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Advising Theses

KOKU H., YÜCEL A. M., Biohydrogen production by immobilized purple nonsulfur bacteria, Doctorate, E.SAĞIR(Student), 2018

KOKU H., YÜCEL A. M., Microarray analysis of the effects of light intensity on hydrogen production metabolism of *Rhodobacter capsulatus*, Doctorate, M.GÜRGAN(Student), 2017

ÖKTEM H. A., YÜCEL A. M., Development of nucleic acid coated nanoparticle based lateral flow assay for *Salmonella* detection, Postgraduate, M.KAAN(Student), 2017

YÜCEL A. M., Biochemical and genetic assessment of high value lipid production from local thermo-resistant green microalgae strain, Postgraduate, D.AKIN(Student), 2017

YÜCEL A. M., Using plasmid reference materials for genetically modified organisms analysis and their verification with inter-laboratory comparison test, Postgraduate, T.CEREN(Student), 2016

YÜCEL A. M., Tilling for TtBH-1 gene and its hybridization to Turkish durum wheat cultivars kiziltan-91 and Fuatbey-2000, Doctorate, A.BATTAL(Student), 2016

ÖKTEM H. A., YÜCEL A. M., Bio-fuel production from microalgae, Doctorate, M.ONAY(Student), 2015

ÖKTEM H. A., YÜCEL A. M., Development of newborn Galactosemia screening kits, Postgraduate, S.YAĞMUR(Student), 2015

YÜCEL A. M., Effect of boron and iron stress on phytosiderophore production in barley, Postgraduate, Y.ÇAKA(Student), 2015

YÜCEL A. M., ÖKTEM H. A., Transformation of tobacco with a nac type transcription factor, TaNAC69-1 and characterization of transgenic plants via molecular and physiological techniques, Doctorate, A.EROĞLU(Student), 2015

YÜCEL A. M., Physiological, biochemical and molecular analysis of wheat cultivars under boron treatments, Doctorate, C.KAYIHAN(Student), 2014

HAMAMCI H., YÜCEL A. M., Screening of the putative hexokinase genes from *Rhizopus oryzae*, Doctorate, E.ALAGÖZ(Student), 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heterotrophic growth and oil production from *Micractinium* sp. ME05 using molasses**
Engin I. K., ÇEKMECELİOĞLU D., YÜCEL A. M., ÖKTEM H. A.
JOURNAL OF APPLIED PHYCOLOGY, vol.30, no.6, pp.3483-3492, 2018 (SCI-Expanded)
- II. **Enhancement of Heterotrophic Biomass Production by *Micractinium* sp ME05**
Engin I. K., ÇEKMECELİOĞLU D., YÜCEL A. M., ÖKTEM H. A.
WASTE AND BIOMASS VALORIZATION, vol.9, no.5, pp.811-820, 2018 (SCI-Expanded)
- III. **Evaluation of heterotrophic and mixotrophic cultivation of novel *Micractinium* sp ME05 on vinasse and its scale up for biodiesel production**
Engin I. K., ÇEKMECELİOĞLU D., YÜCEL A. M., ÖKTEM H. A.
BIORESOURTE TECHNOLOGY, vol.251, pp.128-134, 2018 (SCI-Expanded)
- IV. **Single-stage photofermentative biohydrogen production from sugar beet molasses by different**

purple non-sulfur bacteria

Sagir E., Ozgur E., GÜNDÜZ U., Eroglu I., YÜCEL A. M.

BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.40, no.11, pp.1589-1601, 2017 (SCI-Expanded)

