السيرة الذاتية

المعلومات العامة:

الاسم الثلاثي واللقب	:	امنة مال الله حنظل الكنعان
اللقب العلمي	:	استاذ مساعد
الجامعة	:	البصرة
الكلية	:	العلوم
القسم	:	علم الارض
البريد الالكتروني الرسمي	:	amhgeo@gmail.com amna.handhal@uobasrah.edu.iq

المؤهلات والسيرة العلمية:

الاختصاص العام	جيولوجي		
الاختصاص الدقيق	جيولوجيا النفط		
الشهادة	**تاريخها**	**الجامعة**	**البلد**
بكلوريوس	2000	البصرة	العراق
ماجستير	2006	البصرة	العراق
دكتوراه	2013	البصرة	العراق

الاشراف على الدراسات العليا:

اسم الطالب	الجامعة/الكلية/القسم	الشهادة	السنة
رغد بشير	البصرة /العلوم/ قسم علم الارض	ماجستير	2016
شيماء محمد جواد	البصرة /العلوم/ قسم علم الارض	ماجستير	2017
امجد عبد الزهرة	البصرة /العلوم/ قسم علم الارض	ماجستير	2018
محمد قاسم عبد الحسين	البصرة /العلوم/ قسم علم الارض	ماجستير	2019
حنين مهدي جاسم	البصرة /العلوم/ قسم علم الارض	ماجستير	2022
ليث عادل مهدي	البصرة /العلوم/ قسم علم الارض	ماجستير	2022
وسام هادي مهوس	البصرة /العلوم/ قسم علم الارض	دكتوراه	2022

نشاط التدريسي:

رمز المقرر	اسم المقرر
الدراسات الاولية	
رمز المقرر	اسم المقرر
ج 307	جيولوجيا النفط
ج308	مكامن نفطية
ج403	جيولوجيا تحت السطح وجس الآبار
ج-302	جيولوجيا العراق
ج 416	جيوكيمياء عضوية
جامعة البصرة للنفط والغاز	هندسة المكامن 1&2 وخواص الصخور المكمنية (في جامعة البصرة للنفط والغاز في قسم هندسة النفط والغاز

اسم المادة الدراسية	المرحلة
الدراسات العليا	
اسم المادة الدراسية	المرحلة
جيوكيمياء عضوية متقدم	ماجستير
تحليل احواض متقدم	دكتوراه
مكامن نفطية وجس متقدم	ماجستير
النظام البترولي المتقدم	دكتوراه

الكتب المؤلفة:

اسم الكتاب	سنة النشر	البلد

البحوث المنشورة وبراءة الاختراع:

ت	البحث
1	GIS-based machine learning models for mapping tar mat zones in upper part (DJ unit) of Zubair Formation in North Rumaila supergiant oil field, southern Iraq.(2019) AM Handhal, SM Jawad, AM Al-Abadi Journal of Petroleum Science and Engineering
2	A fuzzy logic approach to infer reservoir permeability from depth and porosity measurements for Mishrif limestone Formation at Nasyria Oil Field, south of Iraq, 2008, J. of al-anbar university for pure science. V ol. 3: No. 1 : 2009 ISSN: 1991-8941
3	Prediction of reservoir permeability from wire log data using artificial neural networks, 2009, Iraqi Journal of Sceicne.. Vol.50, No.1, 2009, PP. 67 – 74
4	Prediction of total organic carbon at Rumaila oil field, Southern Iraq using conventional well logs and machine learning algorithms. Marine and Petroleum Geology, 2020, https://doi.org/10.1016/j.marpetgeo.2020.104347
5	Analysis of Burial History for Mesopotamian basin, southern Iraq. Iraqi Journal of Sceicne. (2014). Vol 55, No.3B, pp:1292-1311
6	Evaluation of microfacies of Mishrif Formation in Nassyria Oil Filed, south of Iraq, 2014, Journal of Basrah Reserch Sciences.**vol.40, No.2,**
7	Prediction of reservoir permeability from porosity measurements for the upper sandstone member of Zubair Formation in SuperGiant South Rumila oil field, southern Iraq, using M5P decision tress and adaptive neuro-fuzzy inference system (ANFIS): a comparative study, M odeling Earth Systems and Environment (Springer). **Model. Earth Syst. Environ. (2016) 2:111 DOI 10.1007/s40808-016-0179-6**
8	The spatial analysis of Yamama Formation heterogeneity in south of Iraq, Iraqi Journal of Sceicne.Vol.57,No.3A,2016.
9	A comparison of burial, maturity and temperature histories of selected wells in southern Iraq , Journal of Basrah Reserch Sciences**, Vol. (42). No. (1) A (2016).**
10	Basin modeling analysis for selected wells from different Oil Fields, Southern Iraq, in press
11	A GIS-based integrated fuzzy logic and analytic hierarchy process model for assessing water-harvesting zones in Northeastern Maysan governorate, Iraq **,** (Springer). Arabian Journal for Science and Engineering 42 (6), 2487-2499. (2017). DOI: 10.1007/s13369-017-2487-1
12	Basin modeling analysis and organic maturation for selected wells from different oil fields, Southern Iraq (Springer). Modeling Earth Systems and Environment, Volume 2, Issue 4, 189pp. 1-14.
13	Synthesis of missing openhole well log data through artificial neural networks (2017) AM Handhal JOURNAL OF KUFA – PHYSICS 9 (2), 56-63
14	Identification of Heavy Oil (Tar Mats) Deposits and Forming Mechanism in the Main Pay of the Zubair Formation in North Rumaila Oil Field, Southern Iraq AMH Shaymaa Mohammed J. International Journal of Mining Science (IJMS) 5 (1), 1-10

