

Curriculum vitae

Orkun Pinar



Birth date and place: 19.06.1984, İzmir, Turkey

Nationality: Turkish

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AREA of INTEREST

- Industrial Biotechnology, Fermentation technologies, Biopolymer production, Bioprocess design, Recombinant DNA technology, Microbial genetics, Prokaryotic and Eukaryotic Expression systems, Enzyme production, Recombinant enzyme production.

LANGUAGES

- English: Proficient
- Turkish: Mother tongue

EDUCATION

- 2009 - 2017, İstanbul Technical University (İstanbul-Turkey): Molecular Biology, Genetics and Biotechnology, Ph.D. Program, Ph.D.
- 2006 - 2009, İstanbul Technical University (İstanbul-Turkey): Molecular Biology, Genetics and Biotechnology, Master Program, M.Sc.
- 2004 - 2014, Anadolu University (Open University): Faculty of Business Administration, Department of Business Administration, B.Sc.
- 2002 - 2006, Ege University (İzmir-Turkey): Faculty of Engineering, Department of Bioengineering, B.Sc.

WORK EXPERIENCE

- **December 2022-still, Lappeenranta-Lahti University of Technology LUT, School of Engineering Science, Separation Science, Post-doctoral researcher.**

I am working as a post-doctoral researcher at LUT University, School of Engineering Science, Separation Science in Biotechnology and Bioengineering Group under supervision of Prof. Susana Rodriguez-Couto. My research topic is based on water technology. My main duties are research work, article publications, research funding acquisition, and student supervision.

- **May 2019-still, BacPolyZyme Bioengineering LLC, Marmara University Technopark İstanbul, Co-founder.**

I am co-founder of BacPolyZyme Bioengineering (www.bacpolyzyme.com) which was founded in 2019 that produces bio-based materials from industrial/agricultural wastes using microorganisms isolated from local ecosystems with a zero-waste and green chemistry concept for low-cost and highly scalable processes to contribute to global circular bioeconomy. BacPolyZyme provides basic and advanced bioprocess related services for manufacturers that want to produce industrial enzymes, biofuels, organic acids, biopolymers, and pharmaceuticals through fermentation processes. I am coordinating and closely working with the managing director, sharing responsibilities for providing research, strategic, financial, and operational activities.

- **March 2011 - still, Marmara University, Faculty of Engineering, Bioengineering Department, Research assistant.**

Beside my research, I have given several laboratory courses such as Molecular Biology and Genetics, Microbiology, Biochemistry, and Bioprocess Design Lab. until 2017. After my Ph.D, I have given my own graduate/undergraduate courses such as Molecular Biology and Genetics, General Biology, Protein Engineering, Recombinant DNA Technology, Industrial and Environmental Biotechnology, Eukaryotic Biotechnology, and Methods in Biotechnology. I also co-supervise master's students in the university for their thesis.

WORK EXPERIENCE (CONTINUED)

- **March - June 2017, Arizona State University, School of Molecular Sciences, Post-doctoral researcher.**

I worked as a postdoctoral researcher at Arizona State University, School of Molecular Sciences for 3 months in Ghirlanda research group and I conducted research for a short time which was funded by NIH Project entitled as "New Tools for Glycoscience: Engineering Targeted Lectins by Computer-Guided Directed Evolution".

- **January 2009 - February 2011, TÜBİTAK Marmara Research Center, Genetic Engineering and Biotechnology Institute (GEBİ), Enzyme and Microorganism Molecular Genetics Laboratory, Researcher.**

I worked as a researcher in project entitled as "Production of Industrial Enzymes for the Feed Industry (YEM-EN)" at Enzyme and Microorganism Molecular Genetics Laboratory. I was responsible for the molecular cloning activities and the production of phytase, xylanase, and beta-glucanase enzymes. I participated in a published patent about the production of animal feeding enzymes which is from this project.

- **July 2007 - January 2009, İstanbul Metropolitan Municipality - İstanbul Technical University Collaboration, "Microbial analysis of sea water" team (İstanbul coasts), Researcher/ Junior Team Leader.**

I led a six-person team for "Microbial analysis of sea water" at İstanbul Metropolitan Municipality - İstanbul Technical University Collaboration. Beside microbial analysis, I was also responsible for experiments for microbial samples, the organization of individual responsibilities of our team's duties, the evaluation of microbial loads of sea, reporting to my superior, and take charge in as joint person between İstanbul Metropolitan Municipality and İstanbul Technical University.

