



الاسم : د. فرج مفتاح زيد
+ 0913270387 | faraj.zaid@su.edu.ly



كلية الهندسة - قسم الهندسة الكيميائية - محاضر

المهام

ما تشغله حالياً من وظائف (الأكاديمية، إدارية، بحثية) داخل نطاق الجامعة.

- عضو هيئة تدريس

المسار الأكاديمي

تاريخ للانضمام الجامعة

- 2006/09/01

الجامعات والمؤسسات الأكاديمية التي قمت بالتدريس بها مسبقاً

- Lincoln University (When I was working as researcher with them).
- Missouri University of Science and Technology (As a TA when I was PhD student)

المجالات البحثية

التخصصات أو المجالات البحثية التي عملت بها أو في إطار اهتماماته البحثية

- جميع مجالات البحث المتعلقة بالهندسة الكيميائية

أعلى تصنيف للنشر العلمي وصلت إليه

- Q2 & Q1

الجامعات والمؤسسات الأكاديمية التي قمت بالتدريس بها مسبقاً

- Lincoln University (When I was working as researcher with them).
- Missouri University of Science and Technology (As a TA when I was PhD student)

أهم المؤتمرات التي شاركت بها كباحث أو متحدث رئيسي

- American Institute of Chemical Engineers (AIChE).
- ANS- American Nuclear Society.

مجالات أو تخصصات الرسائل العلمية التي أشرفت عليها

- لا يوجد

الأنشطة العلمية / المهنية يتضمن كل الأنشطة خارج نطاق الجامعة

العضوية في الجمعيات العلمية والاجتماعية

- SIGMA XI, the Scientific Research Society member, since 2015
- American Institute of Chemical Engineers (AIChE), member, since 2012
- HonorSociety.org, member, since 2012
- International Association of Engineers (IAENG) member, since 2015

التحكيم أو التقييم لمؤتمرات أو مجلات علمية

- Editorial board member and peer reviewer of Green Materials and Environmental Engineering (GMEE).



الاسم : د. فرج مفتاح زيد
+ 0913270387 | faraj.zaid@su.edu.ly



كلية الهندسة - قسم الهندسة الكيميائية - محاضر

التدريب أو مشاريع بحثية خارج نطاق الجامعة

- ITM Boot Camp (Integrated Transformer Management).ITM Boot Camp (Integrated Transformer Management).Hitachi Energy, 10-2023.
- 3C's of Leadership 3C's of Leadership , DDI | Development Dimensions, 9-2023.
- 3C's of [IMPACT Conversations with Confidence. The Brooks GroupThe Brooks GroupIssued Mar 2023.](#)
- Lean Six Sigma Yellow Belt (February 2018) ABB Inc.
- Independent Applying the QM Rubric (APPQMR) : (Statewide Systems) 2015
- Oil Treatment Training, International Institute from Petroleum Training, Jordan 2006
- Professional Certification Industrial Safety, International Experts & Consultants Association, Egypt 2005
- OHSAS 18001 Awareness course from Petroleum Center,Libya 2003
- Corrosion and corrosion control, Technical Development Center .NOC, Libya 2002
- Certification Cathodic protection, International Center for Training & Development, UAE, 2002
- Environment Control in Oil Field, Technical Development Center .NOC, Libya, 2001

المنشورات / تصنف المنشورات وفقا للنوع

مقالات في مجالات علمية

PEER REVIEWED PUBLICATIONS:

