



الجمهورية العراقية
وزارة التعليم العالي والبحث العلمي
جامعة الكرخ للعلوم

السيرة الذاتية



الاسم :د. سعد حسين خضير

تاريخ الميلاد : ١٩٦٥\٧\٣٠

التخصص: تقنيات احيائية\ انزيمات ميكروبية

الوظيفة : استاذ جامعي

الدرجة العلمية : مدرس

عنوان العمل : جامعة الكرخ للعلوم/ كلية العلوم/ قسم الفيزياء الطبية

رقم الهاتف: +9647714677773

البريد الالكتروني: saad22004@yahoo.com

saad2019@kus.edu.iq

١- المؤهلات العلمية

التاريخ	الكلية	الجامعة	الدرجة العلمية
2004	العلوم	بغداد	الدكتوراه
1997	العلوم	بغداد	الماجستير
1989	العلوم	بغداد	البكالوريوس

٢- التدرج الوظيفي

الفترة من - الى	الجهة	الوظيفة	ت
١٩٩٧-١٩٩٣	منظمة الطاقة الذرية العراقية	مساعد باحث علمي	١
٢٠٠٣-١٩٩٨	منظمة الطاقة الذرية العراقية	باحث علمي	٢
٢٠٠٤-٢٠٠٣	وزارة العلوم والتكنولوجيا	باحث علمي اقدم	٣
٢٠١٣-٢٠٠٥	وزارة العلوم والتكنولوجيا	رئيس باحثين	٤
٢٠١٩-١٠١٣	وزارة التعليم العالي جامعة الكرخ للعلوم	مدرس	٥
-٢٠١٩\١١\٣١ ولغاية الان			

٣- التدريس الجامعي

الفترة من - الى	الجامعة	الجهة (الكلية- المعهد)	ت
-٢٠١٩\١١\٣١ ولغاية الان	الكرخ	العلوم	١
٢٠١٢-٢٠١١	بغداد	علوم البنات	٢
٢٠١٤-٢٠١٣	المتنى	الزراعة	٣
٢٠١٥-٢٠١٤	المتنى	الزراعة	٤
٢٠١٦-٢٠١٥	المتنى	الزراعة	٥

٤- المقررات الدراسية التي قمت بتدريسها

السنة	المادة	القسم	ت
-٢٠١٩\١١ ولغاية الان	كيمياء حيائية (بكلوريوس)	الفيزياء الطبية	١
٢٠١٢-٢٠١١	تقنيات التلوث (دراسات عليا)	علوم الحياة	٢
٢٠١٤-٢٠١٣	انزيمات (دراسات عليا)	التربة والمياه	٣
٢٠١٥-٢٠١٤	انزيمات (دراسات عليا)	التربة والمياه	٤
٢٠١٦-٢٠١٥	كيمياء حيائية (دراسات عليا)		٥

٥- (الاطروحة و الرسائل) التي اشرفت عليها

السنة	القسم	اسم الاطروحة او الرسالة	ت
٢٠١١	Genetic engineering	Immunogenetic and molecular analysis of the thyroid disorder related to radioactive contaminants.	١
٢٠١٢	Biology	Biodegradation of Polycyclic Aromatic Hydrocarbon by Local Fungal Isolates Isolated from soil contaminated with waste oil.	٢
٢٠١٢	Biology	Treatment of polluted water with hydrocarbons by using some species of bacteria.	٣
٢٠١٣	Biology	Biodegradation of low density polyethylene by local bacterial isolates from soil and plastic waste.	٤
٢٠١٥	Biotechnology	Production and characterization of poly-B-hydroxybutyrate from waste oils by local bacterial isolates.	٥
٢٠١٥	Biology	Biodegradation of Polycyclic Aromatic compounds by Local bacterial Isolates producing biosurfactants.	٦
٢٠١٦	Biology	The investigation of some of the byproducts of chlorine disinfection in the drinking water stations in Wasit, southern Iraq	٧
٢٠١٧	Biology	Extraction and purification of lipase enzymes from plant seeds and study their characteristic.	٨

6- المؤتمرات والندوات العلمية التي شارك فيها

نوع المشاركة	مكان انعقادها	السنة	العنوان	ت
			<u>مشارك باكثر من ٣٠ ندوة ومؤتمر محلي ودولي</u>	

