

Curriculum Vitae

السيرة الذاتية



الاسم : د. حامد هاشم محمد حسن الساعدي

تاريخ التعيين : (سنة 2001) في قسم الكيمياء / كلية العلوم / الجامعة المستنصرية

الشهادات و الالقاب :

- 1- حصل على شهادة البكالوريوس من الجامعة المستنصرية / كلية العلوم – قسم الكيمياء سنة 1995
- 2- حصل على شهادة الماجستير في الكيمياء العضوية من الجامعة المستنصرية / كلية العلوم – قسم الكيمياء سنة 1998
- 3- حصل على شهادة الدكتوراه في الكيمياء العضوية من الجامعة المستنصرية / كلية العلوم – قسم الكيمياء سنة 2007

اللقب العلمي : حصل على مرتبة الاستاذية سنة 2021 وحاليا يدرس طلبة المرحلة الثانية وطلبة الماجستير و الدكتوراه

الدراسات العليا : اكمل الاشراف على (3) طلاب ماجستير و (2) طلاب دكتوراه , والان يشرف على اثنان طلاب دراسات عليا (واحد ماجستير و واحد دكتوراه)

اللجان : شغل رئيس لجنة السلامة المهنية لمدة ثلاث سنوات من 2014-2017 , ويشغل حاليا لجنة الدراسات العليا ولجنة الانشطة الطلابية في قسم الكيمياء

وحاصل على شهادة مشاركة في الدورة التدريبية حول السلامة و الامن الكيميائي التي نظمتها مختبرات سانديا الامركية في جامعة بغداد سنة 2011 , و شارك في المؤتمر التنسيقي الوطني

الاول للامن الكيميائي و البايولوجي لجامعة بابل سنة 2016 , وله مشاركة الان في المؤتمر التنسيقي الوطني الثاني للامن الكيميائي و البايولوجي لجامعة بابل الذي سيعقد في شهر نيسان 2017

وقدم عدة محاضرات حول السلامة الكيميائية في قسم الكيمياء – كلية العلوم – الجامعة المستنصرية

عدد البحوث المنشورة و مواضيعها:

عدد البحوث 45 بحث (منها 18 بحث في مجلات رصينة), يبلغ عدد البحوث المنفردة : 10 , و البحوث المشتركة : 35

النشاطات العلمية :

1- حصولي على تفرغ علمي لمدة سنة واحدة من جامعة روستوك في المانيا للفترة من 2011-9-15 الى 2012-9-1

2- الحصول على براءة اختراع سنة 2019

1. Personal Information:

| | |
|------------------------|--|
| Name : | Hamid Hashim Mohammed |
| Date & Place of Birth: | January 20, 1974, Baghdad, Iraq |
| Nationality: | Iraqi |
| Marital Status: | Married / two Child |
| Languages spoken: | English is well spoken French (basic knowledge) Arabic (mother tongue) |
| Contact Address: | Department of chemistry, College of science, University of al-mustansirya, Baghdad - Iraq P.O. Box 46136, postal box of Mustansiriya university Palestine street, Baghdad-Iraq |
| Mobile: | +964-7718506906 |
| E-Mail: | hammed_sugar@yahoo.com |
| Academic Title: | Professor (2021) |

2. Certificates:

- Doctor of Philosophy (PhD) in Chemistry of Saccharide-Polymer (organic chemistry), Department of Chemistry, College of Science, Al-

Mustansiriya University, (Baghdad-Iraq in 2007), average 88% (Very Good).

- Master of Science (MSc) in Carbohydrate Chemistry (organic chemistry) from Department of Chemistry, College of Science, Al-Mustansiriya University, (Baghdad-Iraq in 1998), average 79% (Good).
- Bachelor of Science (BSc) in General Chemistry, Department of Chemistry, College of Science, Al-Mustansiriya University (Baghdad-Iraq in 1995), average 72% (Good).

