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International Researcher IDs

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Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), Turkey 1980 - 1985

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Moleküler Biyoloji Ve Genetik Bölümü, 1988 - Continues

Academic and Administrative Experience

Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2004 - 2006

Advising Theses

İZGÜ K. F., LIPOSOME-ENCAPSULATED PANOMYCOCIN: PREPARATION, CHARACTERIZATION AND IN-VITRO DETERMINATION OF ANTIFUNGAL EFFICACY AGAINST VULVOVAGINAL CANDIDIASIS, Postgraduate, G.BAYRAM(Student), 2016

İZGÜ K. F., Liposome-encapsulated panomycocin: Preparation, characterization and in vitro determination of antifungal efficacy against dermatophytes, Postgraduate, K.TOSUN(Student), 2016

İZGÜ K. F., İzgü K., Liposome-encapsulated panomycocin: preparation, characterization and in-vitro determination of antifungal efficacy against vulvovaginal candidiasis, Postgraduate, G.Bayram(Student), 2016

İZGÜ K. F., Determination of in vitro activity of Panomycocin against Botrytis cinerea, Postgraduate, N.YERLİ(Student), 2015

SON Ç. D., İZGÜ K. F., Thermostabilization of Panomycocin, a novel exo-beta-1,3-glucanase isolated from Pichia anomala NCYC 434, by using excipients and computational methods, Postgraduate, M.TİLAHUN(Student), 2015

İZGÜ K. F., Panomycocin-incorporated chitosan-TPP nanoparticles: Preparation, characterization and in vitro

determination of antifungal activity against human dermatophytes, Postgraduate, E.ELÇİN(Student), 2013

İZGÜ K. F., Antifungal spectrum determination of the K5 type yeast killer protein on fungi causing spoilage in citrus fruits, Postgraduate, R.AYSUN(Student), 2006

İZGÜ K. F., Antimicrobial spectrum determination of the K5 type yeast killer protein on bacteria causing skin infections and its cell killing activity, Postgraduate, T.GÖNEN(Student), 2006

İZGÜ K. F., Determination of antimicrobial spectrum of k9 type yeast killer toxin and its cell killing activity, Postgraduate, B.YENER(Student), 2006

İZGÜ K. F., Antimicrobial spectrum determination of the K5 type yeast killer protein and its kinetics of cell killing, Postgraduate, A.EMRE(Student), 2005

İZGÜ K. F., Investigation of cytotoxic effect of K5 type yeast killer protein on sensitive microbial cells, Postgraduate, A.SERTKAYA(Student), 2005

İZGÜ K. F., Immunization of industrial fermentation starter culture strain of *Saccharomyces cerevisiae* to killer toxin producing *Candida tropicalis* contamination in the Turkish baking industry, Postgraduate, Y.DERİNEL(Student), 2003

İZGÜ K. F., Isolation and characterization of the K9 type yeast killer protein, Postgraduate, E.BENER(Student), 2003

İZGÜ K. F., Isolation and characterization of the K4 type yeast killer toxin, Postgraduate, T.ACUN(Student), 2003

İZGÜ K. F., Isolation characterization of the K4 type yeast killer toxin, Postgraduate, T.Acun(Student), 2003

İZGÜ K. F., Isolation and characterization of k5 type yeast killer toxin, Postgraduate, D.ERDOĞDU(Student), 2001

İZGÜ K. F., Isolation and characterization of KG type yeast killer toxins, Doctorate, A.SAĞIROĞLU(Student), 2000

İZGÜ K. F., Isolation and characterization of K6 type yeast killer toxin, Doctorate, A.Sağiroğlu(Koçer)(Student), 2000

İZGÜ K. F., The Analysis of the repeated DNA sequences and the mitochondrial DNA restriction profiles of the industrially used *Saccharomyces cerevisiae* strains, Postgraduate, D.ALTINBAY(Student), 1995

İZGÜ K. F., Identification of the yeast that contaminates the industrial baking strains of *Saccharomyces cerevisiae* and determination of its killer activity, Postgraduate, A.YÜCELİŞ(Student), 1994

İZGÜ K. F., Identification of r-plasmids of *Pseudomonas aeruginosa* isolates from clinical sources, Postgraduate, J.US(Student), 1993