- **June 2005 - July 2005, Anadolu Efes Beverage Group, İzmir Efes Pilsen Factory, Trainee.**

I was a trainee who worked for production and laboratory analysis lines in the beer factory which is the superior beer brand.

PRACTICAL LABORATORY SKILLS

- Bioreactors, Fermentation Technologies, Biopolymer production, Bioprocess Design, Recombinant DNA Technology (Cloning, PCR techniques, RACE etc.), Homologous/Heterologous Expression Systems, Protein Purification Techniques, Chromatographic techniques (FPLC), Native/Recombinant Enzyme Production, DNA and Protein Extraction Techniques, Spectrophotometric Techniques (UV spectroscopy etc.), Electrophoresis (SDS/NATIVE-PAGE, Agarose Gel Electrophoresis etc.), Spectrometric techniques (Mass spectrometry) etc.

THESES

- Ph.D. Thesis: "Cloning of the Laccase cDNA from *Coriopsis polyzona* MUCL 38443 and Expression in *Pichia Pastoris*." (Supervision: Prof. Dr. Ayten Yazgan Karataş)
- MSc. Thesis: "The Effect of Global Control Elements on the Expression of *ywfH* Gene in *B. subtilis*." (Supervision: Prof. Dr. Ayten Yazgan Karataş)
- BSc. Thesis: "Analysis of Microalgae Taxonomy by Molecular Methods" (Supervision: Prof. Dr. Meltem Conk Dalay)

PAPERS

- Canpulat, M., Pinar, O., Yilmaz-Sercinoglu, Z., Kazan, D. 2022. Valorization of shrimp waste by obligate alkaliphilic *Bacillus marmarensis*, *Biomass Conversion and Biorefinery*, 1-11.
- Uras, A., Pinar, O.*, & Kazan, D. 2022. Determination of the Significance of the Most Effective Nutrients on Lipase Production from *Cryptococcus albidus* D24. *International Journal of Advances in Engineering and Pure Sciences, Int. J. Adv. Eng. Pure Sci.* 2022, 34(2): 217-228.
- Bozdağ, G., Pinar, O.*, Gündüz, O., & Kazan, D. 2021. Valorization of pea pod, celery root peel, and mixed-vegetable peel as a feedstock for biocellulose production from *Komagataeibacter hansenii* DSM 5602. *Biomass Conversion and Biorefinery*, 1-12.
- Atakav, Y., Pinar, O.*, Kazan, D.* 2021. Investigation of the Physiology of the Obligate Alkaliphilic *Bacillus marmarensis* GMBE 72T Considering Its Alkaline Adaptation Mechanism for Poly(3-hydroxybutyrate) Synthesis. *Microorganisms*, 9, 462.
- Pinar, O.*, Bozdağ, G., Yemişler, İ., Büyük, E. and Kazan, D., 2020. Complete Genome Sequence of a cellulose-producing bacteria *Komagataeibacter oboediens* BPZTR01. *Genetics & Applications*, 4(1), pp.38-40.