3. Awards and Fellowships:

- Letters of thanks and appreciation from :
 - 1) The dean of the college of science in University of Al-Mustansiriyah (11).
 - 2) The dean of the college of science in University of Baghdad (3).
 - 3) The dean of the college of science in University of Al-Qadisya (5).
 - 4) The head of University of Al-Mustansiriyah (8).
 - 5) Minister of Higher Education and Scientific Research (5)
 - 6) The dean of the college of science in University of Al-anbar (2).
- Member of the “Iraqi Chemists Union”, since 1997.
- Scholarship as scientific visitor from ministry of higher education and scientific research in chemistry of catalysis and organic synthesis with prof. dr. peter langer from institution of chemistry, university of Rostock in Rostock – Germany (from 1-10-2011-to 1-9-2012) .

4. Positions and Work Experience

| Position | Subject | Address | Period |
|-----------------------------------|--|---|-------------------------|
| Lecturer and Supervising Lecturer | Organic Chemistry for Postgraduate | Chemistry Department, College of Science, Al-Mustansiriya University | Since 2013 |
| Supervising Lecturer | Organic Chemistry, General Chemistry | Chemistry Department, College of Science, Al-Mustansiriya University | Since 2007 |
| Private Lecturer | Undergraduate and graduate Students Organic Chemistry, General Chemistry | Chemistry Department, College of Science, Al-Mustansiriya University Pharmaceutical Chemistry Department, College of Pharmacy and Chemistry Department, college of education, Baghdad University | Since 2007 1999–2001 |
| Assistant Lecturer | Organic Chemistry , Analytical Chemistry | Chemistry Department, College of Science, Al-Mustansiriya University | 2000–2002 |
| Lab Instructor | Organic Chemistry | Chemistry Department, College of Science, Al-Mustansiriya University | 2003–2006 |

5. Skills and Hobbies:

- Experience in Microsoft Windows (1998, 2000. NT, XP...etc), Microsoft Office Professional (Word, Excel, FrontPage and PowerPoint), and chemistry software (ChemDraw, ISIS-Draw).
- Excellent English (reading, writing, and conversation), (reading, writing, and conversation), and Arabic (Mother tongue).
- Experience in analyzing 1D and 2D-NMR spectra.
- Excellent knowledge in systematic identification of natural products isolated from a natural source.
- Literature and Sports.
- Excellent knowledge in UV, FTIR, Instrumentations.
- Chemical Safety and Security Officer Training at Baghdad University, Iraq in 2011 by Sandia National Laboratories (USA).

6. References:

- **Prof dr. peter langer** (Professor of Organic Chemistry)

Address: Institut fur Chemie, Universitat Rostock, Albert Einstein Str. 3a,
18059 Rostock, Germany

E-mail: peter.langer@uni-rostock.de (P. Langer)

Mobile:

- **Abdul Hussain K. Sharba** (Professor of Organic Chemistry)
Address: Iraqi Cultural Attaché in Japan (2010)
4-16-15, Takanawa, Minato-ku,
Tokyo-Japan
E-mail: hussain_sharba@yahoo.com
Mobile:
- **Yousif Ali Al-Fattahi** (Professor of Bio-Organic Chemistry)
Address: USA
E-mail: yalialfatahi2003@yahoo.co.uk
Mobile:
- **Salah M. Aliwi** (Professor of Polymer Chemistry)
Address: Iraqi Cultural Attaché in Berlin (2012)
Alte Jakobstrasse 88
D-10179
Berlin-Germany
E-mail: smaliwi@yahoo.com
Mobile:
Tel:
Fax:

7. Current work

- Our research is focused on synthesis of new anti-HIV/AIDS .
- Conformational and mechanistic pathways of biological active molecules e.g. carbohydrates, nucleic acids and heterocycles.
-The heterocycles cover **pyrimidines, triazoles, quinolones, lumazines, pteridines, benzothiazoles, oxadiazoles, thiadiazoles** as antiviral and antitumor candidates.
- Synthesis new organic – complexes compounds have biological activity against bacterial and fungal.
- modification and synthesis copolymers , study the optical properties and photodegradation with biodegradable for polymers
- Conformational study of bioactive molecules by **2D NMR** techniques (e.g. **COSY, ROSEY, TOSCY, HMQC, HMBC, HSQC**).

