

ملخص تعريفى :

- اسعى من خلال استخدام مهاراتي المعرفية والعلمية في المساهمة بتطوير المخرجات التعليمية من الجانبين الكمي والنوعي خدمة لمسيرة التعليم العالي في بلدنا العزيز .

الشهادات الدراسية :

1. الدكتوراه (Ph.D.) في الكيمياء العضوية / كلية العلوم / جامعة بغداد / العراق (2014) .
2. الماجستير (M.Sc.) في الكيمياء العضوية / كلية العلوم / جامعة النهرين / العراق (2006) .
3. البكالوريوس (B.Sc.) في علوم الكيمياء / كلية العلوم / الجامعة المستنصرية / العراق (2000) .

الجوائز والتكريم الأكاديمي :

- العديد من كتب الشكر والتقدير من قبل .
- 1. وزير التعليم العالي والبحث العلمي المحترم .
- 2. مدير عام دائرة البحث والتطوير / وزارة التعليم العالي والبحث العلمي المحترم .
- 3. رئيس جهاز الاشراف والتقويم العلمي / وزارة التعليم العالي والبحث العلمي المحترم .
- 4. رئيس الجامعة المستنصرية المحترم .
- 5. المساعد العلمي لرئيس الجامعة المستنصرية المحترم .
- 6. عميد كلية الصيدلة / الجامعة المستنصرية المحترم .
- 7. عميد كلية العلوم / جامعة بغداد المحترم .
- 8. عميد كلية الطب / جامعة النهرين المحترم .
- 9. عميد كلية العلوم / جامعة النهرين المحترم .
- 10. عميد كلية التربية للعلوم الصرفة / جامعة ديالى المحترم .

الخبرة الأكاديمية والتدريس :

1. الاشراف على طلبة الدراسات العليا / كلية الصيدلة / الجامعة المستنصرية .
2. التقويم العلمي واللغوي لرسائل الماجستير واطاريح الدكتوراه / للعديد من الجامعات العراقية .
3. عضوية لجان مناقشات رسائل الماجستير واطاريح الدكتوراه / للعديد من الجامعات العراقية .
4. مراجع علمي للعديد من المجلات الاكاديمية والمؤتمرات العلمية العراقية + العالمية ضمن مستويات كلاريفيت وسكوباس الرصينة .
5. الاشراف على مشاريع تخرج لطلبة المرحلة الخامسة .
6. تدريس العديد من المواد الدراسية للدراسات الاولى والعليا .
7. الاشراف على تدريس المواد العملية للدراسات الاولى .

المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الأولية
<ol style="list-style-type: none"> 1. الكيمياء العضوية المتقدمة. 2. كيمياء الحلقات غير المتجانسة المتقدم. 3. مواضيع مختارة (كيمياء البوليمرات). 4. مواضيع مختارة (كيمياء المركبات العضوية فلزية). 5. مواضيع مختارة (طرق تصنيعية لبعض المركبات غير المتجانسة : أمثلة لتصنيع المستحضرات الصيدلانية). 6. تشخيص المركبات العضوية المتقدم. 7. المشاكل البحثية. 	<ol style="list-style-type: none"> 1. الكيمياء العضوية 1 (المرحلة الاولى). 2. الكيمياء العضوية 2 (المرحلة الثانية). 3. الكيمياء العضوية 3 (المرحلة الثانية). 4. مشاريع التخرج (المرحلة الخامسة).

الانتساب المهني او الجمعيات:

- عضو نقابة الكيميائيين العراقية.

المنشورات العلمية :

