

Prof. DİLEK KAZAN

Personal Information

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Biography

Professor Kazan's research range from Chemical Engineering to Bioprocess Engineering. She has carried out collaborative research work to screen, isolate and characterize extremophiles to produce biobased materials (pharmaceuticals, industrial enzymes and biopolymers) with novel properties; to purify, characterize and stabilize proteins for industrial applications; to develop and optimize efficient and sustainable bioprocesses; and to produce biopolymers for biomedical applications. Her research also covers proteomics and metabolomics to understand the response of living cells to extreme conditions. With the knowledge gained from the projects and research activities performed, her most important mission is to achieve research activities through using bioprocess engineering tools within the green chemistry approach to contribute the creation of sustainable environment and society. In order to commercialize her research work, she founded BacPolyZyme Bioengineering LLC. 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.

Education Information

Doctorate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 1987 - 1993

Post Graduate, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 1984 - 1987

Under Graduate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1979 - 1983

Certificates, Courses and Trainings

Quality Management, Project Management Course, , S&Q Mart, 2001

Quality Management, Marketing Analysis, , TUSSIDE, 2001

Quality Management, Customer Relations and Sales Techniques, , TUSSIDE, 2001

Vocational Training, "Biotechnology and Technology" (Production of Fungal Enzymes) , Ege Üniversitesi, 2000

Quality Management, Business Excellence Model, TUSIAD-KALDER, 1999

Quality Management, Project Management and Techniques, Kogem, Arçelik, 1996

Quality Management, Total Quality Management, Teamwork and Leadership, Teamwork and Leadership,, Kogem, Arçelik, 1996

Dissertations

Doctorate, Kinetic modelling of the effect of glucose concentration on the growth of recombinant E coli culture and on B-lactamase activity, Bogazici University, Institute Of Science, 1993

Post Graduate, A Study of oxygen transfer in the fermentation of E. coli, Bogazici University, Institute Of Science, 1987

Research Areas

Health Sciences, Agricultural Sciences, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Engineering, Bioengineering, 2001 - Continues

Associate Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2001 - 2004

Research Assistant, Boğaziçi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1984 - 1993

Professional Experience

Deputy Head of Department, Marmara University, Faculty of Engineering, Bioengineering, 2014 - 2019

Head of Department, Marmara University, Faculty of Engineering, Bioengineering, 2011 - 2014

Vice Dean, Marmara University, Faculty of Engineering, 2006 - 2009

Deputy Head of Department, Marmara University, Faculty of Engineering, Chemical Engineering, 2002 - 2006

Courses

Bioprocess Design II, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Advising Theses

Kazan D., Development of cellulose and polyhydroxybutyrate (PHB)-based materials and tissue engineering applications, Post Graduate, G.BOZDAĞ(Student), 2019

Kazan D., Catalytic cracking of waste cooking oils using low cost catalysts, Doctorate, K.SERKAN(Student), 2019

KAZAN D., Development of cellulose and polyhydroxybutyrate (PHB) based materials and tissue engineering applications, Post Graduate, G.Bozdağ(Student), 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Investigation of the physiology of the obligate alkaliphilic bacillus marmarensis gmbe 72t considering its alkaline adaptation mechanism for poly(3-hydroxybutyrate) synthesis**
Atakav Y., PİNAR O., KAZAN D.
Microorganisms, vol.9, no.2, pp.1-15, 2021 (Journal Indexed in SCI Expanded)
- II. **Thermoresponsive hydrogels based on renewable resources**
Isikci Koca E., Bozdağ G., Cayli G., KAZAN D., Cakir Hatir P.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.28, 2020 (Journal Indexed in SCI)
- III. **Glioblastoma cell adhesion properties through bacterial cellulose nanocrystals in polycaprolactone/gelatin electrospun nanofibers**
Ünal S., Arslan S., Karademir Yilmaz B., Kazan D., Oktar F. N. , Gündüz O.