PAPERS

- Sayar, N.A., Durmaz-Şam, S., Pinar, O., Serper, D., Sarıyar-Akbulut, B., Kazan, D. and Sayar, A.A., 2019. Techno-economic Analysis of Caffeine and Catechins Production from Black Tea Waste. *Food and Bioproducts Processing*, 118, pp.1-12.
- Sayar, N.A., Pinar, O., Kazan, D. and Sayar, A.A., 2019. Bioethanol Production from Turkish Hazelnut Husk Process Design and Economic Evaluation. *Waste and Biomass Valorization*, 10(4), pp.909-923.
- Özgören, T., Pinar, O., Bozdağ, G., Denizci, A.A., Gündüz, O., Hatir, P.Ç. and Kazan, D., 2018. Assessment of poly (3-hydroxybutyrate) synthesis from a novel obligate alkaliphilic *Bacillus marmarensis* and generation of its composite scaffold via electrospinning. *International Journal of Biological Macromolecules*, 119, pp.982-991.
- Sahin, Y.M., Su, S., Ozbek, B., Yücel, S., Pinar, O., Kazan, D., Oktar, F.N., Ekren, N. and Gunduz, O., 2018. Production and characterization of electrospun fish sarcoplasmic protein based nanofibers. *Journal of Food Engineering*, 222, pp.54-62.
- Sayar, N.A., Kazan, D., Pinar, O., Akbulut, B.S. and Sayar, A.A., 2018. Retro-techno-economic evaluation of acetic acid production using cotton stalk as feedstock. *Journal of Material Cycles and Waste Management*, 20(4), pp.2077-2088.
- Pinar, O., Karaosmanoğlu, K., Sayar, N.A., Kula, C., Kazan, D. and Sayar, A.A., 2017. Assessment of hazelnut husk as a lignocellulosic feedstock for the production of fermentable sugars and lignocellulolytic enzymes. *3 Biotech*, 7(6), pp.367.
- Pinar, O., Behar, C.T. and Karataş, A., 2017. Heterologous expression and characterization of a high redox potential laccase from *Coriopsis polyzona* MUCL 38443. *Turkish Journal of Biology*, 41(2), pp.278-291.
- Bal, E., Pinar, O., Kazan, D., Öztürk, H. U. and Sayar, A. A. (2016). Immobilization of α -amylase from *Bacillus subtilis* SDP1 isolated from the Rhizosphere of *Acacia cyanophylla* Lindey. *Electronic Journal of Biology*, 12(2), pp.115-121.

PROJECTS

- **Project Name:** Microbial Based Polymer Production to Manufacture Innovative Medical Materials, **Project Type:** National, TÜBİTAK 1507 Programme Project, **Institution:** Bacpolyzyme Bioengineering LLC. **Role:** Researcher, **Project Start Date:** June 2021, **Project Status:** Ongoing.
- **Project Name:** Production of Highly Biocompatible and Biodegradable Microbial Polymers and Derivatives Synthesized by Enzyme Catalysis with Sustainable and Economical Processes, **Project Type:** National, KOSGEB Ar-Ge and Innovation Project, **Institution:** Bacpolyzyme Bioengineering LLC. **Role:** Researcher, **Project Start Date:** January 2019, **Project Status:** Completed.
- **Project Name:** Purification, Characterization and Investigation of Usability for Pharmaceutical Industry of Lipase Enzyme Produced from *Cryptococcus* Species Isolated from Petroleum Mud, **Project Type:** National, BAPKO project, **Institution:** Marmara University, Department of Bioengineering, **Role:** Researcher, **Project Start Date:** November 2018, **Task Start:** November 2018, **Project Status:** Ongoing.
- **Project Name:** Lipase Production from *Cryptococcus albidus* D24 using Waste Automotive Oil, **Project Type:** National, BAPKO project, **Institution:** Marmara University, Department of Bioengineering, **Role:** Project manager, **Project Start Date:** May 2018, **Project Status:** Completed.
- **Project Name:** Biosimilar Ranibizumab: Domestical Development and Production, **Project Type:** National, TÜBİTAK KAMAG 1007 project, **Institution:** Marmara University, Department of Bioengineering, **Role:** Researcher, **Project Start Date:** March 2016, **Project Status:** Completed.
- **Project Name:** New Tools for Glycoscience: Engineering Targeted Lectins by Computer-Guided Directed Evolution, **Project Type:** National Institute of Health (NIH), National Institute of Allergy and Infectious Diseases (NIAID), **Institution:** Arizona State University, School of Molecular Sciences, **Role:** Researcher, **Project Start Date:** March 2016, **Project Status:** Completed.
- **Project Name:** Production of Fermentable Sugars by Hydrolyses of Hazelnut husk, **Project Type:** National, TÜBİTAK 1002 project, **Institution:** Marmara University, Department of Bioengineering, **Role:** Research scholar, **Project Start Date:** June 2013, **Project Status:** Completed.
- **Project Name:** Cloning of Laccase cDNAs from *Coriopsis polyzona*, Expression in *Pichia Pastoris* Strain, and Characterization of Recombinant Laccases, **Project Type:** National, BAP project, **Institution:** Istanbul Technical University Molecular Biology-Genetics and Biotechnology, **Role:** Research scholar, **Project Start Date:** January 2012, **Project Status:** Completed.
- **Project Name:** Development and Characterization of New Biocatalists by Rational and Random Mutagenesis of Laccases from Different Sources, **Project type:** International, TÜBİTAK- ITALY project, **Institution:** Istanbul Technical University Molecular Biology-Genetics and Biotechnology, **Role:** Research scholar, **Project Start Date:** April 2008, **Project Status:** Completed.
- **Project Name:** Production of Industrial Enzymes for the Feed Industry (YEM-EN), **Project type:** National, TÜBİTAK TARAL 1007 project, **Institution:** TÜBİTAK MAM GMBE, **Role:** Researcher, **Project Start Date:** November 2008, **Project Status:** Completed.

