

## CURRICULUM VITAE السيرة الذاتية

المعلومات العامة :



	وسن صبيح حمدان القرناوي	الاسم الثلاثي واللقب
Full Name	Wasan Sabeeh Hamdan AL Qurnawi	
Title	Lecturer مدرس	اللقب العلمي
University	BASRAH البصرة	الجامعة
College	SCIENCE العلوم	الكلية
Department	GEOLOGY علم الارض	القسم
Official E-mail	<a href="mailto:Wasan.hamdan@uobasrah.edu.iq">Wasan.hamdan@uobasrah.edu.iq</a>	البريد الإلكتروني الرسمي

### Qualification and certification

### المؤهلات والسيرة العلمية

General specialization	GEOLOGY	جيولوجي	الاختصاص العام				
Specific specialization	Water resources- hydrogeology	موارد مائية - هيدروجيولوجي	الاختصاص الدقيق				
Certificate	Date	University	Country	البلد	الجامعة	تاريخها	الشهادة
B.Sc.	1997	BASRAH	IRAQ	العراق	البصرة	1997	بكلوريوس
M.Sc.	2001	BASRAH	IRAQ	العراق	البصرة	2001	ماجستير
Ph.D.	2014	BASRAH	IRAQ	العراق	البصرة	2014	دكتوراه

<https://scholar.google.com/citations?user=4xVqyjoAAAAJ&hl=ar&oi=ao>

مرايط : Google Scholar

[https://www.researchgate.net/profile/Wasan\\_Al-Qurnawi](https://www.researchgate.net/profile/Wasan_Al-Qurnawi)

مرايط : Research Gate

<https://www.scopus.com/authid/detail.uri?authorId=57076746700>

مرايط : Scopus

<https://www.webofscience.com/wos/author/record/237138>

مرايط : WOS

<https://publons.com/researcher/2924984/wasan-alqurnawi/>

مرايط : Publons

<https://orcid.org/0000-0002-4883-4691>

مرايط : ORC ID

## Teaching

## نشاط التدريس

Undergraduate Studies دراسات اولية			
Course code.	Course name	اسم المقرر	رمز المقرر
G100	GENERAL GEOLOGY	الجيولوجيا العامة- قسم علم الحياة	ج100
G107	GENERAL GEOLOGY	الجيولوجيا العامة- قسم الحاسبات	ج107
G205	HYDROLOGY	موارد مائية	ج205
G230	STATISTICAL GEOLOGY	احصاء جيولوجي	ج230
G275	GENERAL GEOLOGY	الجيولوجيا العامة- قسم الكيمياء	ج275
E216	ENVIRONMENTAL GEOLOGY	الجيولوجيا البيئية (قسم البيئة)	ي216
G306	HYDROGEOLOGY	علم المياه الجوفية	ج306
G428	ENVIRONMENTAL GEOLOGY	جيولوجيا البيئة	ج428
G412	APPLIED HYDROGEOLOGY	هيدروجيولوجي تطبيقية	ج214
Postgraduate Studies دراسات عليا			
Course name		الموضوع	
Surface water pollution model to MS.c students			
Advanced hydrogeology to MS.c students			
Advanced water resources to MS.c students			

## Articles / Patents

## البحوث المنشورة

No.	Article & Patents details
-----	---------------------------

<b>1</b>	M.Sc. Thesis: . Numerical modeling of ground water flow and transport of the disposed oil refinery wastes in Dammam aquifer southern Iraq,2001 thesis geology department, Collage of Science, Basrah university.
<b>2</b>	Groundwater Vulnerability Assessment and Wellhead Protection Zones of Alton Kopyr Basin, Kirkuk Governorate Northeast of Iraq, 2014, Ph.D. thesis.
<b>3</b>	ESTIMATION OF SOIL EROSION IN NORTHERN KIRKUK GOVERNORATE, IRAQ USING RUSLE, REMOTE SENSING AND GIS( Carpathian journal of earth and environmental sciences)
<b>4</b>	A GIS-based SINTACS model for assessing intrinsic groundwater vulnerability of the Alton Kopyr basin, Kirkuk governorate northeast of Iraq.
<b>5</b>	Intrinsic vulnerability assessment for the quaternary aquifer in Baghdad area using DRASTIC model (Applied water science)
<b>6</b>	Marshes waters sources hydrochemistryof the Bahr Al-Najaf at Najaf Province, Iraq (Journal of Physics Conference Series 1279:012059)
<b>7</b>	Pyrene-Degrading Fungus Ceriporia lacerata RF-7 from Contaminated Soil in Iraq (Polycyclic Aromatic Compounds)
<b>8</b>	Water quality and impacting factors on heavy metals levels in Shatt Al-Arab River, Basra, Iraq ( Applied Water Science , springer )
<b>9</b>	The Immediate Impact of the Associated COVID-19's Lockdown Campaign on the Native Vegetation Recovery of Wadi Al Batin Tri-state Desert ( Remote sensing application, Elsevier)
<b>10</b>	Evaluation of Oil Spills in Sandy Soil Of Rumaila Oil Field Area in Basra, Southern Iraq. (Marshes bulletin)
<b>11</b>	Assessment of Dibdibba Groundwater Quality Using the Multivariate Statistical Technique in Zuber area South of Iraq (Iraqi Journal of Science)
<b>12</b>	Corrosion - Scaling Potentially of Domestic Water Pipelines and Evaluate the Applicability of Raw Water Sources in Basrah, IRAQ (Iraqi Journal of Science)
<b>13</b>	Rock Type and Pore Throat Radius of Zubair Formation in the W Oil Field: Analysis Utilizing Core and Log Data ( Iraqi Geological Journal)

