings.**

1. İlhan S, Döner E, Çabuk A, Resistance of Some *Aspergillus* and *Penicillium* Species to Lead Concentration in Soil and Media, Biotechnology 2000 The World Congress on Biotechnology 11th International Biotechnology Symposium and Exhibition , Berlin, 3, S.:621, Dechema, Frankfurt (2000).

2. Çabuk A, İlhan S, Removal of Copper Fixed-Bed Biosorption with Immobilized *Bacillus subtilis*, 12th International Biodeterioration and Biodegradation Symposium (Biosorption and Bioremediation III (14-18/07/2002), Prag, International Biodeterioration and Biodegradation , 53, S.:195283, Elsevier (2004).

3. İlhan S, Çabuk A, Filik C, Çalışkan F, Effect of Pretreatment on Biosorption of Lead by Fungal Biomass, 12th International Biodeterioration and Biodegradation Symposium (Biosorption and Bioremediation III (14-18/07/2002)), Prag, International Biodeterioration and Biodegradation 53, S.:195283, Elsevier (2004).

4. Gönen F, Yamaç M, Çabuk A, Akar T, Tunalı S, Türkel S, In-Vitro Studies on Zinc Tolerance of Some Mushroom Strains, 4th International Congress Environmental Micropaleontology, Microbiology and Meiobenthology, Isparta, 82, ISEMMM (2004).

5. Çalışkan F, İlhan S, Filik C, Çabuk A, Effect of Pretreatment on the Biosorption of Copper (II) Ions by Fungal Biomass, 4th International Congress Environmental Micropaleontology, Microbiology and Meiobenthology, Isparta, 34, ISEMMM (2004).



6.Çabuk A, İlhan S, Filik C, Çalışkan F, Lead Biosorption by Pretreated Fungal Biomass, 4 International Congress Environmental Micropaleontology, Microbiology and Meiobenthology, Isparta, 31, ISEMMM (2004).

7- Çabuk A., Sidir Y.G., Aytar P., Gedikli S., Sidir İ., Dechlorination of chlorinated compounds by *Trametes versicolor* ATCC 200801 crude laccase and quantitative structure-activity relationship of toxicity, Poster presentation, 1st European Congress of Applied Biotechnology together with 29th DECHEMA's Biotechnology Annual Meeting, Berlin, 2011.

8- Aytar P., Toptaş Y., Sağol E., Oluklulu E., Aksoy D.Ö., Çabuk A., Koca S., Koca H., Biondesulphurization as a complement to flotation for cleaning coal, XVII. International Coal Preparation Congress, İstanbul, 2013.

9- Ülker, D., Tuncer, D., Baker, Ş.B., Toptaş, Y., Çabuk, A., Vural, B., Catalytic And Antibacterial Activity Of Multi-Responsive Microgels, Poster, 3rd International Symposium on Controlled/Living Polymerization, Antalya, 2014.

10- Toptaş Y., Aytar P., Aksoy DO., Oluklulu S., Çabuk A., Koca S., Koca H., Biological and physical cleaning of Çayırhan lignites (Turkey), Poster presentation, BioMicroWorld 2015, Barcelona, 2015.

11- Aytar P., Aksoy DO., Toptaş Y., Oluklulu S., Çabuk A., Koca S. Koca H., Investigation of Çayırhan lignite biondesulphurization of microorganisms isolated from coal itself, Poster presentation, BioMicroWorld 2015, Barcelona, 2015.

#### **B-4 Papers presented oral and published as fulltext at national congresses, symposium, panel discussions, workshops, scientific, artistic meetings**

1.Şaşmaz S., S. Gedikli, P. Aytar, G. Güngörmedi, A. Çabuk, A. Ünal, N. Kolankaya. Lakkaz ve lakkaz aracılı sistemler kullanılarak bazı boyarmaddelerin dekolorizasyonu. Sözlü bildiri, 16. Ulusal Biyoteknoloji Kongresi, Antalya, 2009.

2.Gedikli S., Aytar P., Çelikdemir M., Ünal A., Yamaç M., Çabuk A., Kolankaya N., Çeşitli makrofungus izolatlarının lakkaz üretim yetenekleri açısından değerlendirilmesi-Sözlü bildiri, 16. Ulusal Biyoteknoloji Kongresi, Antalya, 2009.

