

Prof. NİLÜFER AKSÖZ

Personal Information

Email: naksoz@hacettepe.edu.tr

Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Turkey 1976 - 1981

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Mikrobiyoloji, Turkey 1973 - 1976

Postgraduate, Hacettepe University, Fen Fakültesi, Turkey 1968 - 1973

Foreign Languages

English, C1 Advanced

Research Areas

Life Sciences, Biotechnology, Environmental Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Microbiology, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Optimization and reactor-scale production of plant growth regulators by *Pleurotus eryngii*
Doğan B., YILDIZ Z., AKSÖZ N., Eninanç A. B., Korkmaz Kahveci B. G., YAMAÇ M.
3 Biotech, vol.13, no.9, 2023 (SCI-Expanded)
- II. Flask and reactor scale production of plant growth regulators by *Inonotus hispidus*: optimization, immobilization and kinetic parameters
Doğan B., YILDIZ Z., AKSÖZ N., Eninanç A. B., DAĞ İ., Yıldız A., Doğan H. H., YAMAÇ M.
Preparative Biochemistry and Biotechnology, vol.53, no.10, pp.1210-1223, 2023 (SCI-Expanded)
- III. Anti-Quorum Sensing Potential of Antioxidant Quercetin and Resveratrol
Erdonmez D., Rad A. Y., AKSÖZ N.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.61, 2018 (SCI-Expanded)
- IV. Quorum sensing molecules production by nosocomial and soil isolates *Acinetobacter baumannii*
Erdonmez D., Rad A. Y., AKSÖZ N.
ARCHIVES OF MICROBIOLOGY, vol.199, no.10, pp.1325-1334, 2017 (SCI-Expanded)
- V. Escherichia Coli: Characteristics of Carbapenem Resistance and Virulence Factors
Candan E. D., AKSÖZ N.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.60, 2017 (SCI-Expanded)
- VI. High trimethoprim-sulfamethoxazole resistance in ciprofloxacin-resistant *Escherichia coli* strains isolated from urinary tract infection
İDİL N., CANDAN E. D., Rad A. Y., AKSÖZ N.
MINERVA BIOTECNOLOGICA, vol.28, no.3, pp.159-163, 2016 (SCI-Expanded)
- VII. Molecular typing of clinical *Pseudomonas aeruginosa* strains by using RAPD-PCR
DİKEN GÜR S., AKSÖZ N.

