Curriculum Vitae

Dr. Hadi Ghali Attia

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Email: h.attia@uomustansiriyah.edu.iq

PERSONAL SUMMARY:

- Member of teaching staff in Environmental Engineering / Mustansiriyiah University from 2006.
- Language: English, Arabic

EDUCATION:

- Ph.D. in Chemical Engineering / water treatment from UK.
- M.Sc. in Chemical Engineering / Petrochemical from Baghdad University.
- B.Sc. in Chemical Engineering from Baghdad University.

ACADEMIC /TEACHING EXPERIENCE:

- Membrane technology.
- Superhydrophobic surfaces.
- Water treatment and wastewater treatment.
- Chemical analysis of soil, water and wastewater.

COURSES TAUGHT:

Undergraduate	Graduate
Industrial Waste Treatment / Fourth grade Mathematics / first grade Engineering drawing / first grade Sanitary lab / third and fourth grade	

PROFESSIONAL AFFILIATIONS:

- Member of the Iraqi Engineers Association.

PUPLICATIONS:

1. Hill, D., Attia, H., Barron, A., & Alexander, S. (2019). Size and morphology dependent surface wetting based on hydrocarbon functionalized nanoparticles. *Journal Of Colloid And Interface Science*, *543*, 328-334. doi: 10.1016/j.jcis.2019.02.058.
2. Attia, H., Johnson, D., Wright, C., & Hilal, N. (2018). Robust superhydrophobic electrospun membrane fabricated by combination of electrospinning and electrospraying techniques for air gap membrane distillation. *Desalination*, *446*, 70-82. doi: 10.1016/j.desal.2018.09.001

الإستاذ المساعد الدكتور
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رئيس قسم الهندسة البيئية

3. Attia, H., Johnson, D., Wright, C., & Hilal, N. (2018). Comparison between dual-layer (superhydrophobic–hydrophobic) and single superhydrophobic layer electrospun membranes for heavy metal recovery by air-gap membrane distillation. *Desalination*, *439*, 31-45. doi: 10.1016/j.desal.2018.04.003.
4. Attia, H., Osman, M., Johnson, D., Wright, C., & Hilal, N. (2017). Modelling of air gap membrane distillation and its application in heavy metals removal. *Desalination*, *424*, 27-36. doi: 10.1016/j.desal.2017.09.027.
5. Attia, H., Alexander, S., Wright, C., & Hilal, N. (2017). Superhydrophobic electrospun membrane for heavy metals removal by air gap membrane distillation (AGMD). *Desalination*, *420*, 318-329. doi: 10.1016/j.desal.2017.07.022.
6. Ammar, S. H., Attia, H. G., & Affat, A. K. D. (2012, November). Extraction of metal ions mixture Cadmium, Iron, Zinc and Copper from aqueous solutions using Emulsion Liquid Membrane technique. In *2012 First National Conference for Engineering Sciences (FNCES 2012)* (pp. 1-10). IEEE.
7. Ali, A. H., Attia, H. G., & Muhaisan, F. F. (2014). Modification Of The Granular Activated Carbon And Its Effect On Removal Of Cr (VI) From Aqueous Solution In Batch and Fixed-Bed Systems. *Journal of Engineering and Sustainable Development*, *18*(1), 78-94.
8. Attia, H. (2013). Decolorization of direct blue dye by electrocoagulation process. *Journal of Engineering and Sustainable Development*, *17*(1), 171-181.
9. Attia, H. G. (2012). A comparison between cooking tea-waste and commercial activated carbon for removal of chromium from artificial wastewater. *Journal of Engineering and Sustainable Development*, *16*(1), 307-325.
10. Ali, A. H., Jasem, N. A., & Attia, H. G. (2012). The use of anaerobic digestion process in the treatment of dairy wastewater by microorganisms derived from sewage wasted sludge. *Journal of Engineering and Sustainable Development*, *16*(4), 181-194.
11. Mohammed, A. H. A. K., Attiya, H. G., & Khudair, H. A. K. (2008). The Relationships between the Physical and Chemical Properties of Narrow Fractions Distilled From Mixed Kirkuk and Sharki-Baghdad Crude Oils. *Iraqi Journal of Chemical and Petroleum Engineering*, *9*(2), 1-8.

PROFFESSIONAL DEVELOPMENT

- Participating in the 4th International Conference on Desalination using Membrane Technology in Spain in 2017.

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السيرة الذاتية

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ملخص تعريفي:

- تدريسي في قسم هندسة البيئة / كلية الهندسة الجامعة المستنصرية

الشهادات الدراسية:

- دكتوراه في الهندسة الكيمياوية / معالجة مياه من المملكة المتحدة
- ماجستير في الهندسة الكمياوية / بتروكمياويات من جامعة بغداد
- بكلوريوس في الهندسة الكيمياوية من جامعة بغداد

الخبرة الأكاديمية والتدريس:

- تدريسي في قسم البيئة / الجامعة المستنصرية منذ 2006 ولحد الان.

المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الأولية
	مخلفات صناعية / المرحلة الرابعة الكيمياء / المرحلة الاولى الرياضيات / المرحلة الاولى الرسم الهندسي / المرحلة الاولى الفحوصات المختبرية للمياه / المرحلة الثالثة و الرابعة

الأنتساب المهني او الجمعيات:

- عضو في نقابة المهندسين العراقيين

المنشورات العلمية

1. Hill, D., Attia, H., Barron, A., & Alexander, S. (2019). Size and morphology dependent surface wetting based on hydrocarbon functionalized nanoparticles. *Journal Of Colloid And Interface Science*, *543*, 328-334. doi: 10.1016/j.jcis.2019.02.058.
2. Attia, H., Johnson, D., Wright, C., & Hilal, N. (2018). Robust superhydrophobic electrospun membrane fabricated by combination of electrospinning and electrospraying techniques for air gap membrane distillation. *Desalination*, *446*, 70-82. doi: 10.1016/j.desal.2018.09.001
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5. Attia, H., Alexander, S., Wright, C., & Hilal, N. (2017). Superhydrophobic electrospun membrane for heavy metals removal by air gap membrane distillation (AGMD). *Desalination*, *420*, 318-329. doi: 10.1016/j.desal.2017.07.022.
6. Ammar, S. H., Attia, H. G., & Affat, A. K. D. (2012, November). Extraction of metal ions mixture Cadmium, Iron, Zinc and Copper from aqueous solutions using Emulsion Liquid Membrane technique. In *2012 First National Conference for Engineering Sciences (FNCES 2012)* (pp. 1-10). IEEE.
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8. Attia, H. (2013). Decolorization of direct blue dye by electrocoagulation process. *Journal of Engineering and Sustainable Development*, *17*(1), 171-181.
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تطوير المهارات:

- المشاركة في الموتمر الدولي الثالث في مجال الاغشية التنافذية تحت رعاية مجلة (Desalination) في اسبانيا في سنة 2017.

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