3.Aytar P., Gedikli S., Çelikdemir M., Uzuner S., Farizoğlu B., Şam M., Çabuk A., Bazı beyaz çürükçül funguslarla zeytin karasuyundan fenol giderimi-Sözlü bildiri, 16. Ulusal Biyoteknoloji Kongresi, Antalya, 2009.

#### **B-5 Papers presented oral and published as abstract text at national congresses, symposium, panel discussions, workshops, scientific, artistic meetings.**

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2.Çabuk, A., İlhan, S., "İmmobilize Bakteriyal Biyokütle ile Atık sulardan Pb<sup>2+</sup> Giderimi", 16. Ulusal Biyoloji Kongresi, 37, Malatya, (2002).

3.İlhan, S., Filik, C., Çabuk, A., Çalışkan, F., " *Metarrhizium anisopliae* Biyokütlesinin Nikel Biyosorpsiyon Kapasitesi Üzerine Ön İşlemlerin Etkisi", 17. Ulusal Biyoloji Kongresi, 5, Adana (2004).

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6.Çabuk, A., Tabak, Ö., Alper, N., Akar, T., Tunalı, S., Kolankaya, N., "*Trametes versicolor* ATCC (200801)'dan Elde Edilen Eksopolisakkarit ile Pb (II) Uzaklaştırılması", 14. Ulusal Biyoteknoloji

Kongresi, 136-140, Eskişehir (2005).

7.Özel YK, Cin M, Gedikli S, Aytar P, Çabuk A, Ünal A, Kolankaya N, Beyaz çürükçül funguslar ile siyanür içeren atık suyun iyileştirilmesi, 9. Ulusal Ekoloji ve Çevre Kongresi, Nevşehir, (2009).

8.Kutlu F, Gedikli S, Aytar P, Çelikdemir M, Çabuk A, Katı substrat fermentasyonu ile lakkaz, lignin peroksidaz ve mangan peroksidaz üretimi, 9. Ulusal Ekoloji ve Çevre Kongresi, Nevşehir, (2009).

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10.Aytar P., Gedikli S., Yıldırım S., Yardımcı E., Oduncu E., Farizoğlu B., Çabuk A., Zeytin kara suyunun fenol gideriminde ardışık montmorillonitle adsorpsiyon ve biyolojik işlemin kullanılması, Sözlü sunum, X. Ekoloji ve Çevre Kongresi, Çanakkale, (2011).

11.Çelikdemir M., Buruk Y., Burnak N., Çabuk A.,Biyosürefektan Üretici Bir İzolat İçin Plackett Burman İstatistiksel Analiz Yöntemi İle Besiyeri Bileşenlerinin Optimizasyonu, Sözlü Sunum, 21. Uluslararası katılımcı Ulusal Biyoloji Kongresi, İzmir, (2012).

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13. Çakmak H., Güngörmedi G., Demirbilek M., Çelik PA., Çabuk A., *Pseudomonas aeruginosa*'dan Rhamnolipid Üretimi ve Karakterizasyonu, Sözlü sunum, 18. Biyoteknoloji Kongresi, Konya, (2015)

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#### **B-6 Papers presented oral and poster at national congresses, symposia, panel discussions, workshops, scientific, artistic meetings**

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2.Çabuk, A., İlhan, S., "İmmobilize Bacillus subtilis ile Sıkıştırılmış Yatak Biyoreaktörde Cu<sup>2+</sup> Giderimi ve Geri Kazanımı", 13. Biyoteknoloji Kongresi, 129, Çanakkale (2003).

3.Çabuk, A., Tunalı, S., Akar, T., "Bakteriyal Biyokütle ile Cu<sup>2+</sup> Biyosorpsiyonu için Optimum Koşulların Belirlenmesi", 5. Ulusal Kromatografi Kongresi, 145, Eskişehir (2004).

4.Akar, T., Çabuk, A., Kotluk, Z., Tunalı, S., "Serbest ve İmmobilize Saccharomyces cerevisiae Hücreleri ile Ağır Metal İyonlarının Uzaklaştırılması", 1. Ulusal Afinite Teknikleri Kongresi, 67, Ankara, (2005).