1. Synthesis, characterization and molecular docking study of novel *N*-substituted sulfadiazine derivatives as potential anti-mycobacterial agents. *Ind. J. Chem.* 61(6): 671-677(2022).
2. Molecular docking, ADME Study, synthesis and characterization of new 4-amino-5-aryl-4H-1,2,4-triazole-3-thiol derivatives. *J. Pharm. Neg. Res.* 13(7): 5491-5498 (2022).
3. Synthesis and biological activities of some 1,2,4-triazole derivatives: a review. *Al Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*. 22(3): 65-81(2022).
4. Design, molecular docking, synthesis, preliminary in silico ADME studies, and anti-inflammatory evaluation of new oxazole derivatives. *J. Pharm. Neg. Res.* 13(7): 217-228 (2022).
5. Synthesis of new polymers attached with heterocyclic rings can be used in drug industries using copper nanoxides extracted from natural sources. *Iraqi Patent.* 7467 (2022).
6. Molecular modeling, drug design and binding evaluation of new oxazole derivatives as cyclooxygenase inhibitors. *Egypt. J. Chem.* 64(9): 5101-5109 (2021).
7. Design, molecular docking, synthesis and preliminary evaluation of the antimicrobial activity and stability against β -lactamases of dipeptides linked to cephalexin. *Int. J. Drug Delivery Tech.* 2021;11(4):1160-1168.
8. Molecular docking, synthesis and adme studies of new pyrazoline derivatives as potential anticancer agents. *Egypt. J. Chem.* 64(8): 4311-4322 (2021).
9. Design, molecular docking, synthesis of aromatic amino acids linked to cephalexin. *Al Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*. 21(3): 25-34 (2021).
10. New 2-methyl benzimidazole derivatives bearing 4-thiazolidinone heterocyclic rings: synthesis, preliminary pharmacological assessment and docking studies. *Res. J. Pharm. and Tech.* 14(3): 1515-1520 (2021).
11. An efficient method for synthesis, characterization and molecular docking study of new sulfamethoxazole derivatives as antibacterial agents. *Pak. J. Pharm. Sci.*, 34(3): 825-833 (2021).
12. Synthesis, molecular docking, and cytotoxic evaluation of some novel 1H-pyrazole derivatives from pentoxifylline. *Int. J. Pharm. Res.*12(2): 3158-3168 (2020).
13. New hydrochlorothiazide derivatives: synthesis, characterization and anti-microbial assessments. *Research J. Pharm. and Tech.* 12(12): 5848-5854 (2019).

14. Design, synthesis and acute anti-inflammatory assessment of new 2-methyl benzoimidazole derivatives having 4-thiazolidinone nucleus. *Al Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*, 19(4): 151-160 (2019).
15. Introduction to safe treatment methods to remove laboratory chemical wastes. 3rd National CBRN Safety & Security Coordination Conferences University of Babylon, April (2018).
16. Synthesis, characterization and preliminary pharmacological evaluation of triazolothiadiazoles derived from some NSAIDs and thiocarbohydrazide. *Al-Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*, 18(1): 73-92 (2018).
17. Synthesis, spectroscopic characterization of new heterocycles based on sulfamethoxazole as potent antimicrobial agents. *Al-Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*, 17(2): 59-75, (2017).
18. Facile synthesis, characterization of new quinazolinones with different azo compounds, 1,2,3-triazole moieties and evaluation their anti-bacterial activity. *Al-Mustansiriyah Journal of Sciences (MJS)*, 28(3): 122-133 (2017).
19. Synthesis, identification and anti-candida properties of some new bis (five, six, seven-membered heterocycles) attached pyrrole rings. *Al-Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*, 17(1): 176-191(2017).
20. Significance of TPO and some biochemical parameters in goiter patients. *Int. J. Pharm. Sci. Rev. & Res.*, 40(2): 251-254 (2016).
21. Synthesis, characterization and antibacterial screening of new 1-aminoanthraquinone derivatives. *Journal of Al-Nahrain University, Science (JNUS)*, 19 (1): 25-35 (2016).
22. Synthesis, characterization of some new azo compounds containing 1,3-oxazepine, anthraquinone moieties and studying their activity against pathogenic bacteria. *Journal of Natural Sciences Research*, 5(22): 69-80 (2015).
23. Significance of ACTH and some of biochemical markers in obese patients. *Journal of International Academic Research for Multidisciplinary*, 3(6): 367-371 (2015).
24. Evaluation of thyroid hormone and lipid profile in patients with myocardial infarction and find the relation between them. *Int. J. Sci. & Eng. Res.*, 6(5):1007-1010 (2015).
25. Synthesis, characterization and antimicrobial screening of some bioactive 1,8-naphthalimide derivatives. *Al-Mustansiriyah Journal for Pharmaceutical Sciences (AJPS)*, 14(2): 33-47 (2014).
26. Synthesis, evaluation antimicrobial activity of some new *N*-substituted naphthalimides containing different heterocyclic rings. *Iraqi Journal of Science*, 54(4):761-774 (2013).
27. Synthesis and characterization of novel 1,8-naphthalimide derivatives containing 1,3-oxazoles, 1,3-thiazoles, 1,2,4-triazoles as antimicrobial agents. *Journal of Al-Nahrain University, Science (JNUS)*, 16(4):55-66 (2013).
28. Estimation of some biochemical parameters in gallstone patient's in correlation with age. *Al-Mustansiriyah Journal of Education*, 6, 369-380 (2012).
29. The study of antibacterial activity of acridone derivatives containing 1,3,4-oxadiazole. *Al-Mustansiriyah Journal of Science*, 22(2): 13-26 (2011).
30. Synthesis of compounds containing 9(10*H*)-acridone. Lambert Academic Publishing, Germany, (2011).
31. Synthesis and pharmacological evaluation of 9(10*H*)-acridone bearing 1,3,4-oxadiazole derivatives as antimicrobial agents. *Arabian Journal of Chemistry*, 3(4): 205-210 (2010).