٧- الأنشطة العلمية الأخرى

خارج الكلية	داخل الكلية
<p>البرامج التدريبية الداخلية والخارجية: Participation in many national activities and below the international activities:</p> <ol style="list-style-type: none"> 1- Laboratoriumsmedizin Dortmund, Germany.(for two week) 2- National research center, Egypt.(for tow week) 3- Egyptian atomic energy authority, Egypt.(for two week) 4- Collage of Science\ University of Malaya, Malaysia. .(for two month) 5- Collage of Science\ University of Nis, Serbia. .(for two week) 6- Shriram institute for industrial research, India. .(for two month) 7- Lawrence Berkeley national laboratory, California, USA. .(for three month) 8- Engineering Research Center, Florida International University, USA. .(for three month) 	<ol style="list-style-type: none"> ١- <u>حضور المؤتمرات والندوات والقاء المحاضرات ضمن فعاليات القسم والكلية والجامعة</u> ٢- <u>المشاركة في مناقشة طلبة دكتوراه بصفة عضو مناقشة في جامعة بغداد</u> ٣- <u>المشاركة في ندوة الجهاز المركزي للتقييس والسيطرة النوعية</u> ٤- <u>المشاركة في مؤتو العلوم والتكنولوجيا</u> ٥- <u>المشارك في ندوة دائرة البيئة والمياه في وزارة العلوم والتكنولوجيا</u> ٦- <u>المشاركة في لجنة تحقق وزارية</u> ٧- <u>المشاركة في لجنة استلال ورقي لاحدى الترقيات العلمية</u>
<p>براءات الاختراع</p> <ol style="list-style-type: none"> 1- Manufacture of bottles of drinking water environmentally friendly and are biodegradable from starch. Iraqi Patent No. B65D23/00, Issued in Dec.18th 2013. 2- Produce a biological local kit to degrade the oil pollutants Iraqi Patent No. C01F/341, Issued in May 21th 2017. 3- Production of Poly-3-hydroxybutyrate by <i>Pseudomonas aeruginosa</i>Dw7 using oil wastes. 	
<p>تقويم العشرات من البحوث العلمية ورسائل الماجستير والدكتوراه</p>	

٨- عضوية الهيئات العلمية المحلية والدولية

اسم الهيئة العلمية	ت
Member of the Iraqi association of microorganisms.	١
Iraqi association for genetic and environmental resources conservation.	٢
Member of the American Society for Industrial microorganisms and biotechnology.	٣
Member of the American Society of microorganisms.	٤
Member of the American Society of security and biosafety.	٥
Member of Iraqi Microbiology	٦
عضو لجنة منح الالقاب العلمية لوزارة العلوم والتكنولوجيا	٧
عضو المكتب الاستشاري لوزارة العلوم والتكنولوجيا	٨
عضو لجنة المحددات البيئية	٩
عضو لجنة التنوع الاحيائي	١٠
عضو اللجنة الاستشارية الفنية للحدود المكروبية في التقييس والسيطرة النوعية	١١
عضو لجنة التشوهات الخلقية بالعراق	١٢
عضو هيئة البحث العلمي لوزارة التعليم العالي والبحث العلمي	١٣
عضو في عدد كبير من اللجان داخل وزارة العلوم والتكنولوجيا	١٤

٩- اللغات

اللغة العربية و الانكليزية

١٠- البحوث المنشورة

السنة والعدد	اسم المجلة	اسم البحث	ت
Vol. 11, No. 2 (1999)	Iraqi Journal of Microbiology	Cellulolytic activity of <i>Thermomonosporafusca</i> : I. Selection, characterization and determination of optimal growth conditions for maximal production of cellulose enzyme complex.	١
Vol. 11, No. 2 (1999)	Iraqi Journal of Microbiology	Cellulolytic activity of <i>T. fusca</i> : II. Determination of optimal conditions for extracellular endoglucanase, exoglucanase and β -glucosidase activity in the selected isolate TA19.	٢
Vol. 4, No. 2 (2000)	Journal of Al-Nehrin University	The deliberate addition of thermophilic actinomycetes, and their influence in compost production.	٣
Baghdad- Iraq 15-17 th ., May, P: 564-571 . (2000)	Proceeding of the 1 st . National Symposium on Scientific and technical Support for Archaeological Studies	Sulphur oxidizing bacteria and their probable role in corrosion and alteration of archaeological sites environment.	٤
Syria- Damascus, 28-30 October, P: 308-317 . (2000)	Proceeding of the 3 rd . International Symposium of 22 Arab engineering conference on Arab Energy and Sustainable Development.	Production of bio-gas from agricultural and industrial waste..	٥
Vol. 13, No. 1 (2001)	Iraqi Journal of Microbiology	Cellulolytic activity of <i>T. fusca</i> : III Determination of optimal conditions for intracellular endoglucanase, exoglucanase and β -glucosidase activity in the selected isolate TA19.	٦
Vol. 5, No. 1 (2001)	Journal of Al-Nehrin University	A designed laboratory system for biological treatment of water contaminated with hydrocarbon waste.	٧
Vol. 5, No. 1 (2001)	Journal of Al-Nehrin University	Fermentative production of ethanol using two- stage continuous technique with vacuum.	٨
Vol. 8, No. 1 (2005)	Journal of Al-Nehrin University	Production of alkaline protease from alkalophilic thermophilic bacteria and its application in biological detergents	٩
Vol. 8, No. 1 (2009)	Iraqi Journal of Biotechnology	Emulsification and detection of hydrocarbon utilization by <i>Pseudomonas aeruginosa</i> using gas chromatography.	١٠