5.Çabuk, A., Kotluk, Z., Şaşmaz, S., Tunalı, S., Akar, T., "Saccharomyces cerevisiae Hücrelerinin Katı ve Sıvı Besiyerinde Cu<sup>2+</sup> Dirençliliği ve Biyosorpsiyon ile İlişkilendirilmesi", 14. Ulusal Biyoteknoloji Kongresi, 528, Eskişehir (2005).

6.Kızılcık, M., Yamaç, M., Çabuk, A., "Bazı Makrofungus İzolatlarının Farklı Besiyerlerinde Eksopolisakkarit Üretim Potansiyeli", 14. Ulusal Biyoteknoloji Kongresi, 566, Eskişehir, (2005).

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8.Çabuk, A., Yamaç, M., Öztürk, N., Erkara, İ.P., "Vitex agnus-castus L. Eksrelerinin Antimikrobiyal Aktivitesi", 18. Ulusal Biyoloji Kongresi, 221-222, Aydın, (2006).

9.Çabuk, A., Tunalı, S., Akar, T., Yamaç, M., "Ganoderma carnosum Pat. Fungal Biyokütlesi ile Pb<sup>2+</sup>

Giderimi", 18. Ulusal Biyoloji Kongresi, 230-231, Aydın, (2006).

10.Çabuk, A., Akar, T., Tunalı, S., Tabak, Ö., "Silika Jelde İmmobilize *Bacillus* sp. ATS-2 Biyokütlesi ile Sıkıştırılmış Yatak Biyoreaktörde Pb<sup>2+</sup> Giderimi", 18. Ulusal Biyoloji Kongresi, 231, Aydın, (2006).

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13.Kaynak, Z., Tunalı, S., Akar, T., Çabuk, A., Tabak, Ö., Demir, T.A., Gedikbey, T., "T. versicolor Tutturulmuş Kil ile Cu<sup>2+</sup> İyonlarının Sulu Çözeltilerden Uzaklaştırılmasında Atomik Absorpsiyon Spektroskopisinin Kullanımı", 10. Ulusal Spektroskopi Kongresi, 130, İzmir, (2007).

14.Aytar P, Çabuk A, Phanerochaete chrysosporium ile linyit kömüründen kükürt giderimi, 7. Ulusal Ekoloji ve Çevre Kongresi, Malatya, (2007).

15.Tunalı Akar S, Akar T, Çabuk A, Decolorization of a textile dye, Reactive Red 198 (RR198), by *Aspergillus parasiticus* fungal biosorbent, XXII. Ulusal Kimya Kongresi, Kıbrıs, (2008).

16.Akar T, Çabuk A, Tunalı S, "FTIR, SEM/EDX Teknikleri Kullanılarak Aspergillus parasiticus Biyokütlesi ile Kurşun(II) İyonlarının Biyosorpsiyon Mekanizmasının Araştırılması" 4. Ulusal Afinité Teknikleri Kongresi, Muğla, (2008).

17.Aytar P, Çabuk A, *Trametes versicolor* ile Linyit Kömüründen Kükürt Giderimi, 19. Ulusal Biyoloji Kongresi, Trabzon, (2008).

18.Gedikli S, Aytar P, Güngörmedi G, Benli E, Çabuk A, Lakkaz enzimi ile kot boyar maddesinin biyolojik yıkımı, 9. Ulusal Ekoloji ve Çevre Kongresi, Nevşehir, (2009).

19.Aytar P, Gedikli S, Çelikdemir M, Şam M, Ünal A, Çabuk A, Kolankaya N, *Trametes versicolor*'dan elde edilen lakkaz ile düşük kaliteli linyit kömürlerinden kükürt uzaklaştırılması, 16. Ulusal Biyoteknoloji Kongresi,Antalya, (2009).

20.Özel YK, Gedikli S, Aytar P, Çelikdemir M, Ünal A, Çabuk A, Kolankaya N, Çeşitli makrofungus izolatlarının siyanür yıkım yeteneklerinin araştırılması, 16. Ulusal Biyoteknoloji Kongresi, Antalya, (2009).