- V. **Long-term biological hydrogen production by agar immobilized Rhodobacter capsulatus in a sequential batch photobioreactor**
Elkahlout K., Alipour S., Eroglu I., GÜNDÜZ U., YÜCEL A. M.
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.40, no.4, pp.589-599, 2017 (SCI-Expanded)
- VI. **Evaluation of novel thermo-resistant Microactinium and Scenedesmus sp for efficient biomass and lipid production under different temperature and nutrient regimes**
Sonmez C., ELÇİN E., Akin D., Oktem H. A., YÜCEL A. M.
BIORESOURCETECHNOLOGY, vol.211, pp.422-428, 2016 (SCI-Expanded)
- VII. **Enhanced salt tolerance of transgenic tobacco expressing a wheat salt tolerance gene**
KAVAS M., BALOĞLU M. C., YÜCEL A. M., ÖKTEM H. A.
TURKISH JOURNAL OF BIOLOGY, vol.40, no.4, pp.727-735, 2016 (SCI-Expanded)
- VIII. **Hydrogen production by hup(-) mutant and wild-type strains of Rhodobacter capsulatus from dark fermentation effluent of sugar beet thick juice in batch and continuous photobioreactors**
Uyar B., Gurgan M., Ozgur E., GÜNDÜZ U., YÜCEL A. M., Eroglu I.
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.38, no.10, pp.1935-1942, 2015 (SCI-Expanded)
- IX. **Transcriptional Profiling of Hydrogen Production Metabolism of Rhodobacter capsulatus under Temperature Stress by Microarray Analysis**
Gurgan M., Erkal N. A., Ozgur E., GÜNDÜZ U., Eroglu I., YÜCEL A. M.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.16, no.6, pp.13781-13797, 2015 (SCI-Expanded)
- X. **Changes in oxidative damage and antioxidant enzyme activities of barley (Hordeum vulgare L.) cultivars exposed to rewarming upon freezing stress**
Erkal N. A., Kayihan C., ÖKTEM H. A., YÜCEL A. M., EYİDOĞAN F.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.40, no.5, pp.363-369, 2015 (SCI-Expanded)
- XI. **Thermo-resistant green microalgae for effective biodiesel production: Isolation and characterization of unialgal species from geothermal flora of Central Anatolia**
Onay M., Sonmez C., ÖKTEM H. A., YÜCEL A. M.
BIORESOURCETECHNOLOGY, vol.169, pp.62-71, 2014 (SCI-Expanded)
- XII. **Transgenic Nicotiana tabacum cultivar Samsun plants carrying the wild sugar beet Hs1pro1 gene have resistance to root-knot nematodes**
Sonmez C., ELEKCİOĞLU İ. H., YÜCEL A. M., ÖKTEM H. A.
TURKISH JOURNAL OF BIOLOGY, vol.38, no.2, pp.200-207, 2014 (SCI-Expanded)
- XIII. **Expression Analysis of TaNAC69-1 and TtNAMB-2, Wheat NAC Family Transcription Factor Genes Under Abiotic Stress Conditions in Durum Wheat (Triticum turgidum)**
Baloglu M. C., Oz M. T., ÖKTEM H. A., YÜCEL A. M.
PLANT MOLECULAR BIOLOGY REPORTER, vol.30, no.5, pp.1246-1252, 2012 (SCI-Expanded)
- XIV. **Antioxidative and physiological responses of two sunflower (Helianthus annuus) cultivars under PEG-mediated drought stress**
Baloglu M. C., Kavas M., Aydin G., ÖKTEM H. A., YÜCEL A. M.
TURKISH JOURNAL OF BOTANY, vol.36, no.6, pp.707-714, 2012 (SCI-Expanded)
- XV. **Molecular cloning, characterization, and expression analysis of a gene encoding a Ran binding protein (RanBP) in Cucumis melo L.**
Baloglu M. C., Zakharov F. N., ÖKTEM H. A., YÜCEL A. M.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.4, pp.387-397, 2011 (SCI-Expanded)
- XVI. **PHOTORESPONSE OF BACTERIORHODOPSIN IMMOBILIZED IN POLYACRYLAMIDE-GEL MEMBRANES**
EROGLU I., AYDEMİR A., TURKER L., YUCEL A.
JOURNAL OF MEMBRANE SCIENCE, vol.86, pp.171-179, 1994 (SCI-Expanded)
- XVII. **MODELING AND KINETICS OF LIGHT-INDUCED PROTON PUMPING OF BACTERIORHODOPSIN RECONSTITUTED LIPOSOMES**