Vol. 8, No. 1 (2009)	Iraqi Journal of Biotechnology.	Use of Agricultural Cellulosic Residues for the Production of Extracellular Glucose isomerase Enzyme by Alkalophilic Bacteria.	١١
Vol. 8, No. 1 (2009)	Iraqi Journal of Biotechnology	Isolation and screening local Isolates of <i>Saccharomyces cerevisiae</i> producing trehalose and studying the effect of heat shock on suger production.	١٢
Vol. 8, No. 1 (2009)	Iraqi Journal of Biotechnology	Optimization of growth conditions and trehalose production of local isolates of <i>Saccharomyces cerevisiae</i> .	١٣
Vol. 8, No. 1 (2009)	Iraqi Journal of Biotechnology	Determination of the Optimal Conditions for immobilizing Glucose Isomerase enzyme by DEAE-Sephadex-A50 ion exchanger.	١٤
Vol. 1, No. 1 (2009)	Al-Kufa University Journal	Use of Gamma Ray to Develop the Efficiency of <i>Actinoplanes sp.</i> ST _{٧٧} local Isolate Producer of Glucose isomerase Enzyme.	١٥
Vol. 1, No. 1 (2009)	Al-Kufa University Journal	A Designed Lab-scale Semi Continuous System for Biogas Production using Agricultural and Industrial wastes.	١٦
Vol. 1, No. 1 (2009)	Al-Kufa University Journal	Contamination of emulsifiable cutting oils with microorganism.	١٧
Vol. 1, No. 1 (2009)	Al-Kufa University Journal	Production of alkaline protease by thermoalkalophilic <i>Bacillus sp.</i> cells immobilized in Ca-alginate beads.	١٨
Vol. 9, No. 3 (2010)	Iraqi Journal of Biotechnology	Extraction and purification of extracellular glucose isomerase enzyme from alkalophilic <i>Bacillus sp.</i> BC ₄ local isolate.	١٩
Iraqi MOST (2012)	The first scientific national conference for women researches.	Serological evidence of thyroid disorders in clean-up workers at Al-Tuwaittha site\Baghdad.	٢٠
Vol. 10 (2013)	Journal of Environmental Study	.(2013) Preparing of bacterial probiotic from <i>Lactobacillus sp.</i> .	٢١
Vol. 1, No. 2 (2013)	Journal of Genetic and Environmental Resources Conservation	Bioremediation of the water contaminated by waste of hydrocarbon by use Ceratophyllaceae and Potamogetonaceae plants.	٢٢
Vol. 10, No. 3 (2013)	J. US-China Medical Science	.(2013) Thyroid examination in low-radiation exposed Iraqi clean-up workers- immunogenetic study.	٢٣
Vol. 11, No. 1 (2013)	Journal of Environmental Study	Production of bio-emulsifier using hydrocarbon degrading local bacterial isolates.	٢٤
Vol. 8, No. 4 (2013)	International Journal of Science and Technology	Biological treatment of organ chlorinated pesticide using local bacterial isolates.	٢٥