تطوير المهارات:

- المشاركة في ورش عمل ودورات التعليم المستمر (بصفة محاضر) / كلية الصيدلة / الجامعة المستنصرية (2021) .
- رئاسة اللجنة الامتحانية كلية الصيدلة / الجامعة المستنصرية (2020) .

- المشاركة في المؤتمر التنسيقي الوطني الثالث للسلامة والأمن الكيميائي والبايولوجي والاشعاعي والنووي جامعة بابل (بصفة باحث) (2018) وكذلك في العديد من الحلقات النقاشية عبر الويب (ويبنار) للسلامة والأمن الكيميائي جامعة بابل (2017) .
- المشاركة في مؤتمرات وندوات وورش عمل / كلية الصيدلة / الجامعة المستنصرية .
- المشاركة في العديد من ورش عمل السيطرة على تداول المواد الكيميائية والبايولوجية المقامة في جامعة بغداد والجامعة المستنصرية.
- اجتياز الدورة التأهيلية في الحاسوب / مركز الحاسبة الالكترونية / جامعة بغداد (2008) .
- اجتياز دورة طرائق التدريس التربوي / الجامعة المستنصرية (2006) .
- اجتياز الدورة التأهيلية في الحاسوب / مركز الحاسبة الالكترونية / الجامعة المستنصرية (2002) .

Prof. Dr. Ayad Kareem Khan

Mustansiriyah University – College of Pharmacy

Email: ayad@uomustansiriah.edu.iq

PERSONAL SUMMARY:

- I seek, through the use of my knowledge and scientific skills, to contribute in the development of educational outcomes, both quantitatively and qualitatively, in order to serve the process of higher education in our country.

EDUCATION:

1. Ph.D. Organic Chemistry. College of Sciences / Baghdad University. Iraq. (2014).
2. M.Sc. Organic Chemistry. College of Sciences / Al-Nahrain University. Iraq. (2006).
3. B.Sc. Chemistry. College of Sciences / Mustansiriyah University. Iraq. (2000).

ACADEMIC HONORS AND AWARDS:

Many of the thanks books and appreciation from:

1. Minister of Higher Education and Scientific Research.
2. Director General of the Department of Research and Development / Ministry of Higher Education and Scientific Research.
3. Chairman of the Supervisory Calendar Scientific / Ministry of Higher Education and Scientific Research.
4. President of Mustansiriyah University.
5. Scientific Assistant to the President of Mustansiriyah University.
6. Dean of the College of Pharmacy / Mustansiriyah University.
7. Dean of the College of Science / University of Baghdad.
8. Dean of the College of medicine / Al-Nahrain University.
9. Dean of the College of Science / Al-Nahrain University.
10. Dean of the College of Education for Pure Sciences / University of Diyala.

ACADEMIC /TEACHING EXPERIENCE:

1. Supervision of graduate students / College of Pharmacy / Mustansiriyah University.
2. Scientific and linguistic evaluation of master's and doctoral theses / Many Iraqi Universities.
3. Membership of committees for discussions of master's and doctoral theses / Many Iraqi Universities.
4. Scientific reviewer for many academic journals and international scientific conferences Iraqi + international within the discreet containers of Clarivate and Scopus.
5. Supervision of graduation projects for students in the 5th stage.
6. Teaching of many subjects for preliminary studies and graduate.
7. Supervise the process of teaching practical materials for preliminary studies.

