

Curriculum Vitae



1. Name & Surname: Ali ÜNYAYAR
2. Date of Birthday: March 18, 1962 CYPRUS
3. Title: Professor Dr.

4. Educational Background:

| Degree | Department | University/Country | Date |
|--------|--------------------------|----------------------|------|
| BA | BIOLOGY | Hacettepe University | 1985 |
| MA | MICROBIOLOGY | Hacettepe University | 1988 |
| PhD | MOLECULAR BIOLOGY | İnönü University | 1992 |

5. Academic Titles Awarded:

| Title | Department | University | |
|---------------------|---------------------------|-------------------|-----------|
| Research Assistant | Molecular Biology | İnönü University | 1987-1993 |
| Assistant Professor | Environmental Engineering | İnönü University | 1994-2010 |
| Associate Professor | Environmental Engineering | Mersin University | 2010-2015 |

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| Professor | Environmental Engineering | Mersin University | 2015- |
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6. Postdoctoral Research

| COUNTRY | UNIVERSITY | TOPIC | |
|---------------|-------------------|--|-----------|
| NORTH IRELAND | ULSTER UNIVERSITY | “Research of Molecular Biology of Geobacilli and Functional and Comparative Genomics of Hydrocarbon Degrading Genes“ | 2005-2006 |
| NORTH IRELAND | ULSTER UNIVERSITY | “Cytotoxic effect of White Rot Fungi on Cancer Cell Lines” | 2005-2006 |

7. Postgraduated Theses Supervised

| | Student Name | Title |
|-----|---------------------|--|
| PhD | Mehmet Ali Mazmancı | Color removal of diazo stain-reactive black 5 by using white rot fungus <i>Funalia trogii</i> |
| MA | Mehmet Ali Mazmancı | Biodegradation of a thiazine dye methylene blue by the white rot fungus <i>Coriolus versicolor</i> |
| MA | Kuddis Büyükkakılı | Removal of the color by using the everzol brilliant blue R / SP dye used in textile industry by <i>funalia trogii</i> culture filtration |
| MA | Tayfun Deveci | Investigation of the effect of laccase peroxidase and catalase on color removal of remazol brilliant blue by using white rot fungi |
| MA | Havva Duygu Özsoy | The color removal of reactive dyestuffs remazol brilliant blue and drimaren blue x3LR by white rot fungus |
| MA | Nelisa Türkoğlu | Investigation of production of cellulase, laccase and peroxidase enzymes used in the textile industry in <i>Phanerochaete chrysosporium</i> ME 446 and <i>Funalia trogii</i> fungi |
| MA | Betül Yıldırım | Monitoring of Mersin medical waste management and Steam sterilization of medical wastes with indicator Bacteria |
| MA | Sibel Şık | Investigation of bio-pulp usability of cotton slab, an agricultural waste |
| MA | Erman Özer | Isolation and Identification of Thermophilic Bacteria Which Can be Used in the Decomposition of Hydrocarbons |

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| MA | Ece Halisdemir | Composite Membrane Synthesis Containing phthalocyanine functionalized by Zinc and Cobalt and the investigation of Antibacterial Properties |
| MA | Özlem Sansarcı | Remazol Brilliant Blue-R Remazol Red Rr Dystar Paint And Optimization Of Substances With White Rot Fungus Trametes Versicolor |
| MA | Yeşim Akyılmaz Arık | Investigation Of The Increase Of Antibiotic Efficacy Of Escherichia Coli (E.coli) Bacteria By Using Thyme Oil And Biosurfactant |

8. Interest Areas

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| Bioremediation |
| Thermophilic Bacteria |
| Fungal Biotechnology |
| White Rot Fungi |
| Environmental Biotechnology |

9. Books

9.1 International book (Chapter writing)

Erkurt, E.; Erkurt, H.; **Unyayar, A.** Biodegradation of Azo Dyes, ISBN: 978-3-642-11846-3, Elsevier, Berlin, Germany, 2010.

