

Curriculum Vitae

Prof. Dr. Ahmed Ali Mohammed

Mustansiriyah University – College of Pharmacy

E-mail: ahmedmohammed@uomustansiriyah.edu.iq
alazzauy@yahoo.com

PERSONAL SUMMARY:

- Professor of Biomedical Sciences: Immunology, Immunopathology, Medical Parasitology and Human Biology, with around 23 years of experience in University teaching of practical and theoretical parts of many biological and biomedical disciplines.
- Senior laboratory leader for a period of 12 years, with special diagnostic and training skills.
- Research team leader with advanced research skills including designing, achievement and follow-up.
- Professional in cell culture work and techniques, Immunocytochemistry, Fluorescence Microscopy and other immunological techniques.
- Have advanced writing skills: Books, Theses, Scientific papers and Researches.

EDUCATION:

1. M.Sc., Ph.D. Immunoparasitology/ University of Salford International-UK/ 2017.
2. M.Sc. Immunoparasitology/ University of Baghdad-Iraq/ 1999.
3. B.Sc. Biology/ University of Baghdad-Iraq/ 1996.

ACADEMIC HONORS AND AWARDS:

- A prize from the Iraqi Ministry of Higher Education & Scientific Research had been granted to the M.Sc. thesis as one of the researches of creators/ 2000.
- A prize from the office of the Iraqi republican presidency had been granted to my Patent/ 2002.
- A prize of inventors and appreciation certificate from the president of The University of Mustansiriyah/ 2018.
- Numerous letters of thankfulness and appreciation from: the Minister of Higher Education, the presidents of the university of Baghdad and Al-Mustansiriyah, the dean of Al-Kindy College of Medicine, the deans of the College of Pharmacy/ University of Al-Mustansiriyah, and from the Iraqi attache in the Iraqi Cultural Attaché in London/ UK.

ACADEMIC/ TEACHING EXPERIENCE:

- **External lecturer:**
 - Teaching Medical Biology/ The Medical Institution/ Baghdad/ external lecturer for a year/ 1997-1998.
 - Teaching Parasitology (the practical part)/ College of Medical and Health Technologies/ Baghdad/ external lecturer for a year/ 1999-2000.

-Teaching Pathology (the practical part)/ College of Medical and Health Technologies/ Baghdad/ external lecturer for a year/ 1999-2000.

-Teaching Medical Biology (the practical part)/ College of Medical and Health Technologies/ Baghdad/ external lecturer for a year/ 1999-2000.

- **Official teaching staff member:**

- Assistant lecturer, researcher/ Tropical Diseases Research Unit/ Al-Kindy College of Medicine/ University of Baghdad/ 2001-2002.

- Assistant lecturer/ College of Pharmacy/ University of Al-Mustansiriyah/ 2002-2006.

- Lecturer/ College of Pharmacy/ University of Al-Mustansiriyah/ 2006-2010.

- Assistant professor/ College of Pharmacy/ University of Al-Mustansiriyah/ 2010-2020.

- Professor/ College of Pharmacy/ University of Al-Mustansiriyah/ 2020.

- **I served in the following:**

1. Teaching Medical Parasitology/ Year 2-undergraduates/ theoretical and practical parts from 2003-2013.

2. Teaching Human Biology/ Year 1-undergraduates/ theoretical part 2003/2004.

3. Teaching Human Biology/ Year 1-undergraduates/ practical part from 2003-2007.

4. Teaching Bacteriology/ Year 2-undergraduates/ practical part 2002/2003.

5. Supervisor of Clinical Laboratory Training/ Hospital training course/ Year 5-undergraduates/ 2012/2013.

6. A member in the examinations committee/ 2002.

7. A referee in Almustansiriyah journal of Pharmaceutical Sciences (AJPS)/ 2012-2013.

8. A general supervisor of Microbiology lab/ 2012-2013.

9. A general supervisor of Microbiology lab/ 2017.

10. Teaching Immunology/ Year 2-undergraduates/ theoretical part/ 2017.

11. Teaching Clinical Laboratory Training/ Hospital training course/ Postgraduate-M.Sc. Students/ 2018.

12. Teaching English Language/ Year 1-undergraduates/ 2018.

13. Teaching Human Biology/ Year 1-undergraduates/ 2018 to present.

14. Teaching English Language/ Postgraduates-M.Sc. Students/ 2018.

15. Teaching English Language/ Postgraduates-Ph.D. Students/ 2018 to present.

16. Teaching Diagnostic Parasitology/ Postgraduates-M.Sc. Students/ 2018.

17. Supervised a Ph.D. Student/ 2018-2020.

18. Supervised an M.Sc. Student/ 2018-2021.

19. Supervised a graduation project of Year 5-undergraduate students/ 2018/2019.

20. Supervised a Higher Diploma Student/ 2020.

21. Supervise an M.Sc. Student/ 2020 (in progress).

- A referee in the journal "Memorias Do Instituto Oswaldo Cruz"/ 2013-2015.

