

## Curriculum Vitae

**Asst. Prof. Dr. Harith H. Al-Moameri**

*Mustansiriyah University – College of Engineering*

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### PERSONAL SUMMARY:

- PhD in Chemical Engineering / Petrochemicals and Polymers.

### EDUCATION:

- Ph.D. #1: Chemical Engineering, 2013 – 2017, University of Missouri-Columbia.
- M.Sc. #2: Chemical Engineering, 2001 – 2004, University of Baghdad.
- B.Sc. #3: Chemical Engineering, 1998 – 2001, University of Baghdad

### ACADEMIC HONORS AND AWARDS:

- #1: the 2017 Outstanding PhD Student Award from the University of Missouri-Columbia.

### ACADEMIC /TEACHING EXPERIENCE:

- #1: Heat Transfer.
- #2: Thermodynamics.
- #3: Composite Materials.
- #4: Polymers.
- #5: Reaction Kinetics.
- #6: Fluid Flow.
- #7: Mathematics I.

### COURSES TAUGHT:

Undergraduate	Graduate
<ul style="list-style-type: none"><li>• #1: Heat Transfer.</li><li>• #2: Thermodynamics.</li><li>• #3: Composite Materials.</li><li>• #4: Polymers.</li><li>• #5: Reaction Kinetics.</li><li>• #6: Fluid Flow.</li><li>• #7: Mathematics I.</li></ul>	Advanced English II

### PROFESSIONAL AFFILIATIONS:

- Examination Committee.
- Scientific Committee

الأستاذ المساعد الدكتور  
حارث هادي محمد المومر  
تقارن التعمير للشؤون الهندسية

د. حارث هادي المومر

## PUBLICATIONS:

1. Jaf, L., H. Al-Moameri, and T. Ghosh, *Simulation approach for characterizing the isocyanates reactivity in polyurethane gel reactions*. Journal of Polymer Research, 2022. **29**(3).
2. Al-Moameri, H.H., M.A. Abdulrehman, and A.H. Majeed, *Influences of Halloysite Nanoparticles on the Mechanical Properties of Polyurethane Foam*. Egyptian Journal of Chemistry, 2022. **65**(10): p. 509-514.
3. Al-Moameri, H., L. Jaf, and G.J. Suppes, *Simulation approaches for the mechanisms of thermoset polymerization reactions*. Molecular Catalysis, 2021. **504**.
4. Salih, T.W.M., et al. *Energy saving in Iraq: Waxes as phase change materials for space heating*. in *2nd International Conference on Materials Engineering and Science, IConMEAS 2019*. 2020. American Institute of Physics Inc.
5. Rzaij, D.R., et al. *Studying the concentrations of nitrite and nitrate of Tigris river water in Baghdad and their suitability to the conditions permitted internationally*. in *1st International Conference on Engineering and Advanced Technology, ICEAT 2020*. 2020. Institute of Physics Publishing.
6. Al-Moameri, H.H., et al. *Impact of blowing agent-blends on polyurethane foams thermal and mechanical properties*. in *AIP Conference Proceedings*. 2020. American Institute of Physics Inc.
7. Al-Moameri, H.H., G. Hassan, and M.A. Abdulrehman, *Predicting the composition of qurna crude oil fraction by ternary composition diagram*. Methods and Objects of Chemical Analysis, 2020. **15**(1): p. 33-39.
8. Al-Moameri, H.H., et al., *Impact of nanoparticles on polyurethane resin's final properties*. Journal of Green Engineering, 2020. **10**(6): p. 3114-3126.
9. Al-Moameri, H.H., M.A. Abdulrehman, and I.I. Marhoon. *The optical, structural and thermal properties of transparent poly (methylmethacrylate)/cellulose acetate phthalate blend*. in *Defect and Diffusion Forum*. 2020. Trans Tech Publications Ltd.
10. Al-Moameri, H., et al., *Simulation Silicon Surfactant Rule on Polyurethane Foaming Reactions*. Iranian Journal of Chemistry and Chemical Engineering (IJCCE), 2020.
11. Hassan, G., H.H. Al-Moameri, and A.H. Ismail. *Chlorine concentration-time (C-T) plot for Echinops Crassipes in water*. in *2nd International Conference on Sustainable Engineering Techniques, ICSET 2019*. 2019. Institute of Physics Publishing.
12. Al-Moameri, H.H., G. Hassan, and B. Jaber. *Simulation Physical and Chemical Blowing Agents for Polyurethane Foam Production*. in *2nd International Conference on Sustainable Engineering Techniques, ICSET 2019*. 2019. Institute of Physics Publishing.
13. Al-Moameri, H.H., L.A. Jaf, and G.J. Suppes, *Simulation Approach to Learning Polymer Science*. Journal of Chemical Education, 2018. **95**(9): p. 1554-1561.
14. Al-Moameri, H., L. Jaf, and G.J. Suppes, *Viscosity-dependent frequency factor for modeling polymerization kinetics*. RSC Advances, 2017. **7**(43): p. 26583-26592.
15. Al-Moameri, H., R. Ghoreishi, and G. Suppes, *Impact of inter- and intra-molecular movements on thermoset polymerization reactions*. Chemical Engineering Science, 2017. **161**: p. 14-23.
16. Al-Moameri, H., et al., *Simulation Blowing Agent Performance, Cell Morphology, and Cell Pressure in Rigid Polyurethane Foams*. Industrial and Engineering Chemistry Research, 2016. **55**(8): p. 2336-2344.
17. Al-Moameri, H., et al., *Simulation of liquid physical blowing agents for forming rigid urethane foams*. Journal of Applied Polymer Science, 2015. **132**(34).
18. Al-Moameri, H., et al., *Impact of the maximum foam reaction temperature on reducing foam shrinkage*. RSC Advances, 2015. **5**(22): p. 17171-17178.