14	Evaluation of groundwater quality in the Dibdibba aquifer using hydrogeochemical and isotope techniques (Basrah Province, Iraq) (Acta Geochim)
2*	Water Sources Detection and Hydrochemistry for Bahr Al-Najaf Wetlands (Marshes water) in AL Najaf Governorate, Iraq (under publishing)
3*	Water Chemistry and Modeling of Fluid- Rock Interaction for Improve Oil Recovery in the Mishref Formation, Halfayi oil field, Misan. (under publishing)

### Thesis discussion

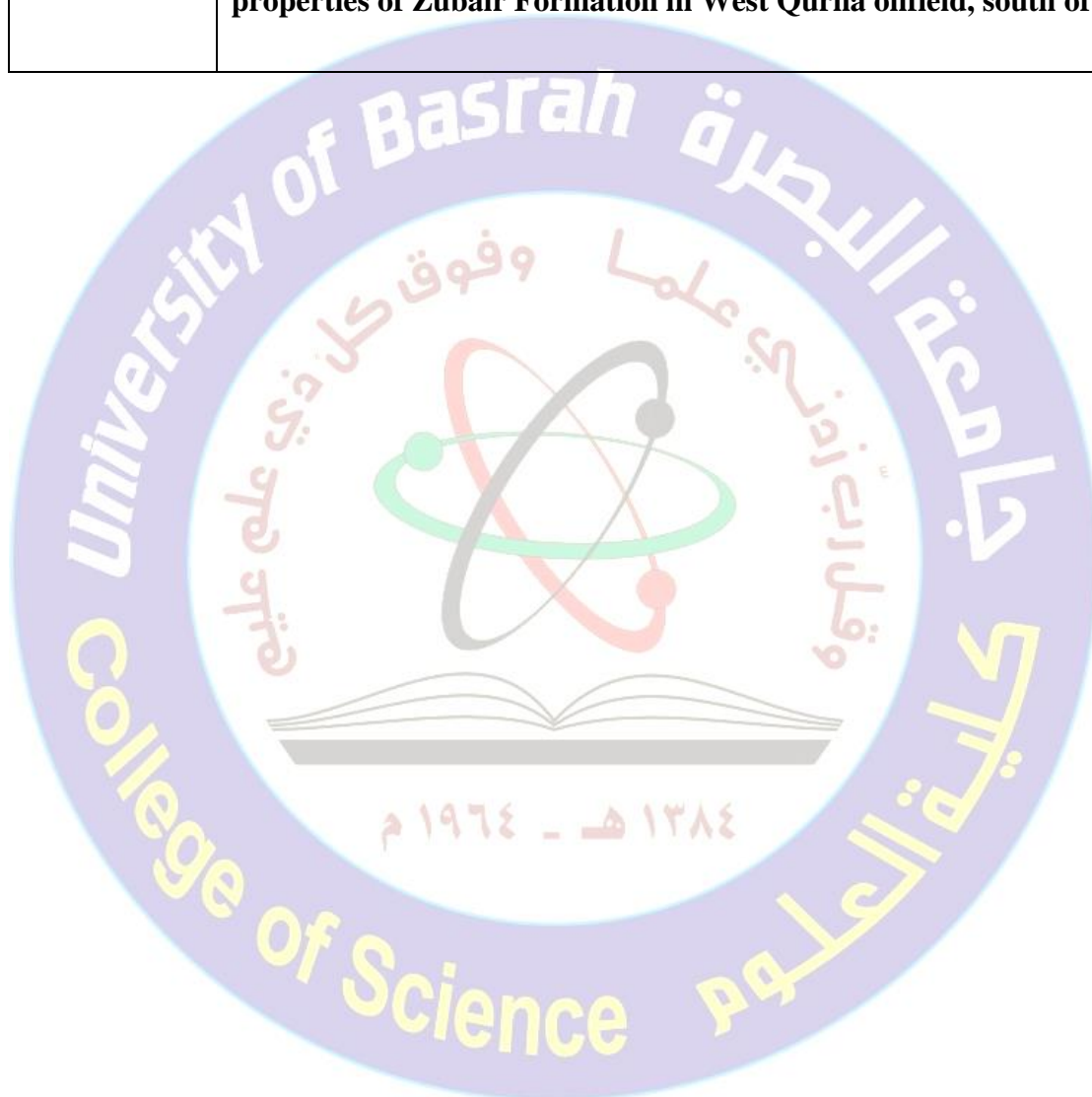
### مناقشات الاطاريح

No.	Thesis title
1	Mapping of ground water artesian zone in Karbala Governorate Iraq : comparison between Dempster-Shafer theory and Fuzzy logic models.
2	Hydrogeochemical evolution and recharge sources of groundwater in Ali Al-Gharbi, Missan province.
3	Mapping of groundwater recharge zone using remote sensing and geospatial models in Ali Garbi- south of Iraq
4	Control of groundwater logging at Al-Zubair area using underground Dam : spatial and numerical simulation model.
5	Hydrogeochemical and environmental evaluation of the groundwater of shallow Dibdibba aquifer in Basrah province, southern Iraq.
6	Probability Mapping of the Groundwater Contamination by Hydrocarbon Materials from the Deep Oil Reservoirs Using GIS-based MachineLearning Algorithms: A case Study of the Dammam Aquifer (Middle of Iraq)
7	Hydrogeochemical Modeling of Water-Rock Interaction under Water Flooding Recovery in Halfaya Oil Field, missan province, Iraq

Supervision of M.sc. Student

اشراف طلبة دراسات عليا

Supervision	Title of thesis
Master	Impacts of Contamination of Petroleum Hydrocarbons on soils and Groundwater in Dibdiba formation and their biological remediation, Rumaila oilfield, Iraq
Master	<b>The hydrogeochemistry of water injection and its effect on the petrophysical properties of Zubair Formation in West Qurna oilfield, south of Iraq</b>