21.Özel YK, Gedikli S, Aytar P, Çabuk A, Ünal A, Kolankaya N, *Trametes versicolor*, *Phanerochaete chrysosporium* ve *Pleurotus sajor-caju* biyokütelleri ile kurşun, nikel ve çinko biyosorpsiyonu, 20. Ulusal Biyoloji Kongresi, Denizli, (2010).

22.Güngörmedi G, Şaşmaz S, Aytar P, Gedikli S, Ünal A, Çabuk A, Kolankaya N, *Trametes versicolor* biyokütlesi ile Reaktif Red 198 boyarmaddesinin biyosorpsiyonu, 20. Ulusal Biyoloji Kongresi, Denizli, (2010).

23.Çelikdemir M, Gedikli S, Aytar P, Ünal A, Çabuk A, Kolankaya N, Mikrodalganın Maya ve Bakteri Hücrelerinin Canlılığı üzerine etkisi, 20. Ulusal Biyoloji Kongresi, Denizli, (2010).

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25.Gedikli S, Aytar P, Ünal A, Yamaç M, Çabuk A, Kolankaya N, *Trametes versicolor* lakkazı ile 4-klorofenol ve 2,4,5-triklorofenolden klor uzaklaştırılması, 20. Ulusal Biyoloji Kongresi, Denizli, (2010).

26.Gedikli S., Aytar P., Özel Y.K., Çelikdemir M., Güngörmedi G., Çabuk A.,Asidik maden drenajından izole edilen fungal biyokütle ile Blue 72, Orange 13 ve Violet 1 tekstil boyarmaddelerinin renk gideriminin araştırılması, Poster sunum, X. Ekoloji ve Çevre Kongresi, Çanakkale, (2011).