- MINERVA BIOTECNOLOGICA, vol.28, no.2, pp.104-113, 2016 (SCI-Expanded)
- VIII. **Concanavalin A immobilized magnetic poly(glycidyl methacrylate) beads for prostate specific antigen binding**
İDİL N., Percin I., KARAKOC V., Yavuz H., AKSÖZ N., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.134, pp.461-468, 2015 (SCI-Expanded)
- IX. **Klebsiella pneumoniae: characteristics of carbapenem resistance and virulence factors**
Candan E. D., AKSÖZ N.
ACTA BIOCHIMICA POLONICA, vol.62, no.4, pp.867-874, 2015 (SCI-Expanded)
- X. **TiO₂ nanocomposites: Preparation, characterization, mechanical and biological properties**
Kosarsoy G., Sen E. H., AKSÖZ N., İDE S., Aksoy H.
APPLIED SURFACE SCIENCE, vol.318, pp.269-274, 2014 (SCI-Expanded)
- XI. **Anti quorum sensing activities of different extracts from Chlorella vulgaris**
ERKAN K., ERDÖNMEZ D., Schamchi M. P., SAĞLAM N., KATIRCIOĞLU H., AKSÖZ N.
Journal Of Biotechnology, vol.185, pp.99, 2014 (SCI-Expanded)
- XII. **Typing of different Staphylococcus strains by phenotypic and genotypic methods**
İDİL N., AKSÖZ N.
NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)
- XIII. **The prevalence and antibiotic resistance profiles of clinical Escherichia coli isolates**
Candan E. D., İDİL N., Rad A. Y., AKSÖZ N.
NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)
- XIV. **Effect of salinity on cell growth and beta-carotene production in Dunaliella sp isolates from Urmia Lake in northwest of Iran**
Rad F. A., AKSÖZ N., Hejazi M. A.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, no.12, pp.2282-2289, 2011 (SCI-Expanded)
- XV. **Indole-3-acetic acid and gibberellic acid production in Aspergillus niger**
Bilkay I. S., Karakoc S., AKSÖZ N.
TURKISH JOURNAL OF BIOLOGY, vol.34, no.3, pp.313-318, 2010 (SCI-Expanded)
- XVI. **Some Optimal Cultural Parameters for Gibberellic Acid Biosynthesis by Pseudomonas sp.**
Karakoç Ş., AKSÖZ N.
Turkish Journal of Biology, no.2, pp.81-85, 2006 (SCI-Expanded)
- XVII. **Effect of carbon and nitrogen sources on xylanase production by Trichoderma harzianum 1073 D3**
Seyis I., Aksoz N.
INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.55, no.2, pp.115-119, 2005 (SCI-Expanded)
- XVIII. **Xylanase production from Trichoderma harzianum 1073 D3 with alternative carbon and nitrogen sources**
Seyis I., Aksoz N.
FOOD TECHNOLOGY AND BIOTECHNOLOGY, vol.43, no.1, pp.37-40, 2005 (SCI-Expanded)
- XIX. **Determination of genetic relationship between methicillin-sensitive and methicillin- resistant Staphylococcus aureus clinical isolates by RAPD-PCR Method**
Candan E. d., AKSÖZ N., SEYİS BİLKAY I.
Hacettepe Journal of Biology and Chemistry, no.42, pp.167-173, 2004 (SCI-Expanded)
- XX. **Production of lactase by Trichoderma sp.**
Seyis I., Aksoz N.
FOOD TECHNOLOGY AND BIOTECHNOLOGY, vol.42, no.2, pp.121-124, 2004 (SCI-Expanded)
- XXI. **Determination of some physiological factors affecting xylanase production from Trichoderma harzianum 1073 D3**
Seyis I., Aksoz N.
MICROBIOLOGICA, vol.26, no.1, pp.75-81, 2003 (SCI-Expanded)
- XXII. **Corrosion of a drilling pipe steel in an environment containing sulphate-reducing bacteria**
Sarioglu F., Javaherdashti R., Aksoz N.
INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING, vol.73, no.2, pp.127-131, 1997 (SCI-Expanded)

- XXIII. Effects of Treflan Herbicide on the Growth and Aflatoxin Production of *Aspergillus parasiticus* NRRL 2999
Yousefi Rad M., AKSÖZ N.
Turkish Journal of Biology, no.23, pp.249-256, 1997 (SCI-Expanded)
- XXIV. Effects of some physiologic factors on *Bacillus* sp. urease activity
AKSÖZ N.
Mikrobiyoloji Bülteni, no.21, pp.34-41, 1987 (SCI-Expanded)
- XXV. Effect of physiological factors on biosynthesis of urease in *Bacillus* spp.
AKSÖZ N.
Mikrobiyoloji Bülteni, no.21, pp.131-137, 1987 (SCI-Expanded)
- XXVI. Halofilic bakteriler
AKSÖZ N.
Mikrobiyoloji Bülteni, no.19, pp.161-167, 1985 (SCI-Expanded)
- XXVII. İlimli tuzcul karakterli bir bakterinin Tuz Gölünden (Türkiye) izolasyonu
AKSÖZ N., Kolonkaya N.
Mikrobiyoloji Bülteni, no.18, pp.107-113, 1984 (SCI-Expanded)