PATENT and PATENT APPLICATIONS

- Sevnur Mandacı, Ferda Seyhan, Gaye Öngen, Ahmet Altan Eraslan, Dilek Kazan, Aziz Akin Denizci, Sadık Dinçer, Burhan Arkan, Hatice Korkmaz Güvenmez, Engin Yenice, Mehmet Bozkurt, Cengizhan Mızrak, Sayıt Sargin, Şevket Karaçancı, Nurçin Çelik Öztürk, Dilek Coşkuner Öztürk, Fatih Mehmet İpek, **Orkun Pinar**, Melis Savaşan Söğüt, Deniz Karasu, Bengü Öztürk, Mesude Banu Bahar, Kamil Küçükyılmaz, Abdullah Uğur Çatlı, Mustafa Çınar, Erol Binbaş, "Yem katkıları olarak kullanılmak üzere ksilanaz enzimi üretimi ve bu enzimden toz preparat ve kaplanmış ürün elde edilmesi yöntemi"(Production of xylanase enzyme to be used as feed additive and method of obtaining powder preparation and coated product from this enzyme, Turkey, 2014/04579. Patent Date: April 2019
- Elif Nur Avcı, Tuğçe Korkmaz, Prof. Dr. Dilek KAZAN, **Dr. Orkun PİNAR**, "Production of lipase enzyme from coffee wastes and obtaining sugar-fatty acid esters from coffee wastes with the produced lipase enzyme, Turkey, 2021/022150. Application date: December 2021. (Patent Application)
- Prof. Dr. Dilek KAZAN, **Dr. Orkun PİNAR**, Gülnihal BOZDAĞ, İdil YEMİŞER, " A Bio-Based Material and Its Production Method ", Turkey, 2020/14253, Application date: September 2020. (Patent Application)

SUPERVISED THESES

- "Evaluation of Spent Coffee Grounds as Feedstock for Enzyme Production", Student: Elif Nur AVCI Supervisor: Prof. Dr. Dilek KAZAN, Co-supervisor: Dr. Orkun PİNAR. (Completed in 2022)
- "The Effect of Different Additives on the Activity and Stability of Enzymes Used in the Detergent Industry", Student: Tuğçe Korkmaz, Supervisor: Prof. Dr. Dilek KAZAN, Co-supervisor: Dr. Orkun PİNAR. (Completed in 2022)
- "Development of a Side Flow Strip with Immobilized Proteins", Student: Ali Mişe, Supervisor: Prof. Dr. Dilek KAZAN, Co-supervisor: Dr. Orkun PİNAR. (Completed in 2021)
- "Purification and Characterization of Lipase Produced by *Cryptococcus* Strain Isolated from Petroleum Sludge", Student: Esra Büyük, Supervisor: Prof. Dr. Dilek KAZAN, Co-supervisor: Dr. Orkun PİNAR. (Completed in 2020)

AWARD(S)

- "A Biobased Material and Its Production Method", **First Place**, Prof. Dr. Dilek KAZAN, **Dr. Orkun PİNAR**, Gülnihal BOZDAĞ, İdil YEMİŞER, ÜSIMP National Patent Fair and University-Industry Cooperation National Congress, Patent Presentations (Pitching) session, November 2020.
- "A Biobased Material and Its Production Method", **Bronz Medal**, Prof. Dr. Dilek KAZAN, **Dr. Orkun PİNAR**, Gülnihal BOZDAĞ, İdil YEMİŞER, 5th International Inventions Fair - ISIF'20, September 2020.
- "**Technology Development**" award with "Production of Industrial Enzymes for Feed Industry" Project. TUBITAK Marmara Research Center, Research and Support Awards, January 2014.