- 27.Çelikdemir M., Çabuk A., Hidrokarbon kirliliği olan topraklardan izole edilen mikroorganizmaların biyosüfektan üretim yeteneklerinin araştırılması, Poster sunum, X. Ekoloji ve Çevre Kongresi, Çanakkale,(2011).
- 28.Toptaş Y., Uğur N., Çiper PB., Çabuk A., Hatay iline ait zeytinyağların antibakteriyel aktivitesinin araştırılması, Poster sunum, X. Ekoloji ve Çevre Kongresi, Çanakkale, (2011).
- 29.Cengiz G., Toptaş Y., Çabuk A., Şam M., Manyetik nanopartikül (Fe<sub>3</sub>O<sub>4</sub>) yüklü *Trametes versicolor* biyokütlesi ile Reaktif Blue 13, Yellow 85, Violet 1 boyarmaddelerinin biyosorpsiyonu, Poster Sunum, 21. Uluslararası katılımcı Ulusal Biyoloji Kongresi, İzmir, (2012).
- 30.Çabuk A., Gedikli S., Aytar P., Çelikdemir M., Kimyasal olarak modifiye edilmiş fungal biyosorbentle reaktif tekstil boyarmaddelerinden renk giderimi, Poster sunum, 21. Uluslararası katılımcı Ulusal Biyoloji Kongresi, İzmir, (2012).
31. Aytar P., Bozkurt D., Erol S., Özdemir M., Çabuk A., Asidik maden drenajından izole edilen *Penicillium ochrochloron* ile bazı asidik tekstil boyar maddelerin gideriminin optimizasyonu, Poster sunum, 22. Ulusal Biyoloji Kongresi, Eskişehir, (2014).
32. Gedikli S., Aytar S., Buruk Y., Apohan E., Çabuk A., Yesilada Ö., Burnak N., *Trametes versicolor* ile lakkaz üretimi ve renk giderimi: Taguchi ve Box Behnken Yöntemlerinin Uygulanması, Poster sunum, 22. Ulusal Biyoloji Kongresi, Eskişehir, (2014).
- 33.Toptaş Y., Erdönmez O., Katar Ş., Kavak D., Çabuk A., Kimyasal Olarak Modifiye Edilmiş *Saccharomyces cerevisiae* biyokütlesi ile kurşun giderimi, Poster sunum, 22. Ulusal Biyoloji Kongresi, Eskişehir, (2014).
- 34.Yardımcı E., Çabuk A., Potansiyel termofilik proteaz üreticisi izolat ile üretim koşullarının optimizasyonu, Poster sunum, 22. Ulusal Biyoloji Kongresi, Eskişehir, (2014).
- 35.Yıldırım S., Çabuk A., Hidrokarbon kirliliği bulunan topraklardan izole edilen mikroorganizmalardan mikrobiyal pigment üretimi, Poster sunum, 22. Ulusal Biyoloji Kongresi, Eskişehir, (2014).
36. Gungormedi G., Çakmak H., Sunguroğlu C., Mutlu MB., Çabuk A., Halofilik Arke ve Bakterilerin Poli-β-hidroksibütirat Üretim Yeteneklerinin Belirlenmesi, Poster sunum, 22. Ulusal Biyoloji Kongresi, Eskişehir, (2014).
37. İlhan S., Kocabıyık Y.E., Dağ İ., Aytar P., Gedikli S., Asidik Çevrelerin Bir Üyesi *Talaromyces aculeatus*: Türkiye İçin İlk Kayıt, Poster sunum, 1.Ulusal Mikoloji Günleri, Erzurum (2014).
38. Bozkurt D., Çelik PA., Sönmez GD, Mutlu MB, Korkmaz F., Çabuk A., Bor İçeren Çevresel Örneklerden Bakteri İzolasyonu ve Elde Edilen İzolatların Bor Toleranslarının Belirlenmesi, Poster sunum, 18. Biyoteknoloji Kongresi, Konya (2015)
39. Erol S., Katar Ş., Çelik PA., Çabuk A., Özdemir M., Tekstil Endüstrisinde Kullanılan Reaktif Boyarmaddelerin Adsorpsiyon Kinetiğinin İncelenmesi, Poster sunum, 18. Biyoteknoloji Kongresi, Konya (2015)
40. Katar Ş., Erol S., Çelik PA., Özdemir M., Çabuk A., Asidik Maden Drenajından İzole Edilen *Talaromyces* sp. ile Bazı Asidik Reaktif Boyarmaddelerin Biyosorpsiyonu, Poster sunum, 18. Biyoteknoloji Kongresi, Konya (2015)
41. Toptaş Y., Çelik PA., Gedikli S., Güngörmedi G, Sudağdan M, Çökmüş C., Çabuk A., Öktem HA, Sivas Kangal Bölgesi Linyitlerinin Biyolojik Olarak İyileştirilebilirliği, Poster sunum, 18. Biyoteknoloji Kongresi, Konya (2015)
42. Güngörmedi G., Gedikli S., Toptaş Y., Çelik PA, Çabuk A., Öktem HA, Mezofilik ve Termofilik Bakterilerden elde edilen Proteazın Deterjan Uygulamalarındaki Kullanılabilirliği, Poster sunum, 18. Biyoteknoloji Kongresi, Konya (2015)
43. Gedikli S., Toptaş Y., Çelik PA., Güngörmedi G., Çabuk A., Öktem HA., Mikrobiyal Gübre Potansiyeli Olan Bakterilerin Eldesi, Poster sunum, 18. Biyoteknoloji Kongresi, Konya (2015)
44. Birhanlı E., Yeşilada Ö., Çabuk A. Çeşitli Tekstil Boyalarının Yeni İzole Edilmiş *Bacillus megaterium* İle Renginin Giderimi, Poster Sunum, 23. Ulusal Biyoloji Kongresi, Gaziantep, (2016).