- A demonstrator in Parasitology/ 2015/ University of Salford-UK.

- A demonstrator in Biomedical Sciences: Biology, Human Biology and Infectious Diseases/ 2015/ University of Salford-UK.

- A member of the Editorial Board of the Journal "Clinical Immunology & Research"/ 2017 to present.

- A member of the Accreditation Committee of Pharmacy Education/ College of Pharmacy-Mustansiriyah University/ 2018-2020.

- A member of the central scientific and postgraduate committee/ College of Pharmacy-Mustansiriyah University/ 2018-2020.

- A chairman of the Committee of examining the reliability of scientific journals/ College of Pharmacy-Mustansiriyah University/ 2018-2020.
- A chairman of the examination committee/ College of Pharmacy-Mustansiriyah University/ 2019-2020.
- A member in the scientific committee of the branch of clinical laboratory sciences/ 2020 to present.
- A chairman and member of many discussion committees of the postgraduate students/2020 to present.

COURSES TAUGHT:

Undergraduate	Graduate
1. Medical Parasitology.	1. Medical Parasitology (Higher Diploma).
2. Human Biology.	2. Seminar (Higher Diploma).
3. Bacteriology.	3. Diagnostic Parasitology (M.Sc.).
4. Clinical laboratory training (Hospital training).	4. Hospital training course (M.Sc.).
5. Immunology.	5. Advanced Medical Parasitology (M.Sc.).
6. English Language	6. English Language (M.Sc.).
	7. Seminar (M.Sc.).
	6. Research Methodology (Ph.D.).
	7. English Language (Ph.D.).
	8. Cell culture techniques (M.Sc./ selected Topic).

PROFESSIONAL AFFILIATIONS:

- Official Teaching Staff Member in the College of Pharmacy/ University of Al-Mustansiriyah (from 2002 to present).
- Member in the British Society for Immunology (BSI)/ from 2015 to present.
- Member in the British Society for Parasitology (BSP)/ from 2014 to present.
- Member in the Iraqi Society of Microbiology/ from 2000 to present.
- Member of the Editorial Board of the Journal “Clinical Immunology & Research”/ 2017 to present.
- Member of the Ministerial Committee for Approval, Follow-up and Evaluation of Research Projects within the Medicinal Plants and Herbal Medicines Project and the Medicines and Pesticides Project.

PUBLICATIONS:

A- RESEARCHES

1. “Comparative study of the immunization of white (mice & hamster) against Hydatid cysts using excretion/secretion and cyst fluid antigens”/M.Sc. thesis/ College of Science/ University of Baghdad/1999/ It had been honored from the Iraqi Ministry of Higher Education & Scientific Researches as one of the researches of creators.
2. “The extraction of (RA) & (BA) plant dyes and use them in the viability test of *Echinococcus granulosus* protoscolices/patent/registered in the central organization for standardization and quality control, Iraq-Baghdad/ It had been honored from (The office of the republic presidency)/2002.
3. “Comparative study of the immunization of white hamster against hydatid cysts/Published/ Journal of the Faculty of Medicine-University of Baghdad/2001.

