Asst. Prof. CANAN ÖZYURT

Personal Information

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Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Biyokimya Anabilim Dalı , Turkey 2009 - 2014
Post Graduate, Ege University, Fen Bilimleri Enstitüsü, Biyokimya Anabilim Dalı , Turkey 2007 - 2009

Dissertations

Doctorate, Protein mühendisliği yoluyla ligand bağlayıcı protein ve fotoprotein temelli genetik kodlanmış sensörlerin tasarlanması, Ege University, Fen Bilimleri Enstitüsü , Biyokimya Anabilim Dalı , 2014
Post Graduate, Yeni immobilizasyon ve ölçüm tekniklerinin kullanımıyla hemoglobin temelli hidrojen peroksit biyosensörlerinin geliştirilmesi ve karakterizasyonu, Ege University, Ege Üniversitesi Fen Bilimleri Enstitüsü , Biyokimya Anabilim Dalı , 2009

Research Areas

Life Sciences, Biotechnology, Biosensor, Molecular Biology and Genetics, Chemistry, Analytical Chemistry, fluorimetry, Chromatographic Analysis, Biochemistry, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Lapseki Meslek Yüksekokulu, Kimya Ve Kimyasal İşleme Teknolojileri, 2019 - Continues

Professional Experience

Assistant Director of Vocational School, Canakkale Onsekiz Mart University, 2019 - 2020

Jury Memberships

Post Graduate, "Asimetrik Dimetilarginin (ADMA) Aptamerlerinin Geliştirilmesi Ve Aptamer Temelli Tayin Kitinin Tasarlanması" konulu tezin jüri üyeliği , Ege Üniversitesi , June, 2019

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

- **The single-step synthesis of thiol-functionalized phosphazene-based polymeric microspheres as drug carrier**

ÖZAY H., ILGIN P., ÖZYURT C., ÖZAY Ö.
POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, 2020 (Journal Indexed in SCI)

- **Single-stranded DNA (ssDNA) Aptamer targeting SipA protein inhibits Salmonella Enteritidis invasion of intestinal epithelial cells**
  Shatila F., Yalcin H. T. , ÖZYURT C., EVRAN S., Cakir B., YAŞA İ., NALBANTSOY A.
  INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.148, pp.518-524, 2020 (Journal Indexed in SCI)
- **Development of genetically encoded fluorescent protein constructs of hyperthermophilic maltose-binding protein**
  Ozyurt C., EVRAN S., Telefoncu A.
  Preparative Biochemistry and Biotechnology, vol.44, pp.132-145, 2014 (Journal Indexed in SCI)
- **Development of a novel fluorescent protein construct by genetically fusing green fluorescent protein to the N-terminal of aspartate dehydrogenase**
  Ozyurt C., EVRAN S., Telefoncu A.
  Biotechnology and Applied Biochemistry, vol.60, pp.399-404, 2013 (Journal Indexed in SCI)

Books & Book Chapters

- **Nucleic Acid Aptamers Against Virulence Factors of Drug Resistant Pathogens**
  ÖZYURT C., UĞURLU Ö., BORA B., EVRAN S.
  in: Frontiers in Anti-Infective Drug Discovery, , Editor, Bentham Baltzer Science Publishers, 2018
- **Cell-penetrating peptides in nanodelivery of nucleic acids and drugs**
  ÖZYURT C., UĞURLU Ö., EVRAN S.
  in: Nanostructures for the Engineering of Cells, Tissues and Organs, Grumezescu Alexandru Mihai, Editor, Elsevier, 2018
- **Pathogen-specific nucleic acid aptamers as targeting components of antibiotic and gene delivery systems**
  ÖZYURT C., BORA B., UĞURLU Ö., EVRAN S.
  in: Nanostructures for Drug Delivery, Andronescu Ecaterina, Grumezescu Alexandru Mihai, Editor, Elsevier, 2017

Refereed Congress / Symposium Publications in Proceedings

- **Genetically Encoded Bioluminescence Resonance Energy Transfer (BRET) Biosensor for Detection of D-Allose.**
  ÖZYURT C., EVRAN S., TELEFONCU A.
  1.Euroasia Biochemical Approaches Technologies Congress, Antalya, Turkey, 27 - 30 October 2018
- **Optimization of aptamer-based impedimetric biosensor for detection of sarcosine**
  ÇELİK CANBAY z., ÖZYURT C., MENGÜLLÜOĞLU U., DİNÇKAYA E., EVRAN S.
  febs, 7 - 12 July 2018
- **Selection of ssDNA aptamers for the development of impedance biosensor to detect sarcosine**
  ÖZYURT C., ÇELİK CANBAY z., MENGÜLLÜOĞLU U., DİNÇKAYA E., EVRAN S.
  18th Congress On Biotechnology, 1 - 04 July 2018
- **Development of a biosensing system for E. coli cells based on antimicrobial peptide cecropin,**
  ÖZYURT C., EVRAN S., TELEFONCU A.
  FEBS, 14 - 17 September 2016
- **Biosensor Specific For Pathogenic Gene Region Of Listeria Monocytogenes**
  ÖZYURT C., EVRAN S., TELEFONCU A.
  BBMEC, 26 - 30 September 2015
- **Mercury Sensing Based On Genetically Encoded Fluorescent Protein And Merr**

ÖZYURT C., EVRAN S., TELEFONCU A.

- International Conference On Applied Informatics For Health And Life Sciences, 19 - 22 October 2014
  Bioluminescence Resonance Energy Transfer (BRET) based biosensor for D-allose
  ÖZYURT C., EVRAN S., TELEFONCU A.
- EMBO/EMBL Symposium: Seeing is Believing – Imaging the Processes of Life, 3 - 06 October 2013
  Blue Fluorescent Protein-Based Biosensor For D-Allose
  ECE S., ÖZYURT C., EVRAN S.
- 3rd International Conference on Bio-Sensing Technology (BITE), 13 - 15 May 2013
  Recombinant CFP – MerR Fusion Protein as a Mercury Ion Biosensor
  ÖZYURT C., EVRAN S., TELEFONCU A.
- 3rd International Conference on Bio-Sensing Technology (BITE), 13 - 15 May 2013
  Fusion of green fluorescent protein to the N-terminal of aspartate dehydrogenase
  ÖZYURT C., EVRAN S., TELEFONCU A.
- International Conference on Enzyme Science and Technology (ICEST), 31 October - 04 November 2011
  Construction of a Fusion Protein Between GFP and Sugar Binding Protein
  ÖZYURT C., EVRAN S., TELEFONCU A.
  The International Congress on Bioinformatics and Biomics, 18 - 20 May 2011

Supported Projects

TUBITAK Project, Sarkozine spesifik DNA aptamerlerinin geliştirilmesi ve aptamer temelli impedimetrik biyosensörün tasarlanması, 2016 - 2018
TUBITAK Project, Fındık ve fıstık alerjen proteinlerinin tayini için DNA aptameri temelli kit geliştirilmesi, 2015 - 2016
TUBITAK Project, Patojen bakterinin gen bölgesine spesifik floresans protein temelli bir biyosensörün gelistirilmesi, 2014 - 2015
TUBITAK Project, D-Alloz Tayini İçin Genetik Olarak Kodlanmış Biyoluminesans Rezonans Enerji Transferi (BRET) Temelli Biyosensör Tasarlanması, 2012 - 2014

Citations

Total Citations (WOS):4
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