9.2 National book

Ali Ünyayar, Environmental microbiology and biotechnology (In press), Atlas Academi Press, Dizgi Ofset, Konya.

10. Publications

10.1 Articles

- 1- Dizge, N.; Gonuldas, H.; Ozay, Y.; Ates, H.; Ocakoglu, K.; Harputlu, E.; Yildirimcan, S.; Unyayar, A. Synthesis and performance of antifouling and self-cleaning polyethersulfone/graphene oxide composite membrane functionalized with photoactive semiconductor catalyst. *WATER SCIENCE AND TECHNOLOGY*, 2017, 75, 670-685.

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| <p>2- Dizge, N.; Ozay, Y.; Simsek, U.; Gulsen, H.; Akarsu, C.; Turabik, M.; Unyayar, A.; Ocakoglu, K. Preparation, characterization and comparison of antibacterial property of polyethersulfone composite membrane containing zerovalent iron or magnetite nanoparticles. MEMBRANE WATER TREATMENT, 2017, 8 , 51-71.</p> |
| <p>3- Ozay, Y.; Dizge, N.; Gulsen, H.; Akarsu, C.; Harputlu, E.; Ozer, E.; Unyayar, A.; Ocakoglu, K. Investigation of electroactive and antibacterial properties of polyethersulfone membranes blended with copper nanoparticles. WILEY-BLACKWELL, 2016, 44 , 930-937.</p> |
| <p>4- Dizge, N.; Gonuldas, H.; Ozay, Y.; Ates, H.; Ocakoglu, K.; Harputlu, E.; Yildirimcan, S.; Unyayar, A. Synthesis and performance of antifouling and self-cleaning polyethersulfone/graphene oxide composite membrane functionalized with photoactive semiconductor catalyst. IWA PUBLISHING, 2016, 7 , 0-0.</p> |
| <p>5- Rashid, S.; Unyayar, A.; Mazmanci, M.; Mckeown, S.; Worthington, J.; Banat, I. Potential of a <i>Funalia trogii</i> laccase enzyme as an anticancer agent. ANNALS OF MICROBIOLOGY, 2015, 65, 175-183.</p> |
| <p>6- Yalin, S.; Comelekoglu, U.; Mazmanci, B.; Balli, E.; Eroglu, P.; Sogut, F.; Berkoz, M.; Mazmanci, M.; Yalin, E.; Unyayar, A. Effect of <i>Funalia trogii</i> in heart tissue of rats exposed to deltamethrin. TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, 2012, 37, 239-244, 2011.</p> |
| <p>7- Mazmanci, B.; Mazmanci, M.; Unyayar, A.; Unyayar, S.; Cekic, F.; Deger, A.; Yalin, S.; Comelekoglu, U. Protective effect of <i>Funalia trogii</i> crude extract on deltamethrin-induced oxidative stress in rats. FOOD CHEMISTRY, 2011, 125, 1037-1040.</p> |
| <p>8- Rashid, S.; Unyayar, A.; Mazmanci, M.; Mckeown, S.; Banat, I.; Worthington, J. A study of anti-cancer effects of <i>Funalia trogii</i> in vitro and in vivo. FOOD AND CHEMICAL TOXICOLOGY, 2011, 49, 1477-1483.1/5 2010.</p> |
| <p>9- Mazmanci, M.; Unyayar, A. Decolorization efficiency of <i>Funalia trogii</i> under static condition: Effect of C: N ratios. AFRICAN JOURNAL OF BIOTECHNOLOG , 2010, 9, 6539-6544. 2009</p> |