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Stratum corneum lipid liposome-encapsulated panomycocin: preparation, characterization, and the determination of antimycotic efficacy against *Candida* spp. isolated from patients with vulvovaginitis in an in vitro human vaginal epithelium tissue model**
İZGÜ K. F., Bayram G., Tosun K., Izgu D.
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.12, pp.5601-5611, 2017 (SCI-Expanded)
- II. **Inhibition of *Penicillium digitatum* and *Penicillium italicum* in vitro and in planta with Panomycocin, a novel exo-beta-1,3-glucanase isolated from *Pichia anomala* NCYC 434**
Izgu D. A., Kepekci R. A., İZGÜ K. F.
ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY, vol.99, no.1, pp.85-91, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis and Structural Characterization of Some 5 6 Substituted 2 hydroxymethyl benzimidazole derivatives and their platinum II complexes and determination of their in vitro antitumor activity by Rec Assay Test**
İZGÜ K. F., GÜMÜŞ F., ALGÜL Ö.
FABAD J, vol.21, pp.7-15, 1996 (Peer-Reviewed Journal)
- II. **The Analysis of the Restriction Site Polymorphism in the Mitochondrial DNA Sequences of the Industrially Used *Saccharomyces Cerevisiae* Strains**
İZGÜ K. F., demet a., gün h.

Acta Pharmaceutica Turcica XXXVIII, vol.2, pp.33-36, 1996 (Peer-Reviewed Journal)

- III. **The analysis of the restriction site polymorphism in the repeated sequences in the genomic DNA of the industrially used Saccharomyces Cerevisiae Strains**
İZGÜ K. F., altınbay d.
FABAD J, vol.20, pp.49-54, 1995 (Peer-Reviewed Journal)
- IV. **Identification of R Plasmids of Pseudomonas aeruginosa isolates from clinical sources by recombinant DNA techniques**
İZGÜ K. F., us j.
FABAD J, vol.19, pp.15-22, 1994 (Peer-Reviewed Journal)
- V. **İç Anadolu Bölgesinde Yetişen Pimpinella L türleri üzerinde farmasötik botanik yönünden araştırmalar**
İZGÜ K. F., nevin t.
Ankara Ecz. Fak. Der., vol.18, pp.57-73, 1988 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Biological Substances**
İZGÜ K. F., WJ N., AA L., HA W., TA D., SA G., CJ D. M., AA B., JJ H., FA B., et al.
in: European Pharmacopoeia 4th Edition, European Department for the Quality of Medicines, Editor, Council of Europe, pp.1-2416, 2002
- II. **Biological Substances**
İZGÜ K. F., WJ N., AA L., HA W., TA D., SA G., CJ D. M., AA B., JJ H., FA B., et al.
in: European Pharmacopoeia 3rd Edition Supplement, European Department for the Quality of Medicines, Editor, Council of Europe, pp.1-1705, 2001
- III. **Biological Substances**
İZGÜ K. F., WJ N., AA L., HA W., TA D., SA G., CJ D. M., AA B., JJ H., FA B., et al.
in: European Pharmacopoeia 3rd ed supplement, European Department for the Quality of Medicines, Editor, Council of Europe, pp.1-1387, 2000
- IV. **Türkiye de Biyoteknoloji Gen Mühendisliği Çalışmalarında Düzenleyici Kuralların belirlenmesi**
İZGÜ K. F., Altay Ç., ÇETİNER M. S., BAĞIŞ H., Filiz Ç., Altan E., CERİT H., İleri K., Kılınçer N., Öner C., et al.
TÜBA-TÜBİTAK, 1999
- V. **Biological Substances**
İZGÜ K. F., WJ N., AA L., HA W., HA D., SA G., CJ D. M., AA B., JJ H., FA B., et al.
in: European Pharmacopoeia 3rd Edition Supplement, European Department for the Quality of Medicines, Editor, Council of Europe, pp.1-1015, 1999
- VI. **Biological Substances**
İZGÜ K. F., WJ N., AA L., HA W., HA D., SA G., CJ D. M., AA B., JJ H., FA B., et al.
in: European Pharmacopoeia 3rd edition supplement, European Department for the Quality of Medicines, Editor, Council of Europe, pp.1-561, 1998
- VII. **Biological Substances**
İZGÜ K. F., WJ N., AA L., HA W., HA D., SA G., CJ D. M., AA B., JJ H., FA B., et al.
in: European Pharmacopoeia 3rd edition, European Department for the Quality of Medicines, Editor, Council of Europe, pp.1-1799, 1997
- VIII. **Gösterim İçin Fen Laboratuvarları**
İZGÜ K. F.
Milli Eğitim Basımevi, Ankara, 1995
- IX. **Genetic Control of tRNA Suppression in Saccharomyces cerevisiae: Allosuppressors**
MF T., İZGÜ K. F., CM G., ME C.
in: Genetics of Translation New Approaches, M.F Tuite, M.Picard, M.B. Fukuhara, Editor, Springer Verlag, pp.393-402, 1988