BOOK CHAPTER

- Kazan, D., Pinar, O. Bölüm 14: Endüstriyel Biyoteknoloji ve Biyoyakıtlar, Güncel Biyoteknoloji ve Uygulamaları (Chapter 14: Industrial Biotechnology and Biofuels, Current Biotechnology and Its Applications) (2017), Erciyes Üniversitesi Yayınları, ISBN: 978-605-67442-0-4 (in Turkish).

PROCEEDINGS

- Beyza Topçu, Elif İlhan, Dilek Kazan, **Orkun Pinar**, Oğuzhan Gündüz "Piezoelectric Polymer-Based Electrospun Fiber Design for Advanced Arthritis Treatments", Virtual International Scientific Conference on "Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2022", 24 October 2022. (oral presentation by Beyza Topçu).
- **Orkun Pinar**, Dilek Kazan, "A Greener Way into a Sustainable World: Importance of Waste-based Renewable Feedstocks for Enzyme Industry", III. International Enzyme and Bioprocess Days / EBDays 2022, 09 - 11 September 2022, Tokat Gaziosmanpaşa University, Tokat, Turkey. (oral presentation by Dilek Kazan).
- Yağmur Atakav, **Orkun Pinar**, Dilek Kazan, "The effect of different agitation and aeration rates on the PHB production from *Bacillus marmarensis* GMBE 72T", III. International Enzyme and Bioprocess Days / EBDays 2022, 09 - 11 September 2022, Tokat Gaziosmanpaşa University, Tokat, Turkey. (oral presentation by Yağmur Atakav).
- Sevinç Güladağ, İpek Yağmur Abaoğlu, **Orkun Pinar**, Başak Özata, Doğan Taşkent, Dilek Kazan, "Glutenase activity of microorganisms isolated from homemade yogurt", III. International Enzyme and Bioprocess Days / EBDays 2022, 09 - 11 September 2022, Tokat Gaziosmanpaşa University, Tokat, Turkey.
- Tuğçe Korkmaz, Elif Nur Avci, **Orkun Pinar**, Dilek Kazan, "Effect of Additives on Protease Enzyme that Used in Detergent Formulations", 3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), 15-17 December 2021.
- Elif Nur Avci, Tuğçe Korkmaz, **Orkun Pinar**, Dilek Kazan, "Production of Lipase from Coffee Waste by *Cryptococcus diffluens* D44", 3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), 15-17 December 2021.
- Merve Canpulat, Zeynep Yılmaz-Serçinoğlu, **Orkun Pinar**, Dilek Kazan, "Valorisation of shrimp waste via of *Bacillus marmarensis* -obligate alkaliphilic bacterium- for protease production", 13th International Conference on Protein Stabilization, PROSTAB 2021, 7-9 October 2021. (oral presentation by Merve Canpulat).
- Büyük, E., Pinar, O., Yalçın, H.T., Atabay Taşkent, Z., Özalp, Y., Kazan, D., Taşkent, D. Purification and Characterization of Sugar Ester Producing Lipase from *Cryptococcus diffluens* D44, International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), 16-18 December 2020.
- Mişe, A., Pinar, O., Kazan, D. "A New Bio-Cellulose Based Lateral Flow Assay Design For Commercial Protein Detection (Ticari Protein Tespiti İçin Yeni Biyo-Selüloz Bazlı Yanal Akış Test Tasarımı), International Marmara Sciences Congress (Spring 2020), 19-20 July 2020, Kocaeli, Turkey.
- Yağmur Atakav, **Orkun Pinar**, Dilek Kazan, "Effect of carbon sources on poly(3-hydroxybutyrate) (PHB) synthesis from obligate alkaliphilic *Bacillus marmarensis*", 3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19-20 March 2020. (oral presentation by Yağmur Atakav)
- Büyük, E., Yalçın, H.T., Pinar, O., Kazan, D., "Purification and characterization of lipase produced by *Cryptococcus* strain isolated from petroleum sludge: Assessment of its application in industry area", 2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28-29 June 2019, Ankara, Turkey.
- Uras, A., Pinar, O., Büyük, E., Buldağ, Ö., Topal, H., Yıldız D.B., Yalçın, H.T., Kazan, D., "Lipase production from *Cryptococcus albidus* D24 using disposed automotive oil", 18th European Congress On Biotechnology, 1-4 July, 2018, Geneva, Switzerland.