Articles Published in Other Journals

- I. Comparison of PSA Binding for Prostate Cancer and BPH Using Lectin Glycoprotein Interactions
İDİL N., PERÇİN DEMİRÇELİK I., KARA Ö., Özdemir B., AKSÖZ N.
Hacettepe Journal of Biology and Chemistry, vol.43, no.3, pp.205-211, 2015 (Peer-Reviewed Journal)
- II. Effect of saltiness on the growth and production of carotenein isolated *Dunaliella* sp microalga from qom salt lake of Iran
Faraz A. R., AKSÖZ N., Mohammad A. H.
International Journal of Biosciences, vol.6, no.2, pp.164-171, 2015 (Peer-Reviewed Journal)
- III. Comparision of Two PCR-Based Methods in Typing of Clinical Staphylococcal Strains
İDİL N., AKSÖZ N.
Hacettepe Journal of Biology and Chemistry, vol.41, no.1, pp.43-50, 2013 (Scopus)
- IV. Stability of Tyrosinase Enzyme from *Funalia Trogii*
MAJIDI D., AKSÖZ N.
American Journal of Microbiological Research, vol.1, no.1, pp.1-3, 2013 (Peer-Reviewed Journal)
- V. Effect of salinity on cell growth and carotene production in *Dunaliella* sp isolates from Urmia Lake in northwest of Iran
Arash Rad , AKSÖZ N., Hejazi M. A.
African Journal Of Biotechnology, vol.10, no.12, pp.2282-2289, 2011 (Peer-Reviewed Journal)
- VI. Effect of Some Medium Components on Lactase Production from *T. Viride* ATCC32098
SEYİS BİLKAY I., AKSÖZ N.
Hacettepe Journal of Biology and Chemistry, no.35, pp.89-92, 2007 (Scopus)
- VII. Kültür mantarı *Agaricus bisporus* fruktifikasyonları ile örtü toprağı izolatı *Pseudomonas* sp etkileşimleri
Arkan O., GÜLER P., AKSÖZ N.
Tr. J. of Biology, vol.18, pp.213-222, 1994 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Co-immobilized enzymes for the pre-treatment of wastewater
Gur S., İDİL N., AKSÖZ N.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256