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| 10- Erkurt, E.; Unyayar, A. ; Kumbur, H.; Erkurt, H. Decolorization of Remazol Brilliant Blue Royal and Drimaren Blue CL-BR by white rot fungi. NEW BIOTECHNOLOGY, 2009, 25, S53-S54. |
| 11- Mazmanci, M.; Unyayar, A. ; Erkurt, E.; Arkci, N.; Bilen, E.; Ozyurt, M. Colour removal of textile dyes by culture extracts obtained from white rot fungi. AFRICAN JOURNAL OF MICROBIOLOGY RESEARCH, 2009, 3, 585-589. |
| 12- Marchant, R.; Franzetti, A.; Pavlostathis, S.; Tas, D.; Erdbrugger, I.; Unyayar, A. ; Mazmanci, M.; Banat, I. Thermophilic bacteria in cool temperate soils: are they metabolically active or continually added by global atmospheric transport. APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, 2008, 78, 841-852. |
| 13- Erkurt, E.; Unyayar, A. ; Kumbur, H. Decolorization of synthetic dyes by white rot fungi, involving laccase enzyme in the process. PROCESS BIOCHEMISTRY, 2007, 42, 1429-1435 |
| 14- Unyayar, A. ; Demirbilek, M.; Turkoglu, M.; Celik, A.; Mazmanci, M.; Erkurt, E.; Unyayar, S.; Cekic, O.; Atacag, H. Evaluation of cytotoxic and mutagenic effects of <i>Coriolus versicolor</i> and <i>Funalia trogii</i> extracts on mammalian cells. DRUG AND CHEMICAL TOXICOLOGY, 2006, 29, 69- 83. |
| 15- Mazmanci, M.; Unyayar, A. Decolourisation of Reactive Black 5 by <i>Funalia trogii</i> immobilised on <i>Luffa cylindrica</i> sponge. PROCESS BIOCHEMISTRY, 2005, 40, 337-342. |
| 16- Ozsoy, H.; Unyayar, A. ; Mazmanci, M. Decolourisation of reactive textile dyes drimarene blue X3LR and remazol brilliant blue R by <i>Funalia trogii</i> ATCC 200800. BIODEGRADATION , 2005, 16 , 195-204. |
| 17- Unyayar, A. ; Mazmanci, M.; Atacag, H.; Erkurt, E.; Coral, G. A Drimaren Blue X3LR dye decolorizing enzyme from <i>Funalia trogii</i> : one step isolation and identification. ENZYME AND MICROBIAL TECHNOLOGY, 2005, 36, 10-16. |
| 18- Unyayar, A. ; Mazmanci, M.; Erkurt, E.; Atacag, H.; Gizir, A. Decolorization kinetics of the azo dye Drimaren Blue X3LR by laccase. REACTION KINETICS AND CATALYSIS LETTERS, 2005, 86, 99-107. |
| 19- Deveci, T.; Unyayar, A. ; Mazmanci, M. Production of Remazol Brilliant Blue R decolourising oxygenase from the culture filtrate of <i>Funalia trogii</i> ATCC 200800. JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, 2004, 30, 25-32. |

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| 20- Yurekli, F.; Unyayar, A. ; Porgali, Z.; Mazmanci, M. Effects of cadmium exposure on phytochelatin and the synthesis of abscisic acid in <i>Funalia trogii</i> . ENGINEERING IN LIFE SCIENCES, 2004, 4, 378-380. |
| 21- Mazmanci, M.; Unyayar, A. ; Ekiz, H. Decolorization of methylene blue by white rot fungus <i>Coriolus versicolor</i> . FRESENIUS ENVIRONMENTAL BULLETIN, 2002, 11, 254-258. |
| 22- Unyayar, S.; Unal, E.; Unyayar, A. Relationship between production of 3-indoleacetic acid and peroxidase-laccase activities depending on the culture periods in <i>Funalia trogii</i> (<i>Trametes trogii</i>). FOLIA MICROBIOLOGICA, 2001, 46, 123-126. |
| 23- Urgun, M.; Unyayar, A. ; Nalcaci, O. An alternative source and technology for the production of pulp and paper. 7TH INTERNATIONAL CONFERENCE ON BIOTECHNOLOGY IN THE PULP AND PAPER INDUSTRY - POSTER PRESENTATIONS VOL C, 1998, 175-181. |
| 24- Ünyayar, S.; Topçuoğlu, F.; A., Unyayar . A Modified Method For Extraction and Identification Of Indol-3-Acetic Acid (IAA), Gibberellic Acid (GA3), Abscisic Acid (ABA) And Zeatin Produced By <i>Phanerochaete chrysosporium</i> . BULGARIAN JOURNAL OF PLANT PHYSIOLOGY, 1996, 22, 105-110. |