Refereed Congress / Symposium Publications in Proceedings

- I. **In vitro activity of panomycocin a novel exo 1 3 glucanase isolated from Pichia anomala NCYC 434 against post harvest plant pathogens and Gram positive pathogenic bacteria**
İZGÜ K. F., demet a., KEPEKÇİ R. A., ma y., gönen t.
20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, 18 - 23 June 2006
- II. **Isolation and characterization of K4 type yeast killer protein**
İZGÜ K. F., demet a., ACUN T.
Society for General Microbiology (2003) SGM 153rd Meeting, 7 - 11 April 2003
- III. **Isolation and characterization of K5 type yeast killer protein**
İZGÜ K. F., demet a., eda b.
Society for General Microbiology (2002) SGM 151st Meeting, 16 - 20 September 2002
- IV. **Allo-suppressor Genes and the Control of Translation Fidelity in Yeast**
İZGÜ K. F., mf t., cm g.
Biochemical Society Meeting, Canterbury, U.K, 20 - 23 July 1987

Supported Projects

- SON Ç. D., ZABCI S., İZGÜ K. F., ATAY Ö., DOĞAN M., YANIK T., KOCABIYIK S., ÖNDE S., Project Supported by Higher Education Institutions, G-alpha (i) proteinlerinin homodimerizasyonunun canlı hücrelerde tespiti, 2018 - 2019
- SON Ç. D., ZABCI S., İZGÜ K. F., DOĞAN M., KOCABIYIK S., MİMİROĞLU D., Project Supported by Higher Education Institutions, Kokain ve Amfetaminle Regüle Edilen Transcript (CART) ile uyarılan fare hipofiz bezi hücre hattında p-ERK yanıtının incelenmesi, 2017 - 2017
- GÖZEN A. G., BEKLİOĞLU M., KEPENEK E. Ş., İZGÜ K. F., GÜNDÜZ U., GÜRSEL M., DOĞAN M., ÖZCENGİZ G., BİLGİN C. C., ÖNDE S., Project Supported by Higher Education Institutions, Kurşun ve Kadmiyum Ağır Metallerinin Yüksek Derişimlerine Alıştırılmış Çevresel Bakterilerde Maruziyet Altındaki Fizyolojik Uyumlamanın Moleküler Kökenleri, 2016 - 2016
- İZGÜ K. F., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- GÖZEN A. G., BEKLİOĞLU M., İZGÜ K. F., GÜRSEL M., DOĞAN M., ÖZCENGİZ G., BİLGİN C. C., ÖNDE S., Project Supported by Higher Education Institutions, Tatlısu Acinetobacter türlerinin antibiyotik maruziyeti altında sergiledikleri moleküler değişimlerin belirlenmesi, 2015 - 2015
- İZGÜ K. F., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- GÖZEN A. G., ÖKTEM H. A., BUCAK T., COPPENS J. E. P., KALVENAS J. E., İZGÜ K. F., BEKLİOĞLU M., BİRAND ÖZSOY A. C., GÜNDÜZ U., GÜRSEL M., et al., Project Supported by Higher Education Institutions, Sucul biofilm bakterilerinin arsenik, nikel ve kadmiyum dirençlerinin belirlenmesi ve moleküler karakterizasyonu, 2013 - 2014
- İZGÜ K. F., YERLİ N., Project Supported by Higher Education Institutions, PANOMYCOCİN 'İN BOTRYTİS CİNİNEREA SPP ÜZERİNDEKİ İNHİBİTÖR ETKİSİNİN BELİRLENMESİ, 2013 - 2013

Metrics

- Publication: 20
Citation (WoS): 24
Citation (Scopus): 14
H-Index (WoS): 2
H-Index (Scopus): 1