## PROFESSIONAL DEVELOPMENT

- Chemical Safety and Security Officer Training, Oct. 2010.
- Safety Training Course, Oct. 2009.
- Microsoft Office Training Course, Aug. 2000.
- English course (Level two & level three), Aug. 2001.
- Training Course in Speed-Reading (English Language), Dec. 2001

الأستاذ المساعد الدكتور  
عبدالله محمد الجبوري  
معاون العميد للشؤون العلمية



## السيرة الذاتية

ا.م.د. حارث حسون المعامري

الجامعة المستنصرية - كلية الهندسة

Mobile:

Email: almoamerih@uomustansiriyah.edu.iq

ملخص تعريفى:

- دكتوراه هندسة كيمياوية / بتروكيمياويات وبوليمرات

### الشهادات الدراسية:

- دكتوراه هندسة كيمياوية 2013-2017 جامعة ميسوري كولومبيا, الولايات المتحدة الامريكية.
- ماجستير هندسة كيمياوية 2001-2004 جامعة بغداد, العراق.
- بكوريوس هندسة كيمياوية 1998-2001 جامعة بغداد, العراق.

### الجوائز والتكريم الأكاديمي

- افضل طالب دكتوراه لسنة 2017 مقدمة من جامعة ميسوري كولومبيا, الولايات المتحدة الامريكية.

### الخبرة الأكاديمية والتدريس:

- انتقال حرارة
- ثرموداينمك
- مواد مركبة
- بوليمرات
- حركية التفاعلات
- موانع
- رياضيات I

### المقررات الدراسية التي تم تدريسها:

الدراسات الأولية	الدراسات العليا
<ul style="list-style-type: none"><li>• انتقال حرارة</li><li>• ثرموداينمك</li><li>• مواد مركبة</li><li>• بوليمرات</li><li>• حركية التفاعلات</li><li>• موانع</li><li>• رياضيات I</li></ul>	<ul style="list-style-type: none"><li>• لغة إنكليزية متقدمة I</li></ul>

### الانتساب المهني او الجمعيات:

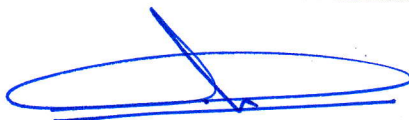
- لجنة المتابعة
- لجنة علمية

الأستاذ المساعد الدكتور  
حارث حسون المعامري  
تعاون في الشؤون العلمية

الدكتور  
حارث حسون المعامري

1. Jaf, L., H. Al-Moameri, and T. Ghosh, *Simulation approach for characterizing the isocyanates reactivity in polyurethane gel reactions*. Journal of Polymer Research, 2022. **29**(3).
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6. Al-Moameri, H.H., et al. *Impact of blowing agent-blends on polyurethane foams thermal and mechanical properties*. in *AIP Conference Proceedings*. 2020. American Institute of Physics Inc.
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تطوير المهارات:



الأستاذ المساعد الدكتور  
عبدالله محمد جعفر  
معاون العميد للشؤون العلمية

- تدريب ضباط الأمن والسلامة الكيميائية ، أكتوبر 2010.
- دورة تدريبية في السلامة ، أكتوبر 2009.
- دورة مايكروسوفت أوفيس التدريبية ، أغسطس 2000.
- دورة اللغة الإنجليزية (المستوى الثاني والمستوى الثالث) أغسطس 2001.
- دورة تدريبية في القراءة السريعة (اللغة الإنجليزية) ديسمبر 2001

الدكتور محمد جعفر