PROCEEDINGS (CONTINUED)

- Bozdağ, G., Özgoren, T., **Pinar, O.**, Gündüz, O., Kazan, D., "Development of a promising electrospun bacterial cellulose-PHB scaffold for tissue engineering", 18th European Congress On Biotechnology, 1-4 July, 2018, Geneva, Switzerland.
- Ghirlanda, G., Ozkan, B., **Pinar, O.** and Kazan, C., "Engineering Antiviral Lectins by Computer-Guided Design and Evolution. 31st Annual Symposium of the Protein Society", July 24-27, Montreal, Canada.
- Uras, A., **Pinar, O.**, Sayar, N.A., Kazan, D., Sayar, A. A. "Growth Medium Optimization of *Cryptococcus albidus* D24 lipase by statistical design of experiments", 42nd FEBS Congress, 10-14 September 2017, Jerusalem, Israel.
- T. Ozgoren, B. Sirin, Ç. Çimenoglu, **O. Pinar**, A. A. Denizci, Kazan D. "Utilisation of poly(3-hydroxybutyrate) from *Bacillus marmarensis* GMBE 72^T (DSM21297) as scaffold", 41st FEBS Congress (The FEBS Journal 283), Molecular and Systems Biology for a Better Life, 3-8 September, 2016, Ephesus, Kuşadası, Aydın, Turkey.
- Bozdağ, G., Özgoren, T., **Pinar, O.**, Denizci, A.A., Kazan, D. "Poly(3-hydroxybutyrate) kaynağı *Bacillus marmarensis* GMBE 72^T (DSM 21297)", VIth National Polymer Science and Technology Congress, 4-7 September 2016, Ankara, Turkey.
- Ecem Kaplan Çoban, Ceren Gençoğlu, Doğançan Kirman, **Orkun Pinar**, Dilek Kazan, Ahmet Alp Sayar. "Assessment of the effects of medium composition on growth, lipid accumulation and lipid profile of *Chlorella vulgaris* as a biodiesel feedstock", 4th International Conference on Renewable Energy Research and Applications, 22-25 October 2015, Palermo, Italy. (oral presentation by Ecem Kaplan Çoban)
- Tugba Ozgoren, **Orkun Pinar**, Aziz Akin Denizci, Guldem Utkan, Dilek Kazan. "Effect of different carbon sources on the production of poly (3-hydroxybutyrate) from *Bacillus marmarensis* GMBE 72^T". VIIth International Bioengineering Congress (BEC 2015), 19-21 October 2015, İzmir, Turkey. (oral presentation by Tugba Ozgoren).
- Zeynep Yılmaz, **Orkun Pinar**, Nihat Alpogu Sayar, Dilek Kazan. "Optimization of process parameters for enzymatic hydrolysis of hazelnut husk", VIIth International Bioengineering Congress (BEC 2015), 19-21 October 2015, İzmir, Turkey.
- Ozgoren T., **Pinar O.**, Denizci A.A., Utkan G., Kazan D. "Response of novel *Bacillus marmarensis* GMBE 72^T to extreme conditions: Poly (3- hydroxybutyrate)", 40th FEBS Congress, 4-9 July 2015, Berlin, Germany.
- **Orkun Pinar**, Başak Koçhan, Nihat Alpogu Sayar, Kübra Karaosmanoğlu, Dilek Kazan. "Enzyme mixture production from *Pycnoporus sanguineus* DMSZ 3024 using a lignocellulosic waste, Hazelnut husk: A case study for laccase and cellulose", 16th European Congress on Biotechnology, 13-16 July 2014, Edinburgh, Scotland.
- Ipek, FM., **Pinar, O.**, Sogut, MS., Karasu, D., Cayir, E., Ozturk, N.C., Denizci, AA., Ozturk, DC., Kazan, D. and Mandaci, S., "Cloning and Expression of xynA Gene from Xylanase Secreting *Bacillus pumilus* YMNx25", International Enzymes for Biocatalysis Workshop, Arel University, 03-05 June 2014, İstanbul, Turkey.
- Kübra Karaosmanoğlu, **Orkun Pinar**, Nihat A. Sayar, Dilek Kazan. Hydrolysis of Hazelnut Husk by Using Commercial Enzymes for the Production of Fermentable Sugar, VIth International Bioengineering Congress (IBEC 2013), 12-15 October 2013, Kuşadası, Aydın, Turkey. (oral presentation by Kübra Karaosmanoğlu).