15	Computation of cementation factor and saturation exponent for selected oil fields in southern Iraq AM Handhal, ANS Al-Atabi, FW Majeed Journal of Petroleum Research & Studies, 113-131
16	Determination of flow units of Yamama Formation in the West Qurna oil field, Southern Iraq AM Handhal Iraqi Journal of Science 59 (4A)
17	انموذج جيولوجي-مكمني ثلاثي الابعاد لتكوين المشرف في حقل حلفاية Thi_Qar University Journal for Engineering Sciences, http://www.doi.org/10.31663/tqujes.9.2.314(2018), Vol.9 No.2 (September 2018)
18	Evaluating the reservoir properties of Nahr Umr Formation at Luhais oil field, southern Iraq using well logs data Basrah Journal of Science, Vol. 38 (2),294-327, 2020
19	INTERPRETATION OF HYDROCARBON GENERATION, MIGRATION AND THERMAL HISTORY OF MESOPOTAMIAN BASIN SOUTHERN IRAQ BASED 1D PETROMOD SOFTWARE The Iraqi Geological Journal, 2020.Vol.53, No.1B, 2020
20	Facies analysis of the Middle Cretaceous Mishrif Formation in southern Iraq borehole image logs and core thin-sections as a tool **Marine and Petroleum Geology, 2021** https://doi.org/10.1016/j.marpetgeo.2021.105324
21	Spatial Modeling of Hydrocarbon Productivity in the Nahr Umr Formation at the Luhais Oil Field, Southern Iraq Natural Resources Research, 2021, vol. **30**, pages765–787 (2021)
22	MICROFACIES, DEPOSITIONAL ENVIRONMENTS AND DIAGENETIC PROCESSES OF THE MISHRIF AND YAMAMA FORMATIONS AT FAIHA AND SINDIBAD OILFIELDS, SOUTH IRAQ. Iraqi Bulletin of Geology and Mining, vol. 16, pages 51-74
23	Spatial assessment of gross vertical reservoir heterogeneity using geostatistics and GIS-based machine-learning classifiers: A case study from the Zubair Formation, Rumaila oil field, southern Iraq. https://doi.org/10.1016/j.petrol.2021.109482 Journal of Petroleum Science and Engineering, 2022
24	MICROFACIES AND DEPOSITIONAL ANALYSIS OF THE MISHRIF FORMATION IN SELECTED WELLS OF RATAWI OILFIELD, SOUTHREN IRAQ. The Iraqi Geological Journal
25	Modeling of thermal and burial histories for selected deep formations in the Middle-Jurassic to Lower Cretaceous in Siba Gas field, Southern Iraq. Modeling Earth Systems and Environment, 2020
26	Identification of Tar Mat in Zubair Formation of the X Oilfield, Southern Iraq 2022, Iraqi Geological Journal), Vol. 55 DOI: https://doi.org/10.46717/igj.55.1A.12Ms-2022-01-31
27	Determination of the best reservoir units for Upper Shale Member of the Zubair Formation by using several petrophysical properties, Southern Iraq. Misan Journal of Academic Studies, Vol. 20, pp 174-193 (EN)

28	Palynofacies and Source Rocks Evaluation for Selected Samples of Subba Oil Field, Southern Iraq. Iraqi Journal of Science, 2020
29	Applications of biomarker and geochemical characterization of crude oil for Mesopotamian basin, Southern Iraq Modeling Earth Systems and Environment, 2020
30	STUDY OF PETROPHYSICAL PROPERTIES OF MISHRIF AND YAMAMA FORMATIONS AT SELECTED FIELDS, SOUTH IRAQ Journal of Basrah Researches ((Sciences)) Vol. (45). No. 2 (2019)

Societies Membership   عضوية الجمعيات

geological union of Iraq   عضو في

Basra University Academics Union   عضو في

Scientific Skills   المهارات

Professional in uses many advanced software such as Petro mode,

MATLA, ArcGIS, Gobal Mapper, Rockwork, weka, Interactive

petrophysics (IP).

Conferences   المؤتمرات

Th3th Iraq conference of oil and gas

Iraqi Geologists Union The 16th Iraqi Geological Conference 26 – 27th

April 2017

Th4th Iraq conference of oil and gas

Iraqi Geologists Union The 17th Iraqi Geological Conference 24 – 25th

April 2019