10.2 Papers

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| <p>International - Abstract - Oral</p> <p>1- Bekatorou , A.; Mallouchos, A.; Kanellaki , M.; Komaitis , M.; Ünyayar, A., Valorisation Of Brewer's Solid Wastes Through Microbial Treatment “, . Protection and Restoration of the Environment IX, 2008-06-29, 2008-07-03, Kefalonia, Yunanistan, 2008.</p> |
| <p>International - Abstract - Poster</p> <p>2- Eroğlu , P.; Yalın , S.; Çömelekoğlu, Ü.; Söğüt , F.; Ballı , E., Ünyayar, A, Deltamethrin-Induced Damage in Rat Heart and its Attenuation by <i>Funalia trogii</i>. 9th International Symposium on Pharmaceutical Science, 2009-06-23, 2009-06-26, Ankara, Türkiye, 2009.</p> |
| <p>3- Erkurt , E.; Mazmancı , M.; Erkurt , H.; Ünyayar, A., Decolorization of Drimarene Blue K2-RL By <i>Funalia trogii</i> ATCC 200800 Culture Filtrate Immobilized in Alginate Beads. International Conference on Environment: Survival and Sustainability, 2007-02-19, 2007-02-24, Nicosia, Kıbrıs Rum Kesimi, 2007.</p> |
| <p>4- Franzetti , A.; Bestetti , G.; Marchant , R.; Pavlostathis , S.; Tas , D., Ünyayar, A Thermophilic bacteria in cool temperate soil environments: are they metabolically active or continually added by global atmospheric transport. XXV Conference of Italian Society of General Microbiology and Biotechnology (SIMGBM) , 2006-06-08, 2006-06-10, Orvieto, İtalya, 2006.</p> |