## Conferences and symposium participated

No.	
1	Presenting a project for the establishment of a nature reserve in Jabal Sanam( work shop) <b>administrative committee in 2013</b>
2	Earthquakes in Iraq, their causes and hazard risks ) (symposium) <b>administrative committee in 2017</b>
3	Second INTERNATIONAL SCIENTIFIC Conference in Earth Sciences and Applied Geomorphometry, GIS and Remote Sensing Environment April 2018 -27 - 24Beirut / Lebanon <b>PAPERS PRESENTED</b>
4	Eighth National Conference on Environment and Natural Resources <b>participant Nov. 2018</b>
5	The reality and risks of environmental pollution in the Basrah Governorate (symposium) <b>PAPERS PRESENTED Jan.2019</b>
6	The water crisis in Basrah and the proposed solutions to avoid it and control it (symposium) <b>scientific and administrative committee Feb. 2019</b>
7	The WSTA 13th Gulf Water Conference in Kuwait 12-14 March 2019 "Water in the GCC: Challenges and Innovative Solutions". <b>Participant</b>
8	Groundwater in southern Iraq as alternatives to surface water in emergency situations ( on 8 April 2019 ) <b>Chairman administrative committee</b>
9	(Studying and identification of minerals and rocks using polarized microscope.) ( on April 14-18 2019 ) <b>administrative committee</b>
10	17 <sup>th</sup> Iraqi Geological Conference. 24 – 25 <sup>th</sup> April 2019, held at Oil Cultural Center –Al-Andalus Square- Baghdad / Iraq.
11	1 <sup>ST</sup> International conference forecasting water in the future of Iraq: using the past and present on September, 14-16 <sup>th</sup> , 2019 – Sulaymaniyah. Iraq.
12	Workshop with Kilkindal institute on the Planetary Security Initiative and the impact of climate change on Iraq. in cooperation with the Embassy of the Netherlands in Iraq ( speaker)

--	--