- Tetik, B., Gür-Kurt, G., **Pinar, O.**, Tamerler, C., Yazgan-Karatas, A. Site-directed mutation on T1 site of a *Pycnoporus sanguineus* laccase, The 5th Congress of European Microbiologists (FEMS 2013), 21-25 July 2013, Leipzig, Germany.
- **Pinar, O.**, Tetik, B., Kurt-Gur, G., Tamerler, C., Yazgan-Karatas, A. "Isolation and Cloning of a Laccase specific gene from the White-Rot Fungus *Coriopsis polyzona* MUCL 38443", The 5th Congress of European Microbiologists (FEMS 2013), 21-25 July 2013, Leipzig, Germany.
- Melis Savasan Sogut, Abdulmecit Gokce, Yavuz Ozturk, Sevnur Mandaci, Ebru Cayir, Deniz Karasu, **Orkun Pinar**, H. Umit Ozturk, Nurcin Celik Ozturk, A. Akin Denizci, Dilek Coskuner Ozturk. "Cloning, overexpression and characterization of the *Bacillus* phytase encoding gene, YMNphyA, in *E. coli*". European Biotechnology Congress 2013 (Current Opinion in Biotechnology, Volume 24, p 95), 16-18 May 2013, Bratislava, Slovakia.
- **Pinar, O.**, Tetik, B., Varşlı, E., Tamerler, C., Yazgan-Karatas, A. 2012. "Beyaz Çürükçül Küf Mantarı *Coriopsis polyzona* MUCL 38443'den Lakkaza Özgü Sekansların Tanımlanması (Identification of Laccase-Specific Sequences from the White Rot Fungus *Coriopsis polyzona* MUCL 38443), 17th National Biotechnology Congress, 23-26 September 2012, İstanbul, Turkey. (oral presentation by Orkun Pinar; in Turkish).
- Melis S. Sogut, Nurcin C. Ozturk, H. Umit Ozturk, **Orkun Pinar**, Fatih M. Ipek, Ebru Cayir, Abdulmecit Gokce, Deniz Karasu, Dilek C. Ozturk, Yavuz Ozturk, A. Akin Denizci, Bengu Ozturk, Banu Bahar, Naze G. Avcı, Burak Ayan, Dilek Kazan, Yonca A. Duman, Sayit Sargin, Sevkete Karacanli, Cengizhan Mizrak, A. Ugur Catli, Kamil Kucukyilmaz, Hatice K. Guvenmez, Burhan Arikan, Mehmet Bozkurt, Ferda Seyhan, Berna S. Akbulut, A. Altan Erarslan, Gaye Ongen, Sadik Dincer, Engin Yenice, Sevnur Mandaci. "Production of industrial enzymes for feed industry", 15th European Congress on Biotechnology (New Biotechnology, Volume 29), 23-26 September 2012, İstanbul, Turkey.
- **Pinar, O.**, Tetik, B., Varşlı, E., Tamerler, C., Yazgan-Karatas, A. "Identification of laccase gene-specific sequences from the white-rot fungus *Coriopsis polyzona* MUCL 38443", 15th European Congress on Biotechnology (New Biotechnology, Volume 29), 23-26 September 2012, İstanbul, Turkey.
- Tayran, H., **Pinar, O.**, İrigül, Ö., Gür, K., G., Köroğlu, T., E., Karataş, Y., A. "The effects of codY regulatory gene on the expression profile of *B. subtilis*", XII. International Congress of Bacteriology and Applied Microbiology, International Unions of Microbiological Society (IUMS), 5-9 August 2008, İstanbul, Turkey.
- **Pinar, O.**, Ünlü, E., C., İrigül, Ö., Gür, K., G., Köroğlu, T., E., Karataş, Y., A., "The effects of insertional inactivation of *spoOA* and *abrB* genes on the expression of *ywfH* gene in *B. subtilis*", XII. International Congress of Bacteriology and Applied Microbiology, International Unions of Microbiological Society (IUMS), 5-9 August 2008, İstanbul, Turkey.
- Gür, K., G., **Pinar, O.**, Karataş, Y., A., Tamerler, C., "Optimization of *Pycnoporus sanguineus* Methylophilic Yeast *lcc1* gene Expression in *Pichia pastoris*", XII. International Congress of Bacteriology and Applied Microbiology, International Unions of Microbiological Society (IUMS), 5-9 August 2008, İstanbul, Turkey.
- **Pinar, O.**, Gür, K., G., İrigül, Ö., Karataş, Y., A. "The Effect of *ywfI* Null Mutation on the Expression of *ywfH* gene in *Bacillus subtilis*", 33rd FEBS Congress & 11th IUBMB Conference, 28 June-3 July 2008, Athens, Greece.