8- Supervisor

- 1) Fatima Attallah Al-Battawi, (MSc) :2013-2015, Synthesis of some new heterocyclic derivative of chromene moiety.
- 2) Ahmed Sabah Abd Al-Mahdi, (MSc) :2015-2017, Synthesis and biological evaluation for some pyrimidine derivatives derived from substituted pyridine and chromene.
- 3) Hadeel Adel Abd Al-Gane, (PhD), co-supervisor, 2015-2018, Synthesis, characterization and biological activity of new quinazolinone derivatives.
- 4) Mohammed Hashim Abdul – Nebi Al-Thahbi, (PhD), co-supervisor, 2016-2019, New fused heterocyclic derivatives: synthesis, characterization and biological evaluation.
- 5) Ali Hazim Hassan, (MSc) :2018-2020, Synthesis and biological evaluation of some Pyrimidine derivatives
- 6) Fadhel Rukhis Hafedh, (PhD), co-supervisor, 2018 - on going, Synthesis nitrogenic fused heterocyclic compounds and study their biological activity

9- Patients

1. أ.م.د. حامد هاشم محمد , أ.م.د. زينب نايف مجيد , تحضير مركبات الكرومين الملتحمة الجديدة (كمركبات دوائية) مشتقة من 2-امينو-4-(1-نفثاليل)-5-او كسو-4 , H 5 – بايرانو [3 , 2 – c] كرومين – 3 – كاربونايتريل ودراسة فعاليتها ضد فايروس نقص المناعة البشرية الايدز HIV, 2019

Hamid H. Mohammed, Zainab N. Mageed, Synthesis New Fused Chromene Compounds (as drug compounds) Derived from 2-Amino-4-(1-naphthyl)-5-oxo-4H,5H-pyrano[3,2-c]chromene-3-carbonitrile and Study their Activities against HIV virus, 2019

10 - Publications List:

2021

45- Fadhel R. Hafedh, **Hamid H. Mohammed** and Zainab N. Mageed, Synthesis of fused dihydrobenzo [4,5]imidazo[1,2-a]pyrimido[5,4-e]pyrimidin-3(4H)-amine derivatives, Al-Qadisiyah Journal of Pure Science Vol.(26) Issue (Special issue num.4) (2021) pp. 34–43. (**PhD Thesis**)

2020

44- Zainab N. Mageed, Safana A. farhan, Rasha M. Dadoosh and **Hamid H. Mohammed**, Using spent tea residue to elimination of chromium in aqueous liquid, Journal of Physics: Conference Series, 2020, 1664(1), 012082

43- Shrooq S. Kadhium , Emad M. Hussien , Zainab N. Mageed, Asia H. Abed, and **Hamid H. Mohammed**, Study the Photo-degradation of poly styrene –co-butadiene in presence of Ni complex and TiO₂, The First International Conference of Pure and Engineering Sciences (ICPES2020) , IOP Conf. Series: Materials Science and Engineering **871** (2020) 012026, 1-12.

42- Zainab Naeif Majeed , **Hamid Hashim Mohammed**, Rasha Moniem Dadoosh , Riyadh Mohammed Noaman and Zuhair Khudhair Abbas, Study the Drug Release for Gabapentin Drug Loaded on Natural Polymer, AIP Conference Proceedings 2213, 020054 (1-9), 2020

41- Ali H. Hassan and **Hamid H. mohammed**, Synthesis and biological evaluation of Schiff bases and pyrazole derivatives derive from chalcones, (2E)-1-(4-aminophenyl) -3-(2-furyl)prop-2-en-1-one, International Journal of Pharmaceutical Research, Volume 12, Issue 1, Jan - Mar, 2020, (**MSc Thesis**)

40- Hamid H. Mohammed , Zaizafoone N.Nasif, and Zainab N. Mageed, Synthesis and studies the microbiology activity for some thiophene derivatives, International Journal of Pharmaceutical Research, Volume 12(1), 709-715, 2020

2019

39- Mohammed Hashim Abed Al Nabi, Ahmed Mutanbi Abdellah, and **Hamid H. Mohammed**, Synthesis, Antibacterial Evaluation and Docking Study of Some New Fused Pyrido-Pyrimidine and Naphthyridine Cycles, journal of global pharma technology, 2019, Vol. 11, Issue 05 , 215-223. **(PhD Thesis)**