CARBOHYDRATE POLYMERS, vol.233, 2020 (Journal Indexed in SCI)

- IV. **Assessment of different carbon and salinity level on growth kinetics, lipid, and starch composition of *Chlorella vulgaris* SAG 211-12**
Kaplan E., SAYAR N. A. , KAZAN D., SAYAR A. A.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.17, no.4, pp.290-300, 2020 (Journal Indexed in SCI)
- V. **Techno-economic analysis of caffeine and catechins production from black tea waste**
SAYAR N. A. , DURMAZ ŞAM S., PİNAR O., Serper D., SARIYAR AKBULUT B., KAZAN D., SAYAR A. A.
Food And Bioproducts Processing, vol.118, pp.1-12, 2019 (Journal Indexed in SCI)
- VI. **Lipase production from *Cryptococcus albidus* D24 using disposed automotive oil**
Uras A., Pinar O., Byk E., Buldag B., Topal H., Yildiz D. B. , Yalcin H. T. , Kazan D.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- VII. **Development of a promising electrospun bacterial cellulose-PHB scaffold for tissue engineering**
Bozdogan G., Zgren T., Pinar O., Gndz O., Kazan D.
NEW BIOTECHNOLOGY, vol.44, 2018 (Journal Indexed in SCI)
- VIII. **Proteomic response of *Escherichia coli* to the alkaloid extract of *Papaver polychaetum***
Ozbalci C., Ünsal C., KAZAN D., SARIYAR AKBULUT B.
ANNALS OF MICROBIOLOGY, vol.60, no.4, pp.709-717, 2010 (Journal Indexed in SCI)
- IX. **Biodiesel production from waste oils by using lipase immobilized on hydrotalcite and zeolites**
Yagiz F., Kazan D., Akin A. N.
CHEMICAL ENGINEERING JOURNAL, vol.134, pp.262-267, 2007 (Journal Indexed in SCI)
- X. **Purification and characterization of a serine alkaline protease from *Bacillus clausii* GMBAE 42**
Kazan D., Denizci A., Oner M., Erarslan A.
JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY, vol.32, no.8, pp.335-344, 2005 (Journal Indexed in SCI)
- XI. **Newly isolated *Bacillus clausii* GMBAE 42: an alkaline protease producer capable to grow under highly alkaline conditions**
Denizci A., Kazan D., Abeln E., Erarslan A.
JOURNAL OF APPLIED MICROBIOLOGY, vol.96, no.2, pp.320-327, 2004 (Journal Indexed in SCI)
- XII. **Stabilization and functional properties of *Escherichia coli* penicillin G acylase by covalent conjugation of anionic polysaccharide carboxymethylcellulose**
Ozturk D., Kazan D., Erarslan A.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.18, no.9, pp.881-888, 2002 (Journal Indexed in SCI)
- XIII. **On the excited-state energy transfer between tryptophan residues in proteins: the case of penicillin acylase**
Ercelen S., Kazan D., Erarslan A., Demchenko A.
BIOPHYSICAL CHEMISTRY, vol.90, no.3, pp.203-217, 2001 (Journal Indexed in SCI)
- XIV. **Identification of catalytically essential amino acid residues of penicillin G acylase obtained from a mutant of *Escherichia coli* ATCC 11105**
Kazan D., Erarslan A.
PROCESS BIOCHEMISTRY, vol.36, pp.861-867, 2001 (Journal Indexed in SCI)
- XV. **Effect of dextran polymers on the stability of soluble *Escherichia coli* penicillin G acylase**
Kazan D., Erarslan A.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.74, no.12, pp.1157-1164, 1999 (Journal Indexed in SCI)
- XVI. **Structure and protein separation efficiency of poly(N-isopropylacrylamide) gels: Effect of synthesis conditions**
Kayaman N., Kazan D., Erarslan A., Okay O., Baysal B.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.67, no.5, pp.805-814, 1998 (Journal Indexed in SCI)
- XVII. **Stabilization of *Escherichia coli* penicillin G acylase against thermal inactivation by cross-linking with dextran dialdehyde polymers**
Kazan D., Ertan H., Erarslan A.

- APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.48, no.2, pp.191-197, 1997 (Journal Indexed in SCI)
- XVIII. **Cross-linked stabilization of Escherichia coli penicillin G acylase against pH by dextran-dialdehyde polymers**
Ertan H., Kazan D., Erarslan A.
BIOTECHNOLOGY TECHNIQUES, vol.11, no.4, pp.225-229, 1997 (Journal Indexed in SCI)
- XIX. **Stabilization of Escherichia coli penicillin G acylase by polyethylene glycols against thermal inactivation**
Kazan D., Erarslan A.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.62, no.1, pp.1-13, 1997 (Journal Indexed in SCI)
- XX. **Influence of polyhydric compounds on the pH stability of penicillin G acylase obtained from a mutant of Escherichia coli ATCC 11105**
Kazan D., Erarslan A.
PROCESS BIOCHEMISTRY, vol.31, no.7, pp.691-697, 1996 (Journal Indexed in SCI)
- XXI. **Stabilization of penicillin G acylase against pH by chemical cross-linking**
Kazan D., Ertan H., Erarslan A.
PROCESS BIOCHEMISTRY, vol.31, no.2, pp.135-140, 1996 (Journal Indexed in SCI)
- XXII. **THE EFFECT OF GLUCOSE-CONCENTRATION ON THE GROWTH-RATE AND SOME INTRACELLULAR COMPONENTS OF A RECOMBINANT ESCHERICHIA-COLI CULTURE**
KAZAN D., CAMURDAN A., HORTACSU A.
PROCESS BIOCHEMISTRY, vol.30, no.3, pp.269-273, 1995 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Complete Genome Sequence of a cellulose-producing bacteria Komagataeibacter oboediens BPZTR01**
PİNAR O., Bozdağ G., Yemişer İ., Büyük E., KAZAN D.
Genetics Applications, vol.4, no.1, pp.38, 2020 (Refereed Journals of Other Institutions)
- II. **Immobilization of amylase from Bacillus subtilis SDP1 isolated from the Rhizosphere of Acacia cyanophylla Lindley**
Bal E., PİNAR O., KAZAN D., Öztürk H. Ü. , SAYAR A. A.
Electronic Journal of Biology, 2016 (Refereed Journals of Other Institutions)
- III. **Comparison of Protein Expression Profiles of Novel It i gt Halomonas smyrnensis It i gt AAD6 It sup gt T It sup gt and It i gt Halomonas salina It i gt DSMZ 5928 It sup gt T It sup gt**
ARĞA K. Y. , KAZAN D., Dilgimen A., Erdmann V., WittmannLiebold B., Denizci A. A.
Natural Science, vol.6, pp.628-640, 2014 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Industrial Application of Microbial Amylases**
Öztürk H. U. , Uzyol K. S. , Denizci A. A. , Kazan D.
in: Microbial Catalysis, Adcel-Aziz,A-M.,Garg,N.,Aeron,A.,Jha,C.K.,Nayak,S.C.,Bajpai,V.K., Editor, Nova Publishers, New-York, pp.1-47, 2019
- II. **Güncel Biyoteknoloji ve Uygulamaları**
BAĞIŞ H., DÜNDAR M., ARAT S., TALAS OĞRAŞ T., KESMEN Z., SAYITOĞLIU M., YÜCEL F., ERDAĞ B., DEMİRHAN İ., Mandacı s., et al.
MGRUP MATBAACILIK KAYSERİ, Kayseri, 2017
- III. **Bölüm 14: Endüstriyel Biyoteknoloji ve Biyoyakıtlar**
KAZAN D., PİNAR O.
in: Güncel Biyoteknoloji ve Uygulamaları, Munis DÜNDAR, Haydar BAĞIŞ, Editor, M Grup / Erciyes Üniversitesi Yayınları, Kayseri, pp.295-322, 2017

IV. Protein İzolasyonu ve Analizi

Sarıyar Akbulut B., Kazan D.