4. "The prevalence of Schistosomiasis among children of primary schools in Balad-Rooz"/Published/Almustansiriya journal of pharmaceutical sciences/2008.
5. "A brief study about the preservation of *Echinococcus granulosus* protoscolices *in vitro* for long periods"/Published/Almustansiriya journal of pharmaceutical sciences/2009.
6. "Oxidative stress and antioxidant status in human infected with Kala-azar"/Published/Almustansiriya journal of pharmaceutical sciences/2009.
7. "Evaluation of erythrocyte malondialdehyde, glutathione concentration and serum nitric oxide levels in patients with *Toxoplasma gondii*" /Published/Ibn Al-Haitham Journal for Pure & Applied Sciences /2011.
8. "The use of the water extract of *Rosa spp.* petals as a bacterial growth medium"/Published/Almustansiriya journal of pharmaceutical sciences/2011.
9. "The beetroot juice as a bacterial growth and maintenance medium for many pathogenic bacteria"/Published/Iraq journal of market research and consumer protection/2011.
10. "Oxidative stress and erythrocyte glutathione defence system in smokers and non-smokers gastric carcinoma patients"/Published/Iraqi journal of cancer and medical genetics/2011.
11. "Survival rates of *Bulinus truncatus* as a way to determine the molluscicidal activity of *Ricinus communis* extracts"/Published/Iraqi Journal of Biotechnology/2015.
12. "Does hydatid cyst fluid from *Echinococcus granulosus* cysts have any effect on cells involved in fibrosis in cystic echinococcosis?/ Published (abstract)/ Journal of Bacteriology and Parasitology/ 2016.
13. "Does Hydatid Cyst Fluid from *Echinococcus granulosus* Metacestode contribute to Fibrosis? A Study on A549 Human Lung Cell Line"/ Ph.D. thesis/ College of Science and Technology/ School of Environment and Life Sciences-Biomedical Research Centre/ University of Salford-UK/ 2017.
14. "*Echinococcus granulosus* cyst fluid enhances epithelial-mesenchymal transition"/ Published/ Parasite Immunology/ 2018.
15. "Beetroot juice as an alternative growth and maintenance medium for six isolates of *Mycobacterium spp.*" / Published/ Journal of Pharmaceutical Sciences and Research/ 2018.
16. "Evaluation of oxidative stress in patients of follicular thyroid cancer and study the therapeutic effect of Resveratrol on oxidative stress in FTC-133 thyroid cancer cell line/ Published/ International Journal of Drug Delivery Technology/ 2019.
17. "Using the level of serum YKL-40 as an indicator to the pathogenesis of allergic asthma and helminths infection/ Published/ Indian Journal of Public Health Research & Development/ 2019.
18. "Investigating the Level of Vitamin E, C and Superoxide Dismutase in Patients with Allergic Asthma and Allergic Asthma with Helminths Infection"/ Published/ Medico-Legal Update/ 2020.
19. "A recent update on cystic echinococcosis in the city of Baghdad"/ Published/ Annals of Tropical Medicine & Public Health/ 2020.
20. "Evaluation of Oxidative Stress and Antioxidants in Iraqi Patients with Hydatid Disease"/ Published/ Indian Journal of Forensic Medicine & Toxicology/ 2020.

21. "Beetroot juice as an alternative growth and maintenance medium for six isolates of *Mycobacterium* spp."/ Patent/ registered in the central organization for standardization and quality control, Iraq-Baghdad/ 2020.
22. "Immunocytochemistry of *In vitro* produced mucin from HT29-MTX cell line"/ Published/ Indian Journal of Forensic Medicine & Toxicology/ 2020.
23. "The Intervention of the Pirfenidone with Pericyst Layer Building of the Hydatid Cyst"/ Published/ Systematic Reviews in Pharmacy/ 2021.
24. "YKL-40 as a novel diagnostic biomarker in Toxoplasmosis"/ Published/ Journal of Population Therapeutics & Clinical Pharmacology/ 2022.
25. "Estimating the Role of IL-10 and IL-17 in the Acute and Chronic Toxoplasmosis"/ Published/ Jundishapur Journal of Microbiology/ 2022.

B- BOOKS

1. Atlas of Medical Parasitology/ Textbook for teaching the practical part of medical Parasitology and a laboratory guide for the parasite diagnosis/ Printed and registered in the Iraqi National Library/ Published/ 2012/ ISBN: 9789922205717.
2. Medical Parasitology/ Textbook for theoretical and practical teaching purposes for 2nd year students of pharmacy colleges and medical laboratory workers/ Printed and registered in the Iraqi National Library/ Published/ 2012/ ISBN: 9789922205700.
3. Medical Parasitology/ Curriculum booklet for the practical part of Medical Parasitology for 2nd year students of pharmacy colleges/ Officially adopted for teaching by the University of Al-Mustansiriyah since 2013 to date.

PROFESSIONAL DEVELOPMENT:

Certifications, Conferences & Workshops:

Training & Workshops:

- The educational rehabilitation for teachers/ Center of developing university teaching & training methods/ University of Baghdad/ 2001/ Rank 2 from a class of 22.
- A condensed training course in Computer for scientific promotion of university teachers/ Center of computer/ University of Mustansiriyah/ College of education/ 2006/ Grade: excellence, Rank 1 from a class of 8 members.
- Internet and Computing Core Certification (IC³) test/ 2012/ average marks 940.66.
- English preparation course-TOEFL/ Al-Rajih Institute for foreign languages/ Baghdad 2012/ Rank 1 from a class of 12.
- Introduction to EndNote X7/ 2013/ University of Salford-UK.
- Doing literature review/ 2014/ University of Salford-UK.
- Condensed training on ELISA, SDS-gel electrophoresis, Western blotting, Bradford protein estimation Assay/ 2014-2015/ University of Salford-UK.
- Condensed training on Cell culture techniques/ 2015/ University of Salford-UK.
- Condensed training on Immunocytochemistry work and techniques, Immunofluorescence microscopy/ 2016/ University of Salford-UK.