SELECTED COURSES

- Nanolife and Nanomedicine Seminar&Workshop, Marmara University, 16th February 2022, İstanbul, Turkey.
- Proteomics Bioinformatics Workshop and Congress attendance for X Annual Congress of the European Proteomics Association, 22-25 June 2016, İstanbul, Turkey.
- Workshop for New Horizons in Biocatalysis for Biomaterials (Biocat-Mat), 8-12 April 2014, İzmir, Turkey.
- Course on SuperPro Designer and SchedulePro, 24-25 October 2013, TU Delft, Delft, Netherland.
- RNA based Molecular Methods Workshop, September 2011, Boğaziçi University-Istanbul Technical University, İstanbul, Turkey.
- EMBO Young Scientist Forum, Boğaziçi University, 20-22 February 2008, İstanbul, Turkey.
- Gene Therapy Symposium, Yeditepe University, 2-3 November 2007, İstanbul, Turkey.
- Basic Principles and Artificial Organs in Cell Culture Technology, TÜBİTAK- EBİLTEM, 24-26 October 2004, İzmir, Turkey.
- BIOMED 2004, 11th International Biomedical Science and Technology Days, Hacettepe University, 6-10 September 2004, Ankara, Turkey.
- II. National Molecular Biology and Genetics Winter School, Istanbul University Genetics Club, Istanbul University, 18-21 March 2005, İstanbul, Turkey.
- Biotechnology Applications in Foods, Ege University Science and Technology Club, EBİLTEM - Ege University Department of Food Engineering, 10-11 March 2005, İstanbul, Turkey.

GIVEN COURSES at UNIVERSITY

- BIOE7061.1 - Eukaryotic Biotechnology (Graduate, Department of Bioengineering, Marmara University)
- BIOE8055.1 - Methods in Biotechnology (Graduate, Department of Bioengineering, Marmara University)
- BIOE2002.1/ BIOE202.1/ BIOE2102.1 - Molecular Biology and Genetics (Undergraduate, Department of Bioengineering, Marmara University)
- BIOE401/BIOE4001 - Recombinant DNA Technology (Undergraduate, Department of Bioengineering, Marmara University)
- BIOE3061.1 - Industrial and Environmental Biotechnology (Undergraduate, Department of Bioengineering, Marmara University)
- BIOE1011.1 - General Biology for Engineers (Undergraduate, Department of Bioengineering, Marmara University)
- BIOE4023 - Protein Engineering (Undergraduate, Department of Bioengineering, Marmara University)
- GBM 422 - Industrial Genetics and Bioengineering II (Undergraduate, Genetics and Bioengineering Department, Okan University)

GIVEN TRAININGS and LABORATORY ASSISTANCE

- "General Biology Laboratory", "Microbiology for Bioengineers Laboratory", "Molecular Biology and Genetics Laboratory", "Biochemistry", "Bioprocess Design Laboratory", "Introduction to computing" and "Bioengineering Laboratory I-II". March 2011- January 2017, Marmara University, Faculty of Engineering, Department of Bioengineering, Laboratory Assistant.
- "Molecular Genetics Techniques: Site Directed Mutagenesis, DNA and Protein Applications", 24-28 August 2009, TÜBİTAK MARMARA RESEARCH CENTER, Genetic Engineering and Biotechnology Institute (GEBİ), Enzyme and Microorganism Molecular Genetics Laboratory.
- "Microorganism Molecular Genetics Applications", 05-09 July 2010, TÜBİTAK MARMARA RESEARCH CENTER, Genetic Engineering and Biotechnology Institute (GEBİ), Enzyme and Microorganism Molecular Genetics Laboratory.

ASSOCIATION MEMBERSHIP

- Turkish Microbiology Society

COMPUTER SKILLS

- SuperPro Designer, Bioinformatic tools, Microsoft Office.