### 9- TEACHING ACTIVITIES (Last 3 Years)

Academic Year	Term	Lessons	Week Hours		Student
			Theoretical	Practical	
2013-2014	Fall	<b>General Biology I</b>	5		41
		<b>Applied Biotechnology I (I. Education.)</b>	4	2	4
		<b>Applied Biotechnology I (II. Education.)</b>	4	2	3
		Specialization course (Msc)	3		3
		Interaction Microorganisms and Metal	3		1
		Specialization course (PhD)	3		2
		Specialization course (Msc)	3		2
		Industrial Microorganism and Seconder Metabolits (PhD)	3		7
	Spring	<b>General Biology i II</b>	5		42
		<b>Bioeconomy</b>	3		57
		<b>Applied Biotechnology II</b>	4	2	5
		<b>Archea Biology</b>	2		9
		<b>Applied Biotechnology I (II. Education.)</b>	4	2	2
		Specialization course (Msc)	3		2
		Specialization course (PhD)	3		2
Microbial Treatment		3		3	
Specialization course (Msc)	3		3		
2014-2015	Fall	<b>General Biology I</b>	5		47
		<b>Microbial Ecology</b>	3		15
		<b>Applied Biotechnology I</b>	4	2	4
		<b>Applied Biotechnology I (II. Education.)</b>	4	2	2
		Specialization course (Msc)	3		1
		Specialization course (PhD)	3		2
		Industrial Microorganism and Seconder Metabolits (PhD)	3		4
	Spring	<b>Genel Mikrobiyoloji</b>	2		35
		<b>Bioeconomy</b>	3		22
		<b>Archea Biology</b>	2		10
		<b>Microbial Biotechnology</b>	3		8
		Specialization course (Msc)	3		1
Specialization course (PhD)	3		1		
2015-2016	Fall	<b>General Biology I</b>	5		39
		<b>Microbial Ecology</b>	3		5
		<b>Applied Biotechnology I</b>	4	2	2

		Industrial Microorganism and Seconder Metabolits (PhD)	3		1
		Specialization course (Msc)	3		1
		Specialization course (PhD)	3		1
	Spring	<b>Bioeconomy</b>	3		16
		<b>Biotechnology II</b>	2		14
		<b>Applied Biotechnology II</b>	2	2	2
		Specialization course (Msc)	3		1
		Specialization course (PhD)	3		2
	Summer	Specialization course (PhD)	3		2
		<b>Biotechnology II</b>	2		9
2016-2017	Fall	<b>General Biology I</b>	5		29
		<b>Microbial Ecology</b>	2	2	4
		<b>Applied Biotechnology I</b>	2	2	2
		Industrial Microorganism and Seconder Metabolits (PhD)	3		2
		Specialization course (Msc)	3		1
		Specialization course (PhD)	3		1
		Specialization course (PhD)	3		2

## 11- AWARDS/SCHOLARSHİPS

1. TUBİTAK-BAYG Native Doctoral Scholarship Program

## 12. PATENTS

1. Çabuk, A., Güngörmedi, G., Denkbaz, E.B., Çınar, S., Demirbilek, M., Mutlu, M.B., "A Method of Production Poly-β-hydroxybutyrate ", Türk Patent Enstitüsü, App. Number: 2013/15639, Publication Date: 21.07.2015.

## 13- ADMINISTRATIVE GOAL

1. 2008-2011: Eskisehir Osmangazi University, Science Research and Application Center Assistant Director
2. 2009-2016: Eskisehir Osmangazi University Institute of Science Assistant Director
3. 2012-... : Eskisehir Osmangazi University Institute of Science Head of Department of Biotechnology and Biosecurity
4. 2013-2016: Eskisehir Osmangazi University Continuous Education Center Advisory Board Membership
5. 2013-...: Eskisehir Osmangazi University Director of Technology Transfer Office Research and Application Center
6. 2016-...: Eskişehir Osmangazi University, University Board Member

#### **14-OTHER ACTIVITIES**

1. Jury Member, International Young Naturalists' Tournament (IYNT), 30 April-5 May 2013).
2. Member of the Organizing Committee, Panel on National Biosafety and Biodiversity Issues (11 April 2013, Eskişehir)
3. Member of the Organizing Committee, Graduate School of Natural and Applied Sciences Graduate Education Symposium (FENBİLKON-5), 16-18 May 2013.
4. Çabuk A, Mutlu MB., Classical and molecular methods used to determine bacterial and archaeal diversity, Panel: Microbial diversity of Turkey, panelist, oral presentation, 20. National Biology Congress, Denizli, 2010.
5. 22. National Biology Congress Secretary, Eskişehir, 23-27 June 2014.
6. Member of the Scientific and Organizing Committee, 18th National Biotechnology Congress, Konya, 18-20 December 2015
7. Member of the Scientific Committee, 23rd National Biology Congress, Gaziantep, 01-05 September 2016

#### **15 MEMBERSHIPS FOR SCIENTIFIC ASSOCIATION**

1. Biyoteknoloji Derneği
2. Biyologlar Derneği
3. Avrupa Biyoteknoloji Federasyonu