- Single cell genomic facilities- Flow Cytometry, High Resolution Microscopy, Imaging Cytometry and the recent techniques developed in cell imaging and follow up/ Workshop/ 2016/ University of Manchester-UK.
- Best Practices for Planning and Evaluation of Experiential Education/ Workshop/ 2018/ Abu Dhabi-UAE.
- Hormones to diagnose diseases/ Workshop/ 2018/ The Ministry of Science and Technology/ Baghdad-Iraq/ Rank 3.

Certificates & Conferences

- The 7th Scientific Conference of the Faculty of Pharmacy/ University of Baghdad/ Baghdad 2008.
- The 5th Scientific Conference of Al-Mustansiriyah College of Medicine/ Baghdad 2010.
- The 8th Scientific Conference of the Faculty of Pharmacy/ University of Baghdad/ Baghdad 2011.
- The 6th Scientific Conference of Al-Mustansiriyah College of Medicine/ Baghdad 2011.
- The 7th Scientific Conference of Al-Mustansiriyah College of Medicine/ Baghdad 2012.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah-College of Pharmacy/Branch of Drugs and therapeutics/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Medical Microbiology and Biotechnology/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Pharmaceutics/ Baghdad 2011.
- The 1st Scientific Symposium of the Iraqi Society of Clinical Biochemistry/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Pharmaceutical Chemistry and Pharmacognosy/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Clinical Laboratory Sciences/ Baghdad 2012.
- The 2nd Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Pharmaceutical Chemistry and Pharmacognosy/ Baghdad 2012.
- Spring meeting conference of British Society for Parasitology (BSP)/ Cambridge, UK/ 2014.
- Dean's Research Showcase conference/ Salford-Media City, UK/ 2015.
- The 21st IFCC– EFLM European Congress of Clinical Chemistry and Laboratory Medicine/Paris, France/2015.
- Lab Innovations 2015 NEC conference/Birmingham, UK/2015.
- International conference on Medical Parasitology and Zoology/ Houston, Texas-USA/ 2016.
- The 7th world congress on Microbiology/ Valencia, Spain/ 2016.
- The first exhibition of patents and industrial models/ Baghdad-Iraq/ 2018.
- The Iraqi Medical association 41st scientific conference/ Baghdad-Iraq/ 2018.
- The 1st International Virtual Conference of Pharmacy Education and Postgraduate Studies: "Education Trends During and After the Pandemic"/ University of Mustansiriyah/ College of Pharmacy/ Baghdad-Iraq/ 2020.
- The 2nd International Virtual Conference "Creativity in Scientific Research towards a Better future"/ University of Mustansiriyah/ College of Pharmacy/ Baghdad-Iraq/ 2021.
- The 2nd International Conference of Al-Rasheed University College/ Baghdad-Iraq/ 2021.
- The 3rd International Virtual Conference "Modern Trends and Technologies in Pharmacy Research"/ University of Mustansiriyah/ College of Pharmacy/ Baghdad-Iraq/ 2022.
- The 42nd Ain Shams International Medical Congress/ Cairo-Egypt/ 2022.

أ.د. أحمد علي محمد

الجامعة المستنصرية – كلية الصيدلة

Email: ahmedmohammed@uomustansiriyah.edu.iq
alazzauy@yahoo.com

ملخص تعريفي:

- أستاذ العلوم الطبية البايولوجية: علم المناعة، علم المناعة المرضية، علم الطفيليات الطبية، علم حياة الانسان والبايولوجي الطبي مع خبرة أكاديمية تقارب ٢٣ عاماً في التدريس الجامعي للعديد من التخصصات البيولوجية والطبية البايولوجية بشطريها العملي والنظري.
- متخصص و متمرس بالعمل المختبري لمدة ١٢ عاماً مع مهارات تشخيصية وتدريبية خاصة.
- قمت بقيادة العديد من الفرق البحثية مع مهارات بحثية متقدمة بما في ذلك تصميم واجراء ومتابعة البحوث العلمية.
- متخصص في العمل في مجال زراعة وتنمية الخلايا وتقنياتها، وفي مجال الكيمياء المناعية و الفحص المجهرى الفلوري وغيرها من التقنيات المناعية.
- أمتلك مهارات متقدمة في كتابة الكتب، الرسائل الجامعية، الأوراق العلمية و البحوث.

