

## **TECHNICAL PROGRAM**

### **"INTERNATIONAL CONFERENCE ON IRAQI OIL STUDIES"**



**Mesopotamian people** of the Babylonian and Sumerian civilization of 6000 – 3000 years before present have used asphalt as cementing material of blocks of their buildings and paving roads while oil were used by the Sumerian and Faraonis for saving human bodies after death. Continuation of that civilization, Islamic Abbasids Scientists had performed theories for present Earth Sciences especially by Evin Sina and for exploration studies especially by Al-Beyroni. Hopefully cooperation of our scientist of the present time in Iraq will develop performance of researches in oil studies to become up to the standard of the international conferences, journals and books. This conference could form the base for such cooperation's.

Eighty five articles were submitted to the conference on oil studies, sixty five of them were accepted according their relation with oil studies and their scientific fulfillments. Fifty five four articles are accepted for oral presentation and six for poster display. These scientific participations are arranged in this conference seven sessions and the ninth session is for recommendations. Other activities will be display activities and tour.

**Tuesday 10 Dec. 2013**

**Al – Hakeem Hall – Baghdad University Campus in Jadiriyah**

**9:00 – 10:00      Registration**

**10:00 – 12:00    Opening ceremony**

- A** Reading from the holy Quran.
- A** Abbreviation by the high Excellency minister of higher education and scientific researches.
- A** Word of the dean of the college of sciences Prof Dr. Saleh M. Ali
- A** Abbreviation from the oil ministry addressed Oil and Gas Exploration in Iraq.
- A** Announcement for the second International conference on Iraqi Oil studies by president of the organizing committee, Prof. Dr. Thamer K. Al- Ameri.
- A** Poetry for Iraq by Prof Dr Ameen Ibrahim Al-Yasi.
- A** Awards to the supporters and the organizers for this historic event.
  
- A** **KEYNOTE PAPER:** Thamer K Al-Ameri: College of Science, University of Baghdad: (Oil Biomarkers and Isotopes for defining Petroleum Systems of Iraqi Oil Fields)



**13:00 – 14:30**      **Lunch time.**

**Al- Edrysee Hall – Dean Assembly**

**14:30 – 16:50**      **Research Session (1) Petroleum Exploration**

*Chairman: Dr. Ghazi Hasan Al-Share'a*

*Co- Chairman: Dr. Madhat Elaiwi Naser*

**14:30 – 14:50** / Awadees M. R. Awadeesian, Carabonate Stratigrapher/Reservoir Geologist Msc, Senior Chief Geologist. And Sameer Noori Ali Al-Jawad, Carabonate Reservoir Chief Geologist, Ministry of Oil.

(Mishrif Sequence Stratigraphy and Implication on Water Injection Strategy North Rumaila Field Case)

**14: 50 – 15:10** / Aboosh. H. Al- Hadidy ,North Oil Company, kirkuk, Iraq.

(Upper Cretaceous "Shiranish, Mushora, and GirBir" depositional control and Reservoir facies, in Sfaiya field, NW Iraq)

**15:10 – 15:30** / صفاء سامي هلال (جيولوجي أقدم)، شركة الاستكشافات النفطية

(دراسة تراكيب محور أنبار أم العنز ضمن منطقة الصحراء الغربية )

**15:30 – 15:50** / Mohammed. R. Al-Jubori, Ahmed. I. Al-Naemi & Marwan. I. Al-Eisa, North Oil Company

(Structural study of Reservoir Formations in Balad Oil Field-central part of Iraq)

**15:50 – 16:10** / Dr Mohammad Albeldawi, Qatar Oil Co.

(Oil and Gas Master Plan Development and Environmental Sustainability)

**16:10 – 16:30** / Khalid Habel Zaibel, South Oil Company

(Facies distribution to Nahr Umr formation in Subba oil field)

**16:30 – 16:50** / فنر فاروق عمرناجي، ميرمج أقدم و شركة نفط الشمال/ شعبة نظم المعلومات الجغرافية

(دور نظم المعلومات الجغرافية في تصميم وبناء قواعد بيانات مكانية في المؤسسات النفطية)

### **Computer Hall 3 – Dean Assembly**

**14:30 – 16:50** Reserch session (2) Hydrocarbon Chemistry

*Chairman: Prof. Dr. Mohammed Rif'at*

*Co - Chairman: Prof. Dr. Suad M Hasan*

**14:30 – 14:50** / Emad Yousif , Azal Ahmed& Raghad Haddad: Department of Chemistry, College of Science, Al-Nahrain University, Baghdad, Iraq

(Induced photo-degradation of PVC films by Fe (III) complex)

**14:50 – 15:10** / Jawad K. Shneine: College of Science, Chemistry Department, Al-Nahrain University

(Biofuels from biomass)

**15:10 – 15:30** / Wisam Muhammad Kareem: Maisan Oil Company

(Study on Effect of the Operating Conditions and Equipment Efficiency on the Reactor Product Quality, (Gasoline Production as a Case Study))