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| <p>5- Ünyayar, A.; Demirbilek, M.; Turkoglu, M.; Mazmancı , M.; Erkurt , E., Cytotoxic activities of <i>Funalia trogii</i> (Berk.) Bond. Et. Singer ATCC 200800 Bioactive extract on Hela cells and fibroblast cells. The third International Medicinal Mushroom Conference, International Journal of Medicinal Mushrooms, 7, 2005-10-11, 2005-10-20, WASHINGTON, Amerika Birleşik Devletleri, 2005.</p> |
| <p>6- Urgun, M.; Nalçacı, O.; Ünyayar, A.; Mazmancı, M., An Alternative Technology for the Production of Pulp and Paper: Biopulp. ”, 8th European Congress on Biotechnology, 1997-08-17, 1997-08-21, BUDAPEST, Macaristan, 1997.</p> |
| <p>7- Öztürk, F.; Baydar, G.; Ünyayar, A.; Taner, F.; Mazmancı, M., “Anaerobic Biodegradation of Methylene Blue by <i>Bacillus subtilis</i>. 8th European Congress on Biotechnology, 1997-08-17, 1997-08-21, BUDAPEŞTE, Macaristan, 1997.</p> |
| <p>8- Ünyayar, A.; Mazmancı, M.; Urgun, M.; Ekiz, İ., Degradation of Methylene Blue by White-rot Fungi <i>Coriolus versicolor</i>”. 8th European Congress on Biotechnology, 1997-08-17, 1997-08-21, BUDAPESTE, Macaristan, 1997.</p> |
| <p>9- Ünyayar, S.; Topcuoğlu , F.; Ünyayar, A., A Modified Method for Extraction and Identification of Indole-3-Acetic Acid (IAA), Gibberellic Acid (GA3), Absciscic Acid (ABA) and Zeatin Produced by <i>Phanerochaete chrysosporium</i> ME446”. 10th FESPP Congress, Plant Physiology and Biochemistry (Special Issue), 1996-09-09, 1996-09-13, Florence, İtalya, 1996.</p> |
| <p>National - Full Text – Oral</p> |
| <p>10- Ayten, N.; Ay, T.; Ünyayar, A.; Erkurt, E.; Mazmancı, M., The color removal of dyestuff Drimaren blue K2RL Blue with <i>Funalia trogii</i>, white rot fungus, that immobilized to <i>Luffa cylindrica</i>. VI. National Environmental Engineering Congress, İstanbul, Türkiye, 2005.</p> |
| <p>11- Ünyayar, A.; Mazmancı, M.; Erkurt, E.; Erkurt, H., “Reactive Dye Decolorization by Some White Rot Fungi Under Static Condition. European Ecological Congress, KUŞADASI / İZMİR, Türkiye, 2005.</p> |
| <p>12- Mazmancı , M.; Ünyayar, A., The color removal of Diazo dyestuff Reactive Black 5 with immobilized-<i>F. trogii</i>. Environmental Pollution Priorities in Turkey Congress, Kocaeli, Türkiye, 2003.</p> |
| <p>13- Mazmancı, M.; Ünyayar, A.; Erkurt, E., The color removal of Drimarene X3LR by immobilized-fungi V. National Environmental Engineering Congress, Ankara, Türkiye, 2003.</p> |
| <p>14- Erkurt, E.; Ünyayar, A.; Mazmancı, M.; Ataçağ , H., Investigation of enzymes removing of color of Drimarene Blue X3LR in <i>Funalia trogii</i>. XIII. Biotechnology Congress, Çanakkale, Türkiye, 2003.</p> |
| <p>15- Büyükakıllı, K.; Ünyayar, A.; Mazmancı, M., The color removal of Everzol Brilliant Blue R/SP used in textile industry with culture filtrate of <i>Funalia trogii</i>. Recent Developments in Textile Technology and Chemistry Congress, BURSA, Türkiye, 2003.</p> |

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| 16- Deveci , T.; Ünyayar, A. ; Mazmançı , M.; Özsoy , H., The color removal of Remazol Black B (Reaktif Black 5) by white rot fungi. IV. Engineering and Architecture Congress, Balıkesir, Türkiye, 2002. |
| 17- Mazmançı , M.; Ünyayar, A. ; Çakmak, E.; Özsoy , H., Investigation of color removal and COD of synthetic textile waste water by using five stage Bardenpho system. IV. Engineering and Architecture Congress, Balıkesir, Türkiye, 2002. |
| 18- Avcı, E.; Zeren , O.; Ünyayar, A. ; Uysal , Y.; Arslan , H., Investigation of effect of water plant <i>Lemna minor</i> L. in removal of fecal coliform bacterium (<i>Escherichia coli</i>) from domestic waste water. 4. GAP Engineering Congress, Şanlıurfa, Türkiye, 2002. |
| 19- Özsoy, H.; Mazmançı, M.; Ünyayar, A. ; Deveci , T., The color removal of textile dyestuff Remazol Brilliant Blue R with white rot fungi. IV. National Environmental Engineering Congress, Mersin, Türkiye, 2001. |
| 20- Deveci, T.; Ünyayar, A. ; Özsoy , H.; Mazmançı , M., The color removal of Drimaren Blau X3LR by White rot fungi at 24 hours. XII. Biotechnology Congress, Balıkesir, Türkiye, 2001. |
| 21- Deveci , T.; Mazmançı , M.; Ünyayar, A. ; Özsoy, H., The effect on color removal of Remazol Brillant Blue R with culture filtrate of <i>Funalia trogii</i> in solid phase fermentation. XII. Biotechnology Congress, Balıkesir, Türkiye, 2001. |
| 22- Özsoy, H.; Deveci , T.; Ünyayar, A. ; Mazmançı , M., The color removal of Remazol Brilliant Blue R with culture filtrate of <i>Trametes versicolor</i> . National Industry-environmental Congress and Exhibition, Mersin, Türkiye, 2001. |
| 23- Ünyayar, A. ; Göksu, Ö.; Mazmançı, M.; Özsoy , H.; Deveci , T., The removal of textile dyestuff with consecutive anaerobic-anoxic-aerobic bioreactors. IV. National Environmental Engineering Congress, Mersin, Türkiye, 2001. |