الشهادات الدراسية:

- دكتوراه و ماجستير مناعة طفيليات/ جامعة سالفورد الدولية/ المملكة المتحدة (بريطانيا)/ ٢٠١٧.
- ماجستير مناعة طفيليات/ جامعة بغداد/ العراق / ١٩٩٩.
- بكالوريوس علوم الحياة/ جامعة بغداد/ العراق / ١٩٩٦.

الجوائز والتكريم الأكاديمي

- حاصل على جائزة بحوث المبدعين على رسالة الماجستير من قبل وزارة التعليم العالي والبحث العلمي / ٢٠٠٠.
- حاصل على تكريم من قبل ديوان رئاسة الجمهورية العراقية للحصول على براءة اختراع / ٢٠٠٢.
- حاصل على ميدالية الابداع من رئاسة الجامعة المستنصرية للحصول على براءة اختراع / ٢٠١٨ .
- حاصل على العديد من كتب الشكر من السيد وزير التعليم العالي، السادة رؤساء جامعة بغداد والجامعة المستنصرية، السادة عمداء كليتي طب الكندي وصيدلة المستنصرية والملحق الثقافي العراقي في لندن/ المملكة المتحدة (بريطانيا).

الخبرة الأكاديمية والتدريس:

- **كمحاضر خارجي:**
- تدريس مادة البايولوجي الطبي والطفيليات الطبية في المعهد الطبي وكلية التقنيات الطبية والصحية للفترة من ١٩٩٧-٢٠٠٠.
- **عضو هيئة تدريسية بشكل رسمي:**
- تدريس مادة علم الطفيليات الطبية للمرحلة الثانية/الجزء النظري والجزء العملي/من ٢٠٠٣-٢٠١٢.
- تدريس مادة علم حياة الإنسان للمرحلة الأولى/الجزء النظري من ٢٠٠٣-٢٠٠٤ و الجزء العملي من ٢٠٠٣-٢٠٠٧.
- تدريس مادة علم البكتريا للمرحلة الثانية/الجزء العملي/ ٢٠٠٢-٢٠٠٣.
- عضو لجنة إمتحانية/ ٢٠٠٢.
- مشرف على مختبر الاحياء المجهرية الطبية/ ٢٠١٢.
- تقييم البحوث المقدمة للنشر في مجلة المستنصرية للعلوم الصيدلانية ٢٠١٢-٢٠١٣.
- مشرف على مختبر الاحياء المجهرية الطبية/ ٢٠١٧.
- تدريس مادة علم المناعة للمرحلة الثانية/الجزء النظري/ ٢٠١٧.
- تدريس مادة تدريب المختبرات والتدريب بالمستشفيات/طلاب الدراسات العليا (الماجستير)/ ٢٠١٨.
- تدريس مادة اللغة الإنكليزية لطلاب المرحلة الأولى / ٢٠١٨.
- تدريس مادة علم حياة الانسان للمرحلة الأولى-الجزء النظري/ ٢٠١٨ – مستمر.
- تدريس مادة اللغة الإنكليزية لطلاب الماجستير / ٢٠١٨.
- تدريس مادة اللغة الإنكليزية لطلاب الدكتوراه/ ٢٠١٨ – مستمر.