**15:30 – 15:50** / هبة محمود ياس، ليث حمزة ثعبان، نادية فخري ابراهيم، وزارة العلوم والتكنولوجيا، دائرة بحوث المواد، مركز بحوث النفط

(افاق التقنيات الحديثه المستخدمة لانتاج النفوط الثقيلة غير التقليديه)

**15:50 – 16:10**/ Eptessaam K.Muhawee ,Abdul Husain Najim Uon, Shaymaa N.

Hamed , Eman F.AbdAl Hadee , Asmaa M.Redah, Worrod Ali: Ministry of Science and Technology, Directorate of Materials Research, Oil & Petrochemical Research Center

(Determination and remove of trace Mercury from heavy crude oil by Use of dilute aqueous solutions)

**16:10 – 16:30** / Suha Hamid Mohsin, Eptessam KadhumMuhawee ,Sally Abas

Obaid, Zainab Khazail Hussain, Alyaa Adeib Abas , Marwa muhammed jassam

(Stripping of Vanadium from Heavy Fuel Oil (HFO) which is used in the electric power stations )

## **Wednesday 11 Dec. 2013**

### **Al- Edrysee Hall – Dean Assembly**

**9:00 – 11:00 Reserch session (3) Petroleum System 1**

*Chairman: Prof. Dr. Ali Dawood Qayarah*

*Co- chairman: Dr. Amer S. Al-Khafaji*

**9:00 – 9:20/** Fahad M. Al-Najm, Muwafaq F. Al-Shahwan and Fawzi M. Al-Beyati

Department of Geology, College of Science, Basra University & Department of Survey, College of Technical, Kirkuk

(Petrophysical properties and Reservoir modeling of Mishrif formation at Tuba field , Southern Iraq)

**9:20 - 9:40/** Muneef Mahjoob Mohammed: Department of Reservoir Engineering, Faculty of Petroleum Engineering and Mining, University of Mosul, Mosul / Iraq

(Integration between tectono-stratigraphic evolution and hydrocarbon system modelling to define the maturation history and oil generation and migration: A case study from the Orange Basin, offshore Namibia)

**9:40 – 10:00 /** Amer Jassim Al-Khafaji: Dept. of Chemistry, College of Science for Women, Babylon University

(Jurassic \_ Cretaceous petroleum system of the Nasiriya oilfield, Mesopotamian Basin, Southern Iraq.)

**10:00 – 10:20 /** Rami M. Idan: Al-Mustansiriya University, College of Sciences, Department of Biology

(Hydrocarbon potential of Zubair Formation in the South of Iraq)

**10:20 – 10:40 /** Qahtan Adnan Mohamed and Thamer Al-Ameri

(Oil Exploration Company and College of Science, University of Baghdad)

(Hydrocarbon potential of Majnoon Oil Field, South Iraq)

**10:40 – 11:00** / Rzger Abdulkarim Abdula: Department of Petroleum Geosciences, Faculty of Science and Engineering, Saran University, Saran, KRG, Iraq  
(Petroleum source rocks analysis of the Jurassic Ssargelu Formation, Northern Iraq)

**11:00-11:30 Break & Tea Time**

### **Al- Edrysee Hall – Dean Assembly**

**11:30 – 13:30 Research session (4) Petroleum System 2**

*Chairman: Prof. Dr. Muafak Fadhel Al-Shahwan*

*Co- Chairman: Dr. Mohammed Sulaiman Ali*

**11:30 – 11:50** / Ahmed A. Najaf AlAhmed: University of Al Nahrain –Baghdad- Iraq

(Play and Potential concept of Taq Taq Oilfield sourced from Sargelu Formation (Middle Jurassic) North Iraq)

**11:50 – 12:10** / Basim Al-Qayim, Department of Geology, Sulaimani University, Sulaimani, Kurdistan, Iraq

(Bank Carbonates punctuating the Zagross Foreland Basin of NE Arabia: an alternative petroleum play)

**12:10 – 12:30** / د. عادل طالب الشيخ حمادي القيسي و و داد نعمان عبد الرزاق

شركة نفط الشمال

(المحتويات الكبريتية في النفوط الخام لحقول وسط وشمال العراق والعوامل المؤثرة عليها)

**12:30 – 12:50** / Buraq Adnan Al-Baldawi and Madhat E. Naser: Department of Geology, College of Science, University of Baghdad. Baghdad- Iraq

(Investigation of Reservoir Flow Unit and Rock Types of the Mishrif Formation in Amara Oil Field and Prediction of Performance)

**12:50 – 13:10** / Muslim Aqeel Ahmad<sup>1</sup>& Thamer Abbas Al-shamary<sup>2</sup>: <sup>1</sup>Senior chief geologist, North oil company & <sup>2</sup>University of Baghdad

(Depositional setting and petroleum system of Jurassic Rocks in Northwest Iraq)