38- Mohammed Hashim Abed Al Nabi, **Hamid H. Mohammed**, Ahmed Mutanbi Abdellah, Zainab N. Mageed and Ghazwan Ali Salman, Synthesis and Biological Evaluation of Fused Pyrrolo – Pyrano – Pyrimidine and Pyrrolo – Pyrano – Pyridine Derivatives, Journal of Pharmaceutical Sciences and Research (JPSR), vol. 11 (4), 1589-1594 , 2019. **(PhD Thesis)**

37- Zainab N. Mageed , **Hamid H. Mohammed** and Thana M. Zayer, Abdulkadir M. Noori, Safanah A. farhan and Rasha M.Dadoosh, Study the photodegradation and biodegradation of p-cresol novolac (poly epoxy) in presence and absence of dibenzoylperoxide, IOP Conf. Series: Materials Science and Engineering **571** (2019) 012088, 1-10

36- Zainab N. Mageed , Shrooq S. Kadhium, Wafaa F. Rodhan and **Hamid H. Mohammed**, Study of the photostabilization of polystyrene in the presence and absence of benzoxazin derivatives, Iraqi polymer journal, 2019, (under press).

35- Hadel A. Abdalgane, **Hamid H. Mohammed** , Firyal Weli Askar, and Asmaa A. Maryoosh, Synthesis and biological evaluation studies of Some quinazolinone derivatives as antimicrobial and antioxidant agents, Journal of Pharmaceutical Sciences and Research, Vol. 11(1), 54-57, 2019. **(PhD Thesis)**

2018

34- Firyal W. Askar, **Hamid H. Mohammed** and Hadel A. Abdulgane , Synthesis of quinazolinone derivatives for their antimicrobial activity, Al-Nahrain Journal of Science, conferences , 17-25, 2018. (**PhD Thesis**)

33- Hadel A. Abdulgane, Barakat A. F. Kamel , Firyal W. Askar and **Hamid H. Mohammed**, synthesis and theoretical study of new quinazolinone derivatives containing various heterocyclic moieties, international research journal of pharmacy, 9 (5), 75-80, 2018. (**PhD Thesis**)

32- **Hamid H. Mohammed**, Zaizafoone N. Nasif, Zainab N. Mageed and Ahmed S., "Synthesis and biological activities of new fused pyrimidine compound", Asian journal of chemistry, vol. 30, No. 3, 661-666, (2018). (**MSc Thesis**)

2017

31- Ghazwan Ali Salman , **Hamid H Mohammed** , Ahmed Mutanabbi Abdula , Zainab N. Mageed, Comparative Study on Conventional and Ultrasound Irradiation Promoted Synthesis of 2, 3- Disubstituted quinoxaline Derivatives, Al-Mustansiriya Journal of Science, Volume 28, Issue 3, 141-150, 2017

2016

30- **Hamid H. Mohammed** , " Synthesis of fused cyclic chromene and alicyclic chromene derivatives from 2-amino-4-[4-(dimethylamino)phenyl]-5-oxo-4H,5H-pyrano[3,2-c]chromene-3-carbonitrile", *Al-Mustansiriyah Journal of Science*, Vol.27, No.5, 36-44 , (2016) . (**MSc Thesis**)

2015

29- **Hamid H. Mohammed** , Redha I.H. Al-bayatia and Fatima Attallah, "Synthesis new fused and non-fused chromene [I] derivatives derived from 2-amino-4-[4-(dimethylamino)phenyl]-5-oxo-4H,5H-pyrano[3,2-c]chromene-3-carbonitrile", *Journal of Chemistry and Materials Research*, Vol.7, No.4, 134-143, (2015), (**MSc Thesis**)

2014

28- Zainab Naeif Majeed , **Hamid Hashim Mohammed**, and Safana Ahmed Farhan,

" Study the photodegradation of hydroxypropyl cellulose in presence and absence of benzophenone and eosine dye", *Journal of Chemistry and Materials Research*, Vol 6, No 4, 18-25, (2014).

2013

27- Hamid H. Mohammed, Zainab N.Mageed, and Mahmood Najim, " Synthesis and biological activity study of 1-[4,5,6,7-tetrahydro-1,3-benzothiazol-(2-ylidiazenyl)]-2-naphthol complexes", *Journal of Chemical and Pharmaceutical Research*, 2013, 5(11):711-720.