- II. **Determination of quorum sensing signal molecules by bacteria isolated from different food samples**
 ERKAN TÜRKMEN K., ERDÖNMEZ D., AKSÖZ N.
 European Biotechnology Conference, Latvia, 5 - 07 May 2016, vol.231
- III. **Zeytinyağı Fındık Yağı Mısırözü Yağı ve Ayçiçek Yağının *Pseudomonas aeruginosa* nin Üretimi ve Biyosürfektan Varlığı Üzerine Etkisinin Araştırılması**
 BİLEN ÖZYÜREK S., DİKEN GÜR S., SEYİS BİLKAY I., AKSÖZ N.
 18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015
- IV. **Ko immobilize Enzim İmmobilizasyonu için Kalsiyum Aljinatlı Matrikslerin Hazırlanması**
 DİKEN GÜR S., İDİL N., AKSÖZ N.
 18. Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015
- V. **Isolation and molecular characterization of extremely halophilic archaea from Turkey Tuz Lake**
 ERDÖNMEZ D., ERKAN TÜRKMEN K., AKSÖZ N.
 6th International Weigl Conference on Microbiology, Gdansk, Poland, 8 - 10 July 2015, vol.62, pp.124
- VI. **Optimization and kinetics of the phytohormone production by *Înnotus hispidus* in stirred tank reactor**
 YAMAÇ M., Babayıgit M. K., Yüzüak S., Göksu C., Karaduman A. B., AKSÖZ N., YILDIZ Z., DOĞAN B.
 6th Congress of European Microbiologists (FEMS 2015), 7 - 11 June 2015
- VII. **Determination and Characterization Of Phytase From A Newly Isolated *Bacillus* Sp**
 ERKAN K., AKSÖZ N.
 6th Congress of European Microbiologists (FEMS 2015), Maastricht, Netherlands, 7 - 11 June 2015
- VIII. **Klebsiella pneumoniae Characteristics of carbapenem resistance and virulence factors**
 Candan E. D., AKSÖZ N.
 6th International Weigl Conferences on Microbiology, Gdansk, Poland, 8 - 10 July 2015
- IX. **Investigation of lectin and serum-PSA interaction using magnetic poly(glycidyl methacrylate) microspheres**
 İDİL N., PERÇİN DEMİRÇELİK I., Yavuz H., AKSÖZ N., DENİZLİ A.
 European Biotechnology Congress, Lecce, Italy, 15 - 18 May 2014, vol.185
- X. **Anti-quorum sensing activities of different extracts from *Chlorella vulgaris***
 Erkan K., Erdonmez D., Schamchi M. P., SAĞLAM N., Katircioğlu H. T., AKSÖZ N.
 European Biotechnology Congress, Lecce, Italy, 15 - 18 May 2014, vol.185
- XI. **Klinik Örneklerden İzole Edilen *Pseudomonas aeruginosa* Suşlarına Bitkisel Yağların Antimikrobial Etkileri**
 DİKEN GÜR S., AKSÖZ N., BİLEN ÖZYÜREK S., SEYİS BİLKAY I.
 22. Ulusal Biyoloji Kongresi, Turkey, 23 - 27 June 2014
- XII. **The Effect of TiO₂ Nanocomposites On Some Foodborne Pathogens**
 KOŞARSOY AĞÇELİ G., AKSÖZ N.
 NN13 - 10th International Conference on Nanosciences & Nanotechnologies, Greece, 9 - 12 July 2013
- XIII. **Antimicrobial activity on *Staphylococcus aureus* by Photocatalyst nanocomposites**
 KOŞARSOY AĞÇELİ G., AKSÖZ N.
 NN13 - 10th International Conference on Nanosciences & Nanotechnologies, Greece, 9 - 12 July 2013

Supported Projects

AKSÖZ N., Project Supported by Higher Education Institutions, Mermer tozu ile hazırlanan nanokompozitlerin antimikrobial etkilerinin araştırılması, 2013 - Continues

AKSÖZ N., DİKEN GÜR S., Project Supported by Higher Education Institutions, ATIKSU ÖN ARITIMI İÇİN KOİMMOBİLİZЕ ENZİM TASARIMI, 2016 - 2017

İDE S., ŞEN E. H. (, ÇINAR B., KOŞARSOY G., AKSÖZ N., ORUJALIPOOR KALKHORAN I., Project Supported by Higher Education Institutions, Fizikokimyasal özellikleri olan yeni tasarım polimer-metal temelli malzemelerin yapısal değişimlerinin ve biyoaktivitelerinin araştırılması, 2015 - 2016

İDİL N., DİKEN GÜR S., AKSÖZ N., Project Supported by Higher Education Institutions, İki Farklı Destek Materyal ile Koimmobilize Enzim Tasarımı, 2015 - 2016

AKSÖZ N., İDİL N., Project Supported by Higher Education Institutions, PROSTAT KANSERİNE ÖZGÜL GLİKOPROTEİNLERİN TANIMLANMASI İÇİN LEKTİN AFİNİTE SORBENTLERİN HAZIRLANMASI, 2015 - 2015

AKSÖZ N., Project Supported by Higher Education Institutions, Alg ekstraktlarının bioaktif bileşiklerinin antimikrobiyal ve mutagenik aktivitelerinin araştırılması, 2014 - 2015

AKSÖZ N., Project Supported by Higher Education Institutions, Escherichia coli ve Klebsiella pneumoniae Suşlarındaki Karbapenem Direnci İle Virülsans Faktörleri Arasındaki İlişkinin Moleküler Yöntemlerle Araştırılması, 2014 - 2015

Metrics

Publication: 47

Citation (WoS): 228

Citation (Scopus): 57

H-Index (WoS): 9

H-Index (Scopus): 4