in: Moleküler Uroloji, Türkeriü L.N., Ozer, A., Narter, F., Editor, Pelin Offset, Ankara, pp.583-597, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. **Purification and Characterization of Sugar Ester Producing Lipase from *Cryptococcus diffluens* D44**
BÜYÜK E., PİNAR O., YALÇIN H. T. , Atabay Taşkent Z., ÖZALP Y., KAZAN D., Taşkent D.
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), 16 - 18
December 2020
- II. **A New Bio-Cellulose Based Lateral Flow Assay Design For Commercial Protein Detection**
Mişe A., PİNAR O., KAZAN D.
International Marmara Sciences Congress (Spring 2020), 19 - 20 July 2020
- III. **Investigation of Biocompatibility of Castor Oil and Bacterial Cellulose Based Thermoresponsive Hydrogels**
IŞIKÇI KOCA E., Bozdağ G., YALÇIN ÇAPAN Ö., ÇAYLI G., KAZAN D., ÇAKIR HATIR P.
EURASIA BIOCHEMICAL APPROACHES TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 26 - 29 October 2019
- IV. **Synthesis and characterization of castor oil and bacterial cellulose based thermoresponsive hydrogels**
IŞIKÇI KOCA E., Bozdağ G., ÇAYLI G., KAZAN D., ÇAKIR HATIR P.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- V. **Understanding the metabolic reprogramming behind alkaliphilic adaptation in *Bacillus marmarensis* through a multi-omics data integration strategy**
Altınışık F. E. , Arğa K. Y. , Kazan D., Sarıyar Akbulut B.
44th FEBS Congress: From molecules to living systems, Krakow, Poland, 6 - 11 July 2019
- VI. **Purification and characterization of lipase produced by *Cryptococcus* strain isolated from petroleum sludge: Assessment of its application in industry area**
BÜYÜK E., YALÇIN H. T. , PİNAR O., KAZAN D.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- VII. **Synthesis and characterization of castor oil and bacterial cellulose based thermoresponsive hydrogels**
IŞIKÇI KOCA E., bozdağ g., ÇAYLI G., KAZAN D., ÇAKIR HATIR P.
EurasianBioChem 2019, 28 - 29 June 2019
- VIII. **Lipase production from *Cryptococcus albidus* D24 using disposed automotive oil**
URAS A., PİNAR O., BÜYÜK E., BULDAĞ Ö., TOPAL H., YILDIZ D. B. , YALÇIN H. T. , KAZAN D.
18th European Congress On Biotechnology, 1 - 04 July 2018
- IX. **Mikroorganizma Kaynak Merkezleri ve Ülkemiz için Önemi**
KAZAN D.
VI. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Turkey, 5 - 07 October 2017
- X. **Growth Medium Optimization of *Cryptococcus albidus* D24 lipase by statistical design of experiments**
URAS A., PİNAR O., SAYAR N. A. , KAZAN D., SAYAR A. A.
42nd FEBS Congress, Kudus, Indonesia, 10 - 14 September 2017
- XI. **Growth medium optimization of *Cryptococcus albidus* D24 lipase by statistical design of experiments**
Uras A., Pinar O., Sayar N. A. , Kazan D., Sayar A. A.
42nd Congress of the Federation-of-European-Biochemical-Societies (FEBS) on From Molecules to Cells and Back, Jerusalem, Israel, 10 - 14 September 2017, vol.284, pp.376
- XII. **Adaptation of *B. Marmarensis* Sp Nov To Extreme Alkaline Conditions**
Altınışık F. E. , KAZAN D., SARIYAR AKBULUT B.