Books & Book Chapters

- I. **Canlı Bilimine Giriş**
Kayıhan C., YÜCEL A. M.
in: Biyoloji Öz, Prof. Dr. Füsün Eyidoğan, Editor, Nobel Yayınevi, Ankara, pp.2-16, 2015
- II. **Lentil (Lens culinaris Medik)**
ÇELİKKOL AKÇAY U., YÜCEL A. M., ÖKTEM H. A.
in: Methods in Molecular Biology Agrobacterium Protocols, Kan Wang, Editor, Humana Press, New York, pp.265-274, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Microarray analysis of high light intensity stress on hydrogen production metabolism of Rhodobacter capsulatus**
GÜRGAN ESER M., KOKU H., EROĞLU İ., YÜCEL A. M.
7th Global Conference on Global Warming, İzmir, Turkey, 24 June - 28 July 2018
- II. **Hydrogen production by agar-immobilized R. capsulatus in panel photobioreactor**
ELKAHLOUT K., SAĞIR E., ALIPOUR S., KOKU H., GÜNDÜZ U., EROĞLU İ., Yücel A. M.
3rd International Hydrogen Technologies Congress (IHTEC-2018), Antalya, Turkey, 15 - 18 March 2018, pp.29
- III. **Hydrogen productivities of Rhodobacter capsulatus wild type and hup- mutant under low and high light intensity**
GÜRGAN ESER M., KOKU H., EROĞLU İ., YÜCEL A. M.
II. International Conference on Sustainable Development (ICSD2016), Skopje, Macedonia, 19 October 2016
- IV. **Leiurus abduhbayrami (Scorpiones: Buthidae) Venomunun Moleküler Karakterizasyonu ve Peptidomik Analizi**
Erdeş E., DOĞAN T., ŞEKER T., COŞAR İ., DANIŞMAN T., Kunt K. B., YÜCEL A. M., ÖZEN C.
22. Ulusal Biyoloji Kongresi, Uluslararası Katılımlı, Eskişehir, Turkey, 23 June 2014, pp.788
- V. **Sıvı Ekstraktlarda Fenolik Madde Profili Analizi İçin LC_ESI-MS/MS Metodu: Dağ çileği (Fragaria vesca, L.) Ekstraktlarında Uygulama Örneği**
ŞEKER T., YILDIRIM A., TÜRKER A., YÜCEL A. M.
17. Ulusal Biyoteknoloji Kongresi, İstanbul, Turkey, 23 - 26 September 2012, pp.72-76

Supported Projects

YÜCEL A. M., MUTLU P., BOY E., Project Supported by Higher Education Institutions, Genetik Modifiye Bt11 Mısır Ve Rr Soya Ürünlerinde Real-Time Pcr Tekniği Kullanılarak Saptama Ve Miktar Tayini Yöntemlerinin Gerçekleşmesi., 2012 - Continues

YÜCEL A. M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

YÜCEL A. M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YÜCEL A. M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YÜCEL A. M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YÜCEL A. M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YÜCEL A. M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YÜCEL A. M., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YÜCEL A. M., KARAGEDİKLİ G., Project Supported by Higher Education Institutions, ARPADA BOR TOKSİSİTESİNE TOLERANS İLE JASMONİK ASİT ARASINDAKİ İLİŞKİNİN İNCELENMESİ VE JASMONİK ASİT BİYOSENTEZ GENLERİNİN İFADE SEVİYELERİNİN ARAŞTIRILMASI, 2013 - 2013

YÜCEL A. M., ÖZEN C., ŞEKER T., Project Supported by Higher Education Institutions, Analiz Kapsamındaalt Yapı Çalışması, 2011 - 2013

YÜCEL A. M., Project Supported by Higher Education Institutions, Farklı Büyüme Koşullarında Büyütülen Rhodobacter Capsulatus Bakterisinde Hidrojenüretim Mekanizmasını Anlamaya Yönelik Proteom Çalışması, 2011 - 2011

YÜCEL A. M., ŞEKER T., Project Supported by Higher Education Institutions, Merkezi Laboratuvar Moleküler Biyoloji Biyoteknoloji Ar-Ge Merkezinde Alt Yapının Güçlendirilmesi, 2008 - 2008

Metrics

Publication: 26
Citation (WoS): 268
Citation (Scopus): 205
H-Index (WoS): 10
H-Index (Scopus): 9

Non Academic Experience

METU Dept.of Biology
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METUTexas Tech Univ.Lubbock Texas/ Plant Genetics Laboratory
METU Dept.of Biology
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