26- Aws Hamdy, Nadi Eleya, **Hamid H. Mohammed**, Zien Khaddour, Tamás Patonay, Alexander Villiger, and Peter Langer, "Site-Selective Suzuki-Miyaura Cross-Coupling Reactions of 4-methyl-6 ,7-bis (trifluoromethylsulfonyloxy) coumarine". *Tetrahedron Lett.*, 54 (2013) 3568–3571.

25- Omer A. Akrawi, **Hamid H. Mohammed**, and Peter Langer, " Synthesis and Suzuki–Miyaura Reactions of 3,6,8-Tribromoquinoline:A Structural Revision" , *Synlett*, 2013; 24(9): 1121-1124

24- Omer A. Akrawi, Afsar Khan, Munawar Hussain, **Hamid H. Mohammed.**, Alexander Villiger, and Peter Langer, "Synthesis of 2,3-diarylfluorenones by domino 'twofold Heck / electrocyclization / Dehydrogenation' reactions of 2,3-dibromoindenone", *Tetrahedron Lett.*, 54 (2013) 3037–3039.

23- Aws M. Hamdy, Nadi Eleya , **Hamid H. Mohammed**, Tamas Patonay , Anke Spannenberg , and Peter Langer, "Site-selective Suzuki-Miyaura reactions of 2,6-dichlorobenzoxazole", *Tetrahedron*, 69 (2013) 2081-2086.

22- Najim A. Al-Masoudi, **Hamid H. Mohammed**, Aws M. Hamdy, Omer A. Akrawi, Nadi Eleya, Anke Spannenberg, Christophe Pannecouque, and Peter Langer, "Synthesis and anti-HIV Activity of New Fused Chromene Derivatives Derived from 2-Amino-4-(1-naphthyl)-5-oxo-4*H*,5*H*-pyrano[3,2-*c*]chromene-3-carbonitrile", *Z.Naturforsch*, 2013, 68b, 229 – 238

21- Zainab Naeif Majeed, Thana M. Zayer, Waeel M. Hamud and **Hamid H. Mohammed**, " Study and comparison the photodegradation and biodegradation of poly vinylchloride in absence and presence alizarin dye and 2- (benzylidine) benzothiazole hydrazone - pd complex", *Al-Mustansiriyah Journal of Science*, Vol. 24, No. 1, 93-104, (2013).

2012

20- Omer A. Akrawi, **Hamid H. Mohammed**, Tamas Patonay , Alexander Villinger , Peter Langer, "Synthesis of arylated xanthenes by site-selective SuzukiMiyaura reactions of the bis(triflate) of 1,3-dihydroxyxanthone" *Tetrahedron*, 68 (2012) 6298-6304 .

19- Hamid H. Mohammed , Zainab N.Majeed and Zuhair K.Abbas, " Investigation of optical properties of irradiated and unirradiated poly (vinyl chloride-co-vinyl acetate)", *Journal of Karblaa University*, Vol. 10, No. 1, 134-141, (2012).

18- Tariq S. Najem, Zainab Naeif Majeed , Thana M. Zayer and **Hamid H. Mohammed**, " Photostabilizaation and biodegradation of poly (vinyl alcohol) using water extract of pomegranate peel", *Iraqi polymer society*, Vol. 16, No. 3, 42-50, 2012 .

2011

17- Hamid H. Mohammed, Zainab Naeif Majeed, and Istabraq M. Ali, " Synthesis and Studies The Biological Activity of New Azo Compounds", *Journal of Karblaa University*, Vol. 9, No.3, (2011).

2010

16- Hamid H. Mohammed, "Studying the effect of benzophenone on thermal degradation of cellulose diacetate", *Al-Nahrain Journal of Science* , Vol. (13), No. (2), 1-7, (2010).

15- Hamid H. Mohammed, Zainab Naeif Majeed and Abeer Abd Al-razaq, "Photodegradation of methyl cellulose and cellulose triacetate in the presence of complexes of Cr (III) and Cu(II) with 2[(5-amino – 1,3,4 – oxadiazole-2-yl) oxy] ethanol", *Journal of college of Education*, Vol. 2, No. 1, 527-548, (2010) .

14- Hamid H. Mohammed and Zainab Naeif Majeed, "Photodegradation of poly (vinyl chloride-co-vinyl acetate) by some of aromatic carbonyl compounds", *Journal of college of Education*, No. 6 ,244-261 , 2010.