- تدريس مادة علم الطفيليات التشخيصي للدراسات العليا (ماجستير) / ٢٠١٨.
- تدريس مادة علم الطفيليات الطبية المتقدم لطلاب الماجستير / ٢٠١٩.
- تدريس مادة الطفيليات الطبية لطلاب الدبلوم العالي / ٢٠٢٠.
- تدريس مادة السمنا لطلاب الدراسات العليا – الدبلوم العالي / ٢٠٢٠.
- تدريس مادة السمنا لطلاب الدراسات العليا – الماجستير / ٢٠٢٠.
- عضو لجنة الاعتمادية الدولية في كلية الصيدلة / ٢٠١٨-٢٠١٩.
- عضو اللجنة العلمية المركزية والدراسات العليا / ٢٠١٨-٢٠١٩.
- رئيس اللجنة الامتحانية في كلية الصيدلة-الجامعة المستنصرية/ ٢٠١٩-٢٠٢٠.
- رئيس لجنة فحص رصانة المجالات العالمية/ ٢٠١٨-٢٠١٩.
- عضو اللجنة العلمية لفرع العلوم المختبرية السريرية/ ٢٠١٩ – مستمر.
- الاشراف على أطروحة دكتوراه/ ٢٠١٨ – ٢٠٢٠.
- الاشراف على رسالة ماجستير / ٢٠١٨ – ٢٠٢١.
- الاشراف على رسالة دبلوم عالي/ ٢٠١٩-٢٠٢٠.
- رئيس وعضو في عدد من لجان مناقشات طلاب الدراسات العليا / ٢٠٢٠- مستمر.
- الاشراف على بحوث التخرج لطلاب المرحلة الخامسة في كلية الصيدلة/ ٢٠١٨.
- مسؤول عن متابعة التعليم المدمج عن فرع العلوم المختبرية السريرية/ ٢٠٢١
- رئيس لجنة ترجمة أخبار الكلية/ ٢٠٢٠- مستمر
- عضو لجنة تطوير كلية الصيدلة ومسؤول محور البحث العلمي / ٢٠٢١- مستمر.
- تقييم البحوث العلمية في مجلة Memorias Do Instituto Oswaldo Cruz / ٢٠١٣-٢٠١٥.
- محاضر في الجزء العملي لمادة علم الطفيليات في جامعة سالفورد-بريطانيا/ ٢٠١٥.
- محاضر في الجزء العملي في البايولوجي الطبي وعلم حياة الانسان في جامعة سالفورد-بريطانيا/ ٢٠١٥.
- محاضر في الجزء العملي لمادة الامراض الانتقالية في جامعة سالفورد-بريطانيا/ ٢٠١٥.
- محاضر في الجزء العملي لمادة الكيمياء الحياتية الصيدلانية لطلاب الماجستير في جامعة سالفورد-بريطانيا/ ٢٠١٥.
- عضو هيئة تحرير مجلة Clinical Immunology & Research / ٢٠١٧- مستمر.
- عضو اللجنة الوزارية لإقرار ومتابعة وتقييم المشاريع البحثية ضمن مشروع النباتات الطبية والأدوية العشبية ومشروع الأدوية والمبيدات.

المقررات الدراسية التي تم تدريسها:

الدراسات الأولية	الدراسات العليا
١. علم الطفيليات الطبية.	١. الطفيليات الطبية (دبلوم عالي).
٢. علم الأحياء البشري.	٢. الندوة العلمية (السمنا) / (دبلوم عالي).
٣. علم المجهرية (البكتريا).	٣. علم الطفيليات التشخيصي (ماجستير).
٤. تدريب مختبرات في المختبرات التعليمية في المستشفيات.	٤. تدريب في المختبرات التعليمية في المستشفيات (ماجستير).
٥. علم المناعة.	٥. علم الطفيليات الطبية المتقدم (ماجستير).
٦. اللغة الإنكليزية.	٦. اللغة الإنكليزية (ماجستير).
	٧. الندوة العلمية (السمنا) / (ماجستير).
	٦. منهج البحث العلمي (دكتوراه).
	٧. اللغة الإنكليزية (دكتوراه).
	٨. تقنيات زراعة الخلايا (ماجستير / إختياري).

الإنتساب المهني او الجمعيات:

- أستاذ جامعي وعضو هيئة تدريسية في كلية الصيدلة/ الجامعة المستنصرية ٢٠٠٢ حتى الآن.
- عضو جمعية الأحياء المجهرية العراقية منذ عام ٢٠٠٠.
- عضو الجمعية البريطانية لعلم الطفيليات منذ عام ٢٠١٤.
- عضو الجمعية البريطانية لعلم المناعة منذ عام ٢٠١٥.
- عضو هيئة تحرير مجلة Clinical Immunology & Research / ٢٠١٧ حتى الآن.

