Res. Asst. PhD CEYDA KULA

Personal Information

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Biography

Dr. Ceyda Kula was born in Manisa/Turkey in 1987. After completing her undergraduate studies at the Bioengineering Department of Ege University in 2010, she continued her master studies in the same year in the same department. In 2012, she joined the academic staff of the Bioengineering Department of Marmara University as a Research Assistant. In 2012, she completed her master's thesis on “Microbial biotransformation of cycloartane type saponins named cyclocanthogenol and astragenol” and continued her Ph.D. studies at the Bioengineering Department of Marmara University. In the same year, within the framework of 2211 Domestic Doctorate Scholarship Program, TÜBİTAK-BİDEB, Department of Supporting Scientists won a non-refundable scholarship during her doctoral studies. In 2018, she completed her Ph.D. studies entitled “Multi-objective optimization at a crude novel lipase-catalyzed fame production: Kriging as an alternative to RSM”. Dr. Kula continues to work as a Research Assistant at the Bioengineering Department of Marmara University since 2012.

Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Bioengineering (Eng), Turkey 2012 - 2018
Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Biyomühendislik (Yl) (Tezli), Turkey 2010 - 2012
Under Graduate, Ege Üniversitesi, Mühendislik Fakültesi, Biyomühendislik Bölümü, Turkey 2005 - 2010

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, MULTI-OBJECTIVE OPTIMIZATION AT A CRUDE NOVEL LIPASE CATALYZED FAME PRODUCTION: KRIGING AS AN ALTERNATIVE TO RSM, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Bioengineering (Eng), 2018
Post Graduate, MICROBIAL BIOTRANSFORMATION OF CYCLOARTANE TYPE SAPONINS NAMED CYCLOCANTHOGENOL AND ASTRAGENOL, Ege University, Fen Bilimleri Enstitüsü, Bioengineering, Master of Science, 2012

Research Areas

Biotechnology, Biochemical Reaction Engineering, Biotechnological Processes and Fermentation Technology, Biochemistry

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Engineering, Bioengineering, 2012 - Continues

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

- **Multi-objective optimization of a novel crude lipase-catalyzed fatty acid methyl ester (FAME) production using low-order polynomial and Kriging models**
  KULA C., SAYAR N. A.
  INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.16, pp.657-665, 2019 (Journal Indexed in SCI)
- **Assessment of hazelnut husk as a lignocellulosic feedstock for the production of fermentable sugars and lignocellulolytic enzymes**
  PİNAR O., Karaosmanoglu K., SAYAR N. A. , KULA C., KAZAN D., SAYAR A. A.
  3 BIOTECH, vol.7, 2017 (Journal Indexed in SCI)
- **Microbial transformation of Astragalus sapogenins using Cunninghamella blakesleeana NRRL 1369 and Glomerella fusarioides ATCC 9552**
  Bedir E., KULA C., Oner O., Altas M., Tag O., ÖNGEN ÖZGEN G.
  JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.115, pp.29-34, 2015 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Manually modified design of experiments for early biocatalyst evaluation–lipase-catalysed fatty acid methyl ester production**
  KULA C., SAYAR N. A.
  18th European Congress on Biotechnology, 1 - 04 July 2018, vol.44, pp.120-121
- **Biodiesel production from waste cooking oil via optimised transesterification by a locally sourced lipase**
  KULA C., SAYAR N. A.
  Challenges in Building a Sustainable Biobased Economy, EcoBio Conference 2016, 6 - 09 March 2016
- **Cryptococcus diffluens D44 lipase for biodiesel production from waste cooking oil via optimized transesterification**
  KULA C., SAYAR N. A.
  BEC 2015 VII. Bioengineering Congress, 19 - 21 November 2015
- **Lipase Catalyzed Esterification Reactions–A Kinetic Model**
  KULA C., SAYAR N. A.
  16th EUROPEN CONGRESS ON BIOTECHOLOGY, 13 - 16 July 2014
- **Characterization of Lipase Enzyme and Catalyzed Esterification Reaction as a Model System**
  KULA C., yılmaz d. e. , YALÇIN H. T. , SAYAR N. A.
  ENZYMES FOR BIOCATALYSIS, 3 - 05 June 2014
- **Characterization of Lipase Enzyme and Catalysed Esterification Reaction as a Model System**
  KULA C., Yılmaz D. E. , YALÇIN H. T. , SAYAR N. A.
  Enzymes for Biocatalysis, İstanbul, Turkey, 3 - 05 June 2014
- **Biotransformation of Cycloartane-Type Sapogenols by Cunninghamella blakesleeana NRRL 1369 and Glomerella fusarioides ATCC 9552**
  KULA C., KUBAN M., ÖNGEN ÖZGEN G., Khan I. A. , BEDİR E.
  2012 Phytochemical Society of Europe Congress on Bio-communication, 10 - 12 September 2012
- **Biotransformation of Cycloartane-Type Sapogenols, Cycloastragenol and Cyclocanthogenol, by Cunninghamella blakesleeana NRRL 1369**
  KUBAN M., KULA C., ÖNGEN ÖZGEN G., BEDİR E.
  59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 4 - 09 September 2011, vol.77

Supported Projects

Kula C., Sayar N. A. , Project Supported by Higher Education Institutions, Lipazla katalizlenen bir esterifikasyon reaksiyonu Kinetik analizi proses tasarımı ve proses metriklerinin değerlendirilmesi, 2015 - 2018
Bedir E., TÜBİTAK - AB COST Project, Sikloartan grubu sapogenollerden hareketle potansiyel sitotoksik etkinliği yüksek

moleküllerin hazırlanması, 2010 - 2013

Citations

Total Citations (WOS):10
h-index (WOS):2