13- Yousif Ali Al-Fattahi, Salah M. Aliwi, and **Hamid H. Mohammed**, "Photo degradation of poly styrene and poly (exo-galactosene-co-styrene)", *Al-Mustansiriyah Journal of Science*, Vol.(21), No.(5), 251-264, 2010.

12- Yousif Ali Al-Fattahi, Salah M. Aliwi, and **Hamid H. Mohammed**, "Photodegradation and biodegradation of poly (exo-galactosene-co-styrene) and poly (exo-galactosene-co-acrylonitrile), *Al-Mustansiriyah Journal of Science*, Vol.(21), No.(5), 278-290, 2010.

11- Yousif Ali Al-Fattahi, Salah M. Aliwi, and **Hamid H. Mohammed**, "Copolymerization of 1,2:3,4-di-o-isopropylidene-5,6-exo- α -D-galactosene Monomer", *Al-Mustansiriyah Journal of Science* Vol.(21),No.(6),160-169,2010.

10- Yousif Ali Al-Fattahi, **Hamid H. Mohammed** and Rasmia M. Rumez, "Synthesis 4-phenyl -1-alkyl-1,2,4-triazoline-5-one derived from D- fructose" *Journal of Al-Qadisyah / Pure science* , Vol. 15, No. (3), 2010.

9- Hamid H. Mohammed, Zainab Naeif Majeed, Ahmed A.Ahmed, Quraish A.Kadhum and Zuhair K.Abbas, " Preparation and study the photodegradation of poly (styrene – co – acrylonitrile) and poly (butyl vinyl ether – co – acrylonitrile) in absence and presence benzophenone and naphthaquinone", *Conference of the college of science in Missan university*,10-11 Nov., 210-223, (2010) .

2009

8- Hamid H. Mohammed, Firyal W. Askar, Khitam J. Nabhan, "Preparation and antimicrobial studies of metal complexes for schiff bases 2- (benzylidene) benzothiazole hydrazone", *Journal of the college of basic Education*, Vol. 15, No. 59, 133-144, (2009).

7- Yousif Ali Al-Fattahi ,Salah M. Aliwi , and **Hamid H. Mohammed**, "Photodegradation of poly (exo-galactosene-co-styrene) in solution and solid state, *Journal of college of Education*, Vol. (6), 232-246, (2009).

6- Hamid H. Mohammed, "Studying the photodegradation of ethylcellulose and methylcellulose in the presence and absence of benzophenone (BPh)", *Journal of the college of basic Education*, Vol. 57, p. 13-24, (2009) .

5- Yousif Ali Al-Fattahi ,Salah M. Aliwi , and **Hamid H. Mohammed**, "Preparation and study the thermal initiation of poly vinyl isopropelidene D-galactose" , *Journal of college of Education*, Vol. 1, p. 45-57, (2009) .

2005

4- Hamid H. Mohammed, "Study effect some Schiff bases derived from benzothiazole on activity of acetylcholine enzyme in human serum", *Al-Mustansiriyah Journal of Science* Vol. (16), No. (1), 92-105, (2005).

2004

- 3- Suad J.Lafta and **Hamid H. Mohammed**, "Synthesis of s-triazolo – (3,4-b)-benzothiazole derivatives" , *National Journal of Chemistry*, Vol. (15), 367-371, (2004)

2000

- 2- Yousif Ali Al-Fattahi, Abdul Hussain K. Sharba and **Hamid H. Mohammed**, "Carbohydrate acetylenic amines part II : synthesis of 1- (4 – disubstituted amino butyn – 2 – yl) amino-1-deoxy – 2,3:4,6- di-*o*-isopropylidene- β -D-fructopyranose derivatives", *Iraqi Journal of Chemistry*, Vol. (26), No. (1), 202-209, (2000).

1999

- 1- Yousif Ali Al-Fattahi, Abdul Hussain K. Sharba and **Hamid H. Mohammed**, "Carbohydrate acetylenic amines part I : synthesis of 1- (4 – disubstituted amino butyn – 2 – yl)1- oxy – 2,3:4,6- di-*o*-isopropylidene- β -D-fructopyranose derivatives", *Iraqi Journal of Chemistry*, Vol. (25), No. (2), 90-94, (1999).