1. "Comparative study of the immunization of white (mice & hamster) against Hydatid cysts using excretion/secretion and cyst fluid antigens"/M.Sc. thesis/ College of Science/ University of Baghdad/1999/ It had been honored from the Iraqi Ministry of Higher Education & Scientific Researches as one of the researches of creators.
2. "The extraction of (RA) & (BA) plant dyes and use them in the viability test of *Echinococcus granulosus* protoscolices/patent/registered in the central organization for standardization and quality control, Iraq-Baghdad/ It had been honored from (The office of the republic presidency)/2002.
3. "Comparative study of the immunization of white hamster against hydatid cysts/Published/ Journal of the Faculty of Medicine-University of Baghdad/2001.
4. "The prevalence of Schistosomiasis among children of primary schools in Balad-Rooz"/Published/Almustansiriya journal of pharmaceutical sciences/2008.
5. "A brief study about the preservation of *Echinococcus granulosus* protoscolices *in vitro* for long periods"/Published/Almustansiriya journal of pharmaceutical sciences/2009.
6. "Oxidative stress and antioxidant status in human infected with Kala-azar"/Published/Almustansiriya journal of pharmaceutical sciences/2009.
7. "Evaluation of erythrocyte malondialdehyde, glutathione concentration and serum nitric oxide levels in patients with *Toxoplasma gondii*" /Published/Ibn Al-Haitham Journal for Pure & Applied Sciences /2011.
8. "The use of the water extract of *Rosa spp.* petals as a bacterial growth medium"/Published/Almustansiriya journal of pharmaceutical sciences/2011.
9. "The beetroot juice as a bacterial growth and maintenance medium for many pathogenic bacteria"/Published/Iraq journal of market research and consumer protection/2011.
10. "Oxidative stress and erythrocyte glutathione defence system in smokers and non-smokers gastric carcinoma patients"/Published/Iraqi journal of cancer and medical genetics/2011.
11. "Survival rates of *Bulinus truncatus* as a way to determine the molluscicidal activity of *Ricinus communis* extracts"/Published/Iraqi Journal of Biotechnology/2015.
12. "Does hydatid cyst fluid from *Echinococcus granulosus* cysts have any effect on cells involved in fibrosis in cystic echinococcosis?/ Published (abstract)/ Journal of Bacteriology and Parasitology/ 2016.
13. "Does Hydatid Cyst Fluid from *Echinococcus granulosus* Metacestode contribute to Fibrosis? A Study on A549 Human Lung Cell Line"/ Ph.D. thesis/ College of Science and Technology/ School of Environment and Life Sciences-Biomedical Research Centre/ University of Salford-UK/ 2017.
14. "*Echinococcus granulosus* cyst fluid enhances epithelial-mesenchymal transition"/ Published/ Parasite Immunology/ 2018.
15. "Beetroot juice as an alternative growth and maintenance medium for six isolates of *Mycobacterium spp.*" / Published/ Journal of Pharmaceutical Sciences and Research/ 2018.

16. "Evaluation of oxidative stress in patients of follicular thyroid cancer and study the therapeutic effect of Resveratrol on oxidative stress in FTC-133 thyroid cancer cell line/ Published/ International Journal of Drug Delivery Technology/ 2019.
17. "Using the level of serum YKL-40 as an indicator to the pathogenesis of allergic asthma and helminths infection/ Published/ Indian Journal of Public Health Research & Development/ 2019.
18. "Investigating the Level of Vitamin E, C and Superoxide Dismutase in Patients with Allergic Asthma and Allergic Asthma with Helminths Infection"/ Published/ Medico-Legal Update/ 2020.
19. "A recent update on cystic echinococcosis in the city of Baghdad"/ Published/ Annals of Tropical Medicine & Public Health/ 2020.
20. "Evaluation of Oxidative Stress and Antioxidants in Iraqi Patients with Hydatid Disease"/ Published/ Indian Journal of Forensic Medicine & Toxicology/ 2020.
21. "Beetroot juice as an alternative growth and maintenance medium for six isolates of *Mycobacterium* spp."/ Patent/ registered in the central organization for standardization and quality control, Iraq-Baghdad/ 2020.
22. "Immunocytochemistry of *In vitro* produced mucin from HT29-MTX cell line"/ Published/ Indian Journal of Forensic Medicine & Toxicology/ 2020.
23. "The Intervention of the Pirfenidone with Pericyst Layer Building of the Hydatid Cyst"/ Published/ Systematic Reviews in Pharmacy/ 2021.
24. "YKL-40 as a novel diagnostic biomarker in Toxoplasmosis"/ Published/ Journal of Population Therapeutics & Clinical Pharmacology/ 2022.
25. "Estimating the Role of IL-10 and IL-17 in the Acute and Chronic Toxoplasmosis"/ Published/ Jundishapur Journal of Microbiology/ 2022.

• المؤلفات:

1. Atlas of Medical Parasitology

أطلس الطفيليات الطبية/كتاب منهجي لتدريس الجزء العملي لمادة الطفيليات الطبية لطلاب كلية الصيدلة ودليل مساعد في تشخيص الطفيليات الطبية في المختبرات/ حاصل على موافقة وإقرار مجلس كلية الصيدلة/الجامعة المستنصرية ومجلس الجامعة المستنصرية/مسجل رسمياً ومودع في المكتبة الوطنية وحاصل على رقم التصنيف الدولي ISBN.

2. Medical Parasitology

الطفيليات الطبية/كتاب منهجي لتدريس الجزء النظري والعملي لمادة الطفيليات الطبية لطلاب كلية الصيدلة، ودليل مساعد في تشخيص الطفيليات الطبية للعاملين في مجال المختبرات/ حاصل على موافقة وإقرار مجلس كلية الصيدلة/الجامعة المستنصرية ومجلس الجامعة المستنصرية/ مسجل رسمياً ومودع في المكتبة الوطنية وحاصل على رقم التصنيف الدولي ISBN.