COURSES TAUGHT:

Undergraduate	Graduate
<ol style="list-style-type: none">1. Organic Chemistry I (1st Stage).2. Organic Chemistry II (2nd Stage).3. Organic Chemistry III (2nd Stage).4. Graduation Projects (5th stage).	<ol style="list-style-type: none">1. Advanced Organic Chemistry.2. Advanced Heterocyclic Chemistry.3. Identification of Organic Compounds (Advanced).4. Selected Topics (Polymer Chemistry).5. Selected Topics (Organometallic Chemistry).6. Selected Topics (Synthetic methods for some heterocyclic compounds: examples of pharmaceuticals synthesis).7. Special Problems.

PROFESSIONAL AFFILIATIONS:

- Member of the Association of Iraqi Chemists.

PUBLICATIONS:

1. Synthesis, characterization and molecular docking study of novel *N*-substituted sulfadiazine derivatives as potential anti-mycobacterial agents. *Ind. J. Chem.* 61(6): 671-677(2022).
2. Molecular docking, ADME Study, synthesis and characterization of new 4-amino-5-aryl-4H-1,2,4-triazole-3-thiol derivatives. *J. Pharm. Neg. Res.* 13(7): 5491-5498 (2022).
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7. Design, molecular docking, synthesis and preliminary evaluation of the antimicrobial activity and stability against β -lactamases of dipeptides linked to cephalexin. *Int. J. Drug Delivery Tech.* 2021;11(4):1160-1168.
8. Molecular docking, synthesis and adme studies of new pyrazoline derivatives as potential anticancer agents. *Egypt. J. Chem.* 64(8): 4311-4322 (2021).
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10. New 2-methyl benzimidazole derivatives bearing 4-thiazolidinone heterocyclic rings: synthesis, preliminary pharmacological assessment and docking studies. *Res. J. Pharm. and Tech.* 14(3): 1515-1520 (2021).
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19. Synthesis, identification and anti-candida properties of some new bis (five, six, seven-membered heterocycles) attached pyrrole rings. *Al-Mustansiriyah Journal of Pharmaceutical Sciences (AJPS)*, 17(1): 176-191(2017).
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25. Synthesis, characterization and antimicrobial screening of some bioactive 1,8-naphthalimide derivatives. *Al-Mustansiriyah Journal for Pharmaceutical Sciences (AJPS)*, 14(2): 33-47 (2014).
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27. Synthesis and characterization of novel 1,8-naphthalimide derivatives containing 1,3-oxazoles, 1,3-thiazoles, 1,2,4-triazoles as antimicrobial agents. *Journal of Al-Nahrain University, Science (JNUS)*, 16(4):55-66 (2013).
28. Estimation of some biochemical parameters in gallstone patient's in correlation with age. *Al-Mustansiriyah Journal of Education*, 6, 369-380 (2012).
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31. Synthesis and pharmacological evaluation of 9(10*H*)-acridone bearing 1,3,4-oxadiazole derivatives as antimicrobial agents. *Arabian Journal of Chemistry*, 3(4): 205-210 (2010).

PROFESSIONAL DEVELOPMENT

- Participate in workshops and continuing education courses (as a lecturer) / College of Pharmacy / Mustansiriyah University (2021).
- Presidency of the examination committee, College of Pharmacy / Mustansiriyah University (2020).
- Participate in Third National CBRN Safety & Security Coordination Conferences University of Babylon, (as Researcher) 2018. Also participate in several webinars for chemical Safety & Security University of Babylon (2017).
- Participate in conferences Symposium and workshops / College of Pharmacy / Mustansiriyah University.
- Participate in several workshops to control the circulation of chemical and biological materials / University of Baghdad and Mustansiriyah University.
- Passing the qualifying course in the computer center / University of Baghdad (2008).
- Passing the educational methods of teaching course / Mustansiriyah University (2006).
- Passing the qualifying course in the computer center / Mustansiriyah University (2002).