11. Citations



Google Akademik

Fotoğraf ekleyin
Profilinizi tamamlayın **EKLE**

Katkıda bulunan yazar ekle
Katkıda bulunan yazar önerilerimiz var. **EKLE**

PROF. DR. ALI ÜNYAYAR ✎ **TAKIP EDİLİYOR**

GİRNE AMERİKAN ÜNİVERSİTESİ TIP FAKÜLTESİ DEKANI
gau.edu.tr üzerinde doğrulanmış e-posta adresine sahip - [Ana Sayfa](#)
Çevre biyoteknolojisi ve mi... Kanser araştırmaları Mantar Renk giderimi

| BASLIK | ALINTI YAPANLAR | YIL |
|---|-----------------|------|
| <input type="checkbox"/> The handbook of environmental chemistry, volume 3-part D: Anthropogenic compounds O Hutzinger Springer-Verlag New York Inc., New York, NY | 257 | 1986 |
| <input type="checkbox"/> Decolorization of synthetic dyes by white rot fungi, involving laccase enzyme in the process EA Erkurt, A Ünyayar, H Kumbur Process Biochemistry 42 (10), 1429-1435 | 150 | 2007 |
| <input type="checkbox"/> Decolourisation of Reactive Black 5 by <i>Funalia trogii</i> immobilised on <i>Luffa cylindrica</i> sponge MA Mazmanci, A Ünyayar Process Biochemistry 40 (4), 337-343 | 140 | 2005 |

Alıntı yapılan **TÜMÜNÜ GÖRÜNTÜLE**

| | Hepsi | 2016 yılından bugüne |
|-------------|-------|----------------------|
| Alıntılar | 1281 | 420 |
| h-endeksi | 16 | 12 |
| i10-endeksi | 18 | 12 |

Katkıda bulunan yazarlar **DÜZENLE**

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12. Research Projects

- 1- 1,3-Propanediol Production from vinasse by fermentation method (Ongoing), Project no: 2017-2-AP5-2303, 2017, **Mersin University Research Fund-(Project Leader)**.
- 2- Investigation of isolation and utilization potentials of thermophilic bacteria in oil contaminated soils (ongoing), Project no: 2017-2-AP5-2281, 2017, **Mersin University Research Fund-(Project Leader)**.
- 3- Investigation of Biosurfactant Synthesis in Microorganisms Isolated from Mersin Province (ongoing), Project no:2017-1-TP2-2273, 2017, **Mersin University Research Fund-(Project Leader)**.
- 4- Examination of Antibacterial Properties of Composite Membrane Synthesis Containing Phthalocyanine Functionalized with Zinc and Cobalt (ongoing), Project no: 2017-1-TP2-2184, 2017, **Mersin University Research Fund-(Project Leader)**.
- 5- **Investigation of alternative bacteria as biological indicator in pressurized steam sterilization (ongoing)**, Project no: 2017-1-TP2-2206, 2017, **Mersin University Research Fund-(Project Leader)**.

14. Theses

MA Thesis; Use of white rot fungi in the production Biopulp (Supervisor: Nazif KOLANKAYA).

PhD Thesis; Investigation of the relationship between lignolytic enzyme system and abscisic acid in white rot fungi with a biotechnological approach (Supervisor: Kayahan FIŞKIN)

15. Membership In Professional Societies

- Biological Association, 1989- ongoing
- Biotechnology Association, 1990- ongoing

16. Reviewer Activities

1. Journal of Chemical Technology and Biotechnology
2. The Textile Research Journal
3. Bioresource Technology
4. Biochemical Engineering Journal
5. Journal of The Science of Food and Agriculture