3. Medical Parasitology

كُتِب (ملزمة) الطفيليات الطبية لتدريس الجزء العملي لمادة الطفيليات الطبية لطلاب كلية الصيدلة، تم اعتمادها رسمياً كمنهج من قبل الجامعة المستنصرية/ ٢٠١٣.

تطوير المهارات:

• الدورات والورش التدريبية:

- The educational rehabilitation for teachers/ Center of developing university teaching & training methods/ University of Baghdad/ 2001/ Rank 2 from a class of 22.
- A condensed training course in Computer for scientific promotion of university teachers/ Center of computer/ University of Mustansiriyah/ College of education/ 2006/ Grade: excellence, Rank 1 from a class of 8 members.
- Internet and Computing Core Certification (IC³) test/ 2012/ average marks 940.66.
- English preparation course-TOEFL/ Al-Rajih Institute for foreign languages/ Baghdad 2012/ Rank 1 from a class of 12.
- Introduction to EndNote X7/ 2013/ University of Salford-UK.
- Doing literature review/ 2014/ University of Salford-UK.
- Condensed training on ELISA, SDS-gel electrophoresis, Western blotting, Bradford protein estimation Assay/ 2014-2015/ University of Salford-UK.
- Condensed training on Cell culture techniques/ 2015/ University of Salford-UK.
- Condensed training on Immunocytochemistry work and techniques, Immunofluorescence microscopy/ 2016/ University of Salford-UK.
- Single cell genomic facilities- Flow Cytometry, High Resolution Microscopy, Imaging Cytometry and the recent techniques developed in cell imaging and follow up/ Workshop/ 2016/ University of Manchester-UK.
- Best Practices for Planning and Evaluation of Experiential Education/ Workshop/ 2018/ Abu Dhabi-UAE.
- Hormones to diagnose diseases/ Workshop/ 2018/ The Ministry of Science and Technology/ Baghdad-Iraq/ Rank 3.

• المؤتمرات:

- The 7th Scientific Conference of the Faculty of Pharmacy/ University of Baghdad/ Baghdad 2008.
- The 5th Scientific Conference of Al-Mustansiriyah College of Medicine/ Baghdad 2010.
- The 8th Scientific Conference of the Faculty of Pharmacy/ University of Baghdad/ Baghdad 2011.
- The 6th Scientific Conference of Al-Mustansiriyah College of Medicine/ Baghdad 2011.
- The 7th Scientific Conference of Al-Mustansiriyah College of Medicine/ Baghdad 2012.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah-College of Pharmacy/Branch of Drugs and therapeutics/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Medical Microbiology and Biotechnology/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Pharmaceutics/ Baghdad 2011.
- The 1st Scientific Symposium of the Iraqi Society of Clinical Biochemistry/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Pharmaceutical Chemistry and Pharmacognosy/ Baghdad 2011.
- The 1st Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Clinical Laboratory Sciences/ Baghdad 2012.
- The 2nd Scientific Symposium of the Faculty of Pharmacy/ University of Mustansiriyah/ Branch of Pharmaceutical Chemistry and Pharmacognosy/ Baghdad 2012.
- Spring meeting conference of British Society for Parasitology (BSP)/ Cambridge, UK/ 2014.
- Dean's Research Showcase conference/ Salford-Media City, UK/ 2015.

- The 21st IFCC– EFLM European Congress of Clinical Chemistry and Laboratory Medicine/Paris, France/2015.
- Lab Innovations 2015 NEC conference/Birmingham, UK/2015.
- International conference on Medical Parasitology and Zoology/ Houston, Texas-USA/ 2016.
- The 7th world congress on Microbiology/ Valencia, Spain/ 2016.
- The first exhibition of patents and industrial models/ Baghdad-Iraq/ 2018.
- The Iraqi Medical association 41st scientific conference/ Baghdad-Iraq/ 2018.
- The 1st International Virtual Conference of Pharmacy Education and Postgraduate Studies: “Education Trends During and After the Pandemic”/ University of Mustansiriyah/ College of Pharmacy/ Baghdad-Iraq/ 2020.
- The 2nd International Virtual Conference “Creativity in Scientific Research towards a Better future”/ University of Mustansiriyah/ College of Pharmacy/ Baghdad-Iraq/ 2021.
- The 2nd International Conference of Al-Rasheed University College/ Baghdad-Iraq/ 2021.
- The 3rd International Virtual Conference ”Modern Trends and Technologies in Pharmacy Research”/ University of Mustansiriyah/ College of Pharmacy/ Baghdad-Iraq/ 2022.
- The 42nd Ain Shams International Medical Congress/ Cairo-Egypt/ 2022.