

Lect. PhD MERYEM SENA AKKUŞ

Personal Information

Email: msakkus@ybu.edu.tr

Web: <https://avesis.ybu.edu.tr/msakkus>

Address: Ankara Yıldırım Beyazıt University, Central Research Laboratory Application and Research Center, Kecioren, Ankara Turkey

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Chemical Engineering, Turkey 2012 - 2017

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Chemical engineering, Turkey 2010 - 2012

Undergraduate, Selcuk University, Faculty Of Engineering-Architecture, Chemical Engineering, Turkey 2005 - 2010

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Hydrogen production conditions from sodium borohydride and sodium amidoborane, Gazi University, Fen Bilimleri Enstitüsü, Chemical Engineering, 2017

Postgraduate, Investigation of applicability of some amino and chloro antraquinone structured dyes in G-H liquid crystal displays, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2012

Research Areas

Fuels and Combustion Technology

Academic Titles / Tasks

Lecturer PhD, Ankara Yıldırım Beyazıt University, Rektörlük Merkezi, -, 2018 - Continues

Courses

Organic Electronic Systems and Applications , Postgraduate, 2019 - 2020, 2020 - 2021

Organic Electronic Systems and Applications , Doctorate, 2019 - 2020

general chemistry, Undergraduate, 2019 - 2020

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

- I. A sensitive indicator for the severity of covid-19: Thiol

EREL Ö., NEŞELİOĞLU S., ERGİN TUNÇAY M., Firat Oğuz E., Eren F., AKKUŞ M. S. , Güner R., Ateş İ.

Turkish Journal of Medical Sciences, vol.51, no.3, pp.921-928, 2021 (Journal Indexed in SCI Expanded)

II. The effects of operating conditions on hydrogen production from sodium borohydride using Box-Wilson optimization technique

ÖZKAN G., Akkus M. S. , ÖZKAN G.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.20, pp.9811-9816, 2019 (Journal Indexed in SCI)

III. The Hydrolysis of ammonia borane by using Amberlyst-15 supported catalysts for hydrogen generation

Özgür D. Ö. , Şimşek T., Özkan G., Akkuş M. S. , Özkan G.

International Journal of Hydrogen Energy, vol.43, no.23, pp.10765-10772, 2018 (Journal Indexed in SCI Expanded)

IV. Hydrogen production from the methanolysis of ammonia borane by Pd-Co/Al₂O₃ coated monolithic catalyst

Murathan H. B. , Özkan G., Akkuş M. S. , Özgür D. Ö. , Özkan G.

International Journal of Hydrogen Energy, vol.43, no.23, pp.10728-10733, 2018 (Journal Indexed in SCI Expanded)

V. New insights on the mechanism of vapour phase hydrolysis of sodium borohydride in a fed-batch reactor

Akkuş M. S. , Murathan H. B. , Özgür D. Ö. , Özkan G., Özkan G.

International Journal of Hydrogen Energy, vol.43, no.23, pp.10734-10740, 2018 (Journal Indexed in SCI Expanded)

VI. Comparison of Guest-Host Liquid Crystal Systems Doped with Azo or Anthraquinone Dyes

Gürlük M., Altındiş Abdülkadir H., Akkuş M. S. , Akkurt F., Alıcılar A.

Iranian Journal Of Science And Technology Transaction A-Science, vol.41, pp.1-5, 2017 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. The Effects Of Operating Conditions On The Hydrogen Production From Sodium Borohydride Using Box-Wilson Optimization Technique,

ÖZKAN G., AKKUŞ M. S. , ÖZKAN G.

9Th International Conference On Hydrogen Production (ICH2P), 16 - 19 July 2018

II. Power Law Kinetic Model For Synthesis of Sodium Amidoborane

AKKUŞ M. S. , ÖZKAN G., ÖZKAN G.

16th International Conference On Clean Energy (Icce-2018), 9 - 11 May 2018

Awards

Akkuş M. S. , Workshop on Chemistry Undergraduate Students Research Project Training, Çomu And Tübitak-Bidep , July 2010

Akkuş M. S. , The Chemical Engineering Undergraduate Honor Certificate , The Chemical Engineering Undergraduate Honor Certificate , June 2010