7th Congress of European Microbiologists (FEMS), 9 - 13 July 2017

- XIII. **Production of laccase and cellulases by *pycnoporus sanguineus* (dmsz 3024) using hazelnut husk**
Yılmaz Serçinoğlu Z., Sayar N. A. , Kazan D.
FEMS 2017 - 7th Congress of European Microbiologists (FEMS), Valencia, Spain, 9 - 13 July 2017
- XIV. **Utilization of PHB from *Bacillus marmarensis* GMBE 72T DSMZ21297 as scaffold**
ÖZGÖREN T., Bozdağ G., Şirin B., Çimenoglu Ç., PİNAR O., Denizci A. A. , KAZAN D.
FEBS, 3 - 08 September 2016, vol.283
- XV. **Understanding alkaliphilic adaptation of *B marmarensis* sp nov**
ALTINIŞIK F. E. , AVCI F. G. , DENİZCİ A. A. , KAZAN D., SARIYAR AKBULUT B.
THE 41TH FEBS, 3 - 08 September 2016
- XVI. **PHB kaynağı *Bacillus marmarensis* GMBE 72T DSM 21297**
ÖZGÖREN T., PİNAR O., Bozdağ G., Denizci A. A. , Utkan G., KAZAN D.
VI. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Turkey, 4 - 07 September 2016
- XVII. **Poli 3 hidroksibütirat kaynağı *Bacillus marmarensis* GMBE 72T DSM 21297**
ÖZGÖREN T., PİNAR O., Bozdağ G., Denizci A. A. , Utkan G., KAZAN D.
VI. Ulusal Polimer Bilim ve Teknolojisi Kongresi, Ankara, Turkey, 4 - 07 September 2016
- XVIII. **Utilisation of poly 3 hydroxybutyrate from *Bacillus marmarensis* GMBE 72T DSM21297 as scaffold**
ÖZGÖREN T., Şirin B., Çimenoglu Ç., PİNAR O., DENİZCİ A. A. , KAZAN D.
41st FEBS Congress, Aydın, Turkey, 3 - 08 September 2016
- XIX. **Understanding alkaliphilic adaptation of *B. marmarensis* sp nov.**
Altinisik F. E. , Avci F. G. , Denizci A. A. , Kazan D., Akbulut B. S.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016,
vol.283, pp.368
- XX. **Immobilization of *Cryptococcus albidus* D24 lipase for enzymatic esterification**
Uras A., Sayar N. A. , Kazan D., Sayar A. A.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016,
vol.283, pp.224-225
- XXI. **Utilisation of poly(3-hydroxybutyrate) from *Bacillus marmarensis* GMBE 72T (DSM21297) as scaffold**
Ozgoren T., Bozdag G., Sirin B., Cimenoglu C., Pinar O., Denizci A. A. , Kazan D.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016,
vol.283, pp.317
- XXII. **Investigation of the proteom profile of alkaliphilic *B marmarensis* sp nov under different pH conditions**
ALTINIŞIK F. E. , AVCI F. G. , DENİZCİ A. A. , KAZAN D., SARIYAR AKBULUT B.
BIOINTERACTOMICS, 17 - 21 May 2016
- XXIII. **The plant derived alkaloid roemerin is involved in the modulation of motility in *E coli***
AYYILDIZ D., AVCI F. G. , ARĞA K. Y. , BÜDEYRİ GÖKGÖZ N., SAYAR N. A. , KAZAN D., WOZNY K., BRÜGGER B.,
SARIYAR AKBULUT B.
BIOPHYSICAL SOCIETY 60TH ANNUAL MEETING, 27 February - 02 March 2016
- XXIV. **Optimization of process parameters for enzymatic hydrolysis of hazelnut husk**
YILMAZ SERÇİNOĞLU Z., PİNAR O., SAYAR N. A. , KAZAN D.
BEC 2015 VII. Bioengineering Congress, İzmir, Turkey, 19 - 21 November 2015
- XXV. **Optimization of process parameters for enzymatic hydrolysis of hazelnut husk**
YILMAZ Z., PİNAR O., SAYAR N. A. , KAZAN D.
7th International Bioengineering Congress, 19 - 21 November 2015
- XXVI. **Effect of Different Carbon Sources on the Production of Poly 3 hydroxybutyrate PHB from *Bacillus marmarensis* GMBE 72T**
ÖZGÖREN T., PİNAR O., Denizci A. A. , Utkan G., KAZAN D.
BEC 2015, İzmir, Turkey, 19 - 21 November 2015
- XXVII. **Optimization of process parameters for enzymatic hydrolysis of hazelnut husk**