- Bouzeriba T. B. Alsunuse, Nasruddeen Al-Awwal, Samir Budhathoki, Resham B. Thapa, Michael Baidoo, **Faraj Zaid**, and Peter D. Stahl “Mycorrhizal Fungal Inoculum Potential in Crop Rotation Soil With Different Levels of Irrigation”.
DOI :[10.5539/jas.v16n11p34](https://doi.org/10.5539/jas.v16n11p34). Journal of Agricultural Science ; Vol. 16, No. 11 ; 2024.
- **F Zaid**, N Al-Awwal, J Yang, SH Anderson “Effects of Biochar-Amended Composts on Selected Enzyme Activities in Soils”.
Processes **2024**, 12(8), 1678 ; <https://doi.org/10.3390/pr12081678>.
- **Zaid, F.M.** ; Al-Rubaye, H. ; Aljuwaya, T.M. ; Al-Dahhan, M.H. Assessment of the Dimensionless Groups-Based Scale-Up of Gas–Solid Fluidized Beds. *Processes* 2023, 11, 168. <https://doi.org/10.3390/pr11010168>
- Nasruddeen Al-Awwal,Stephen H. Anderson,Majed El-Dweik,Ranjith P. Udawatta,John Yang,**Faraj Zaid** “Effects of Conservation Buffer Systems on Adsorption of Fluorescent-Labeled E. coli”, accepted in Journal of Environmental Quality, <https://doi.org/10.1002/jeq2.20436>, Jan 16 – 2023.
- **Faraj Zaid**, Bei Chu, and Frieda Eivazi “Long-term Effects of Different Cropping Systems on Selected enzyme Activities” accepted in Communication Soil Science and Plant Analysis, ISSN : 0010-3624, Feb 2016.
- Muthanna Al-Dahhan, Shreekanta Aradhyaa, **Faraj Zaid**, Neven Alib and Thaar Aljuwayab “Scale-up and on-line monitoring of gas-solid systems using advanced and non-invasive measurement techniques” *Procedia Engineering*, Volume 83, 2014, Pages 469–476, 2014.
- S. Nedeltchev, S. Aradhyaa, **F. Zaid** and M. Al-Dahhan, “Flow Regime Identification in Both Spouted and Fluidized Beds Based On Different Entropies Derived from Gauge Pressure Fluctuations,” *Journal of Chemical Engineering of Japan* , Vol.45, No. 9, pp. 757-764, 2012
- **Faraj Zaid**, Stoyan Nedeltchev and Muthanna H. Al Dahhan “Regime Transitions in a Fluidized Bed Based On Analyses of Gauge Pressure Fluctuations” *American Nuclear Society*, Vol. 104, pp. 1037-1039, 2011.



الاسم : د. فرج مفتاح زيد
+ 0913270387 | faraj.zaid@su.edu.ly



كلية الهندسة - قسم الهندسة الكيميائية - محاضر

CONFERENCE PAPERS AND PRESENTATIONS:

- **Faraj Zaid**, Stoyan Nedeltchev and Muthanna H. Al Dahhan “Regime Transitions in a Fluidized Bed Based On Analyses of Gauge Pressure Fluctuations” 2011, ANS Annual Meeting, Hollywood, Florida, 26-30, June.
- **Faraj Zaid**, Stoyan Nedeltchev and Muthanna H. Al Dahhan “Investigation of the Effect of Fluidized Bed Scale on the Solid Dynamics Using Sophisticated Optical Probe” (2011 AIChE Annual Meeting) Minneapolis, MN October 16-21, 2011.
- **Faraj Zaid**, Stoyan Nedeltchev and Muthanna H. Al Dahhan “Flow regime Identification In Fluidized Beds Based on Statistical Analysis of Both Pressure Fluctuations and Optical Probe Data” 2011 AIChE Annual Meeting) Minneapolis, MN October 16-21, 2011.
- S. Nedeltchev, S. Aradhya, **F. Zaid** and M. Al-Dahhan, “Flow Regime Identification in Different Two-Phase Reactors Based on Extraction of Various Entropies from Gauge Pressure Fluctuations,” 2011 AIChE Annual Meeting, Minneapolis, Minnesota (USA), October 16-21 (2011).
- **Faraj Zaid**, and Muthanna H. Al Dahhan “Effect of Fluidized Bed Scale and Bed Height on Flow Regimes Transition Using Optical probe and Pressure Transducer Measurements” 2012 AIChE Annual Meeting) Pittsburgh, PA October 28-November 2, 2012.
- **Faraj Zaid**, and Muthanna H. Al Dahhan “Studying the Effects of Fluidized Bed Scale On the Solid Dynamics Using Sophisticated Optical Probe” 2012 AIChE Annual Meeting) Pittsburgh, PA October 28-November 2, 2012.
- Muthanna Al-Dahhan, Shreekanta Aradhya, **Faraj Zaid**, Neven Alib and Thaar Aljuwayab “Scale-up and on-line monitoring of gas-solid systems using advanced and non-invasive measurement techniques” SYMPHOS 2013.
- **Faraj Zaid**, and Muthanna H. Al Dahhan “Flow Regimes Transition and On-Line Monitoring of Gas-Solid Fluidized Bed” (2013 AIChE Annual Meeting) San Francisco, CA. November 3-8, 2013.
- Lancelot Nelson , Bei Chu, **Faraj Zaid** and Frieda Eivazi “Evidence of Plant Life by the Determination of Enzymes Activities in Soil of Riverbluff Cave” (Missouri Natutal Resoures Conference) Osage Beach, MO. February 4, 2015.
- M.R. Bayan and **Faraj Zaid** “Growth of Biofuel Biomass Crops Giant Miscanthus and Switchgrass on Marginal Lands in Central Missouri” (Missouri Academy of Science) St Joseph, MO. April 17-18, 2015