(2013)	The second scientific conference for genetic and environment.	Biological treatment of crude oil contaminated with heavy metals.	٢٦
by petroleum activities southern Iraq (2013)	First international scientific symposium for strategic studies of environmental impact caused	Designed pilot system for treatment of contaminated soil with hydrocarbon derivatives.	٢٧
Vol. 12, No. 2 (2013)	Journal of Biotechnology	Antioxidant activity of Cinnamic acid activity against trichlorfon in mice. Iraqi	٢٨
Iraqi MOST (2013)	The second scientific national conference for women researches	Immunogenetic study of thyroid disorder in sample of Iraqi patient.	٢٩
Vol. 8, No. 3 (2014)	Iraqi Journal of Biotechnology	Cinnamic acid activity against trichlorfon pesticide toxicity and liver function enzymes in mice.	٣٠
Vol. 56, No. 1 (2014)	Iraqi Journal of Science	. (2014) Biodegradation of naphthalene by local fungal isolates.	٣١
Vol. 55, No. 4 (2014)	Iraqi Journal of Science	The optimum conditions for naphthalene biodegradation by filamentous fungi.	٣٢
Vol. 8, No.1 (2014)	Journal of biotechnology Research center	Influence of hot alcohol extraction of celery fruits on renal stones dissolution in vitro.	٣٣
Vol. 6, (2014)	Engineering and. Technology Journal	Production of biological de-emulsification by bacterial isolates isolated from local soil.	٣٤
Vol. 56, No. 2B (2015)	Iraqi Journal of Science	Effect of bio-chemical fertilizer on proline accumulation, catalase and peroxidase activity in leaves of two wheat cultivars under water deficit stress.	٣٥
Vol. 20, No. 3 (2015)	AL-Qadisiyah Journal of pure Science	Effect of time, temperature and pH on crude oil biodegradation by some bacterial isolates from Al-Dora refinery-Baghdad.	٣٦
Vol. 1, No. 4 (2015)	Mesopotamia Environmental Journal	Isolation, screening and identification of low density polyethylene degrading bacteria from contaminated soil and plastic wastes.	٣٧
Vol. 8, No. 3 (2015)	Journal of Wassit for Science & Medicine	Biological treatment of organic waste polluting the environment and bio-hydrogen production.	٣٨
Vol. 56, No. 2B (2015)	Journal of Science	Detection of genetic modified feed component. Iraqi.	٣٩

Vol. 10, No. 4 (2015)	Journal of International Environment Application and science	Optimum conditions for low density polyethylene strips biodegradation by local bacterial isolates.	٤٠
Vol. 8, No. 3 (2016)	Journal of Wassit for Science & Medicine	Use of immobilized bacteria to produce material that have ability to repair cracked concrete affected by environmental factors.	٤١
Vol. 8, No. 4 (2016)	Journal of Wassit for Science & Medicine	Isolation and optimization of thermophilic lipase producing bacteria from soil contaminated with used engine oil.	٤٢
Vol. 20, No. 2 (2017)	Journal of Al-Nahrain University.	Isolation and screening of thermophilic bacteria producing cellulase enzyme using agricultural wastes residues as substrate.	٤٣
Vol. 6, No. 4 (2017)	Journal of bio-science & biotechnology	Production of medium-chain-length Poly- β -hydroxybutyrate by <i>Pseudomonas aeruginosa</i> . global.	٤٤
Vol. 6, No. 8 (2017)	World Journal of Pharmaceutical Research	Bioplastic (Poly-3-hydroxybutyrate) production by local <i>Pseudomonas aeruginosa</i> isolates utilizing waste cooking oil.	٤٥
Vol. 12, No. 6 (2017)	Journal of Pharmacy and Biological Sciences	Characterization of biosurfactant produced by <i>Pseudomonas putida</i> PS6 isolated from contaminated soil.	٤٦
Vol. 11, No. 13 (2017)	Australian Journal of Basic and Applied Sciences	(2017) Isolation and screening of thermophilic bacteria producing amylase enzyme using agricultural waste as substrate.	٤٧
Vol. 6, No. 3 (2017)	International Journal of Science and Research	Optimal conditions for Naphthalene biodegradation by local bacterial isolates.	٤٨
Vol. 23, No. 3 (2018)	AL-Qadisiyah Journal of pure Science	Isolation, screening and characterization of crude oil degrading bacteria from Al-Dora refinery wastewater treatment plant.	٤٩
Vol. 12, No. 1 (2018)	Journal of biotechnology research center	Biological treatment of used engine oil by single and mixed bacterial cultures isolated from soil of mechanic workshops.	٥٠
Vol. 10, No. 2 (2018)	Journal of pharmaceutical Science and Research	Seasonal variation and modeling of disinfection by-products (DBPs) in drinking water distribution systems of Wassit Province Southeast Iraq.	٥١
Vol. 15, No. 3 (2018)	Baghdad science journal	Evaluation of human health risks associated with exposure to disinfection by-products (DBPs) in drinking water of Wassit Province Southeast Iraq.	٥٢

Vol. 6, No. 1 (2018)	Current Research in Microbiology and Biotechnology	Knowing of accumulation capacity of [<i>Ceratophyllum demersum</i> L. and <i>Hydrilla verticillata</i> plant] when one plant is used to remove the copper element in a laboratory-contaminated water-polluting ecosystem.	०३
Vol. 10, No. 1 (2019)	Research Journal of Biotechnology	Biodegradability of microbial synthesized Poly- β -hydroxy-butyrate produced from <i>Pseudomonas aeruginosa</i> Dw7 local isolate.	०४