- YILMAZ Z., PİNAR O., SAYAR N. A. , KAZAN D.
VIIth International Bioengineering Congress (BEC 2015), İzmir, Turkey, 19 - 21 November 2015
- XXVIII. **Response of novel *Bacillus marmarensis* GMBE 72T to extreme conditions: Poly (3-hydroxybutyrate)**
ÖZGÖREN T., PİNAR O., DENİZCİ A. A. , UTKAN G., KAZAN D.
40th FEBS Congress, Berlin, Germany, 4 - 09 July 2015
- XXIX. **Response of the *Bacillus marmarensis* GMBE 72T to extrem conditions Poly 3hydroxybutyrate**
ÖZGÖREN T., PİNAR O., Denizci A. A. , KAZAN D.
40 th FEBS Congress, The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015
- XXX. **Response of novel *Bacillus marmarensis* GMBE 72(T) to extreme conditions: Poly (3-hydroxybutyrate)**
Ozgoren T., Pinar O., Denizci A. A. , Kazan D.
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.83
- XXXI. **Getting an insight into the antibacterial activity of the plant derived alkaloid (-)-roemerine against *E. coli* cells**
Budeyri-Gokgoz N., Wozny K., Kazan D., Akbulut B. S.
FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.744
- XXXII. **Enzyme mixture production from *Pycnoporus sanguineus* DSMZ 3024 using a lignocellulosic waste, Hazelnut husk: A case study for laccase and cellulase**
PİNAR O., KOÇHAN B., SAYAR N. A. , KARAOSMANOĞLU K., KAZAN D.
16th European Congress on Biotechnology, 13 - 16 July 2014
- XXXIII. **Cloning and Expression of *xynA* Gene from Xylanase Secreting *Bacillus pumilus* YMNX25**
İPEK F. M. , PİNAR O., SAVAŞAN SÖĞÜT M., KARASU D., ÇAYIR E., ÖZTÜRK N., DENİZCİ A. A. , C ÖZTÜRK D., KAZAN D., MANDACI S.
International Enzymes for Biocatalysis Workshop, Arel Üniversitesi, İstanbul, Turkey, 3 - 05 June 2014
- XXXIV. **Hydrolysis of Hazelnut Husk by Using Commercial Enzymes for the Production of Fermentable Sugar**
KARAOSMANOĞLU K., PİNAR O., SAYAR N. A. , KAZAN D.
VIth International Bioengineering Congress (IBEC 2013), İzmir, Turkey, 12 - 15 November 2013
- XXXV. **Osmoadaptation of moderately halophilic microorganisms under cold stress**
Ayan B., SARIYAR AKBULUT B., Poli A. R. , Ozturk H. U. , Celik Ozturk N., Denizci A. A. , UTKAN G., KAZAN D.
15th European Congress on Biotechnology, 23 - 26 September 2012
- XXXVI. **Investigation of the antimicrobial effect of an alkaloid from *Papaver rhoeas* K**
Budeyri N., Kazan D., Akbulut B. S.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.552
- XXXVII. **Proteomic evaluation of preservation solutions prior to kidney transplantation**
Coskun A., Kazan D., Akgoz M., Baykal A. T. , Berber I., Bilsel G., Senal M. O. , Karaosmanoglu K., Aksoy I., Yazici C.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.235
- XXXVIII. **Growth and osmolyte distribution of a moderately halophilic microorganism in the presence of phenol**
Ayan B., Akbulut B. S. , Kazan D.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.268
- XXXIX. **Fast Biosynthesis of Silver and Gold Nanoparticles by Microwave Irradiation**
Öztürk H. Ü. , UTKAN G., Denizci A. A. , KAZAN D.
7th Nanoscience and Nanotechnology Conference, 27 June - 01 July 2011
- XL. **Optimization of cellulase production by newly isolated *Bacillus* sp**
Mangaoglu H., Avci N. G. , Akbulut B. S. , Kazan D.
35th Congress of the Federation-of-European-Biochemical-Societies, Gothenburg, Sweden, 26 June - 01 July 2010, vol.277, pp.202
- XLI. **Comparative transcriptome and proteome analysis for the effect of berberine**
Ozbalci C., Karaosmanoglu K., Kurnaz I. A. , Kazan D., Akbulut B. S.

35th Congress of the Federation-of-European-Biochemical-Societies, Gothenburg, Sweden, 26 June - 01 July 2010, vol.277, pp.184-185

XLII. Proteome analysis of moderately halophilic bacteria response to oxygen limitation

Ceylan S., Akbulut B. S., Kazan D.

35th Congress of the Federation-of-European-Biochemical-Societies, Gothenburg, Sweden, 26 June - 01 July 2010, vol.277, pp.115-116

XLIII. Investigation of osmoprotection and cold adaptation of halomonas halophilia DSMZ 4770 by proteomics

Ceylan S., Akbulut B., Kazan D., Kazan D.

34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.99

XLIV. Phytase from Bacillus strain isolated from rhizosphere of Acacia cyanophylla Lindley

Ozturk H. U., Denizci A. A., Dincer S., Ogan A., Erarslan A., Kazan D.

34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.287

XLV. alpha-amylase production from food waste by using newly isolated Halomonas sp.

Uzyol K. S., Akbulut B. S., Kazan D.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.362

XLVI. Partial purification and characterisation of alkaline protease from Bacillus clausii GMBAE 22

Bal H., Kazan D., Denizci A. A., Erarslan A.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.336

XLVII. Slime degradation by an enzyme produced by Enterococcus sp GMBAE 205b

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