**13:10 – 13:30/** Asaad M. Basha : Iraqi oil Ministry/ OEC -Baghdad-2013  
(Structure-control on Cenomenian-Carbonate Mishrif-Facies distribution/ middle part of Mesopotamian sub-basin /Iraq)

**13:30 – 14:30 Lunch Time**

### **Al- Edrysee Hall – Dean Assembly**

**14:30 – 1630 Research session (5) Petroleum Studies 1**

*Chairman: Prof. Dr Nawal Abdulredha*

*Co- Chairman: Dr Jabbar Layij Ali*

**14:30 – 14:50 /** Alaa N. Hamdon & Laith Kh. Ibraheem: Remote Sensing Center,  
MosulUniversity & Atmospheric Sciences Dept., Al-Mustansiriya University  
(Morphotectonic study of Dushwan Uplift between Kirkuk and QaraChauq

Anticlines using Remote Sensing Techniques

**14:50 – 15:10 /** ريان غازي ذنون و نبيل قادر العزاوي: مركز التحسس النائي، قسم علم الارض، جامعة الموصل

(تقييم التحكم التركيبي بالنضوحات الهايدروكاربونية في شمالي العراق باستخدام تقنيات التحسس النائي)

**15:10 – 15:30 /** حسين شويل عودة: معاون رئيس جيولوجيين، شركة الأستكشافات النفطية

(طباقية رسوبيات تكوين الخابور في حقل عكاس)

**15:30 – 15:50 /** وليد يونس عبد الله و صالح خضر خلف: مركز التحسس النائي /الموارد الطبيعية و

قسم علوم الأرض/ كلية العلوم في جامعة الموصل

دراسة صخرية التكوينات نهر عمر مودود واحمدي من أبار نفطية مختارة لمناطق جنوب العراق))

**15:50 – 16:10 /** الدكتور عادل طالب الشيخ حمادي القيسي وقحطان محمد حسين الجبوري،  
شركة نفط الشمال

(التوزيع الجغرافي للغازات الحرة والمصاحبة لحقول شركة نفط الشمال (وسط وشمال العراق))

**16:10 – 16:30 / Abdulhusein Neima Al-Etabi, South Oil Company**

(Hydrochemistry and hydrochemo facies Of Yamama formation water in selected Fields in southern Iraqi Oil Fields)

### **Computer Hall 3 – Dean Assembly**

**9:00 – 11:00 Research session (6) Petroleum Studies 2**

*Chairman: Prof. Dr. Ameen Ibrahim Al-Yasi*

*Co- Chairman: Dr Aiad Ali Husein*

**9:00 – 9:20 / فارس صالح مهدي الشبخلي، مدير فني خبير النفط والغاز والالات الدقيقة /**

(منظومات الحماية لمحطات الغاز السائل)

**9:20 – 9:40 / Wisam Muhammad Kareem: Maisan Oil Company**

(Study on Effect of the Operating Conditions and Equipment Efficiency on the Reactor Product Quality (Gasoline Production as a Case Study))

**9:40 – 10:00 / Adnan A. Abed/ Instructor in University of Kirkuk /Engineering**

College & Samir N. AL-Jawad/senior reservoir geologist Ministry of Oil

(Hydraulic Flow Units and Permeability Prediction in a Carbonate Reservoir from Well Log Data Using Non-Parametric Correlation)

**10:00 – 10:20 / Laith Hamzah Thuaban, Hiba Mahmmuod Yas, Nagam Ali Gafeel:**

Ministry of Science and Technology /Materials Research Directorate / Oil Research Center

(Environmental impact of Directional and Horizontal Oil Wells Drilling

Technology)

**10:20 – 10:40 / Adnan A. Abed/ University of Kirkuk /Engineering College &**

Samir N. AL-Jawad/Ministry of Oil

(Permeability Predication by using capillary pressure data in Carbonate reservoirs)

**10:40 – 11:00 / محمود عبدالله المفرجي و مروان متعب و مروه ميسر كشموله: جامعة كركوك- كلية العلوم و**

جامعة الموصل- كلية هندسة النفط



(العلاقه الجيولوجيه بين تراكييب خباز و باي حسن و كركوك في ضوء تصميم نماذج جيوفيزيائيه جديده)

**11:00 – 11:30 Break, Tea Time**

### **Computer Hall 3 – Dean Assembly**

**11:30 – 13:30 Research session (7) Environmental impact of hydrocarbons**

*Chairman: Prof. Dr. Ryadh Younis Al-Obaydi*

*Co- Chairman: Dr. Sawsan Majeed Ali*

**11:30 – 11:50 / Ahmed.S.Dwaish, Mohammed F. Khudhair , Rami M. Idan: Al-Mustansiriyah Uni., College of Science, Department of Biology.**

(Assessment of the ability of isolated algae from fresh water in the decomposition of crude oil)

**11:50 – 12:10/ Ahmed.S.Dwaish, Rami M. Idan, and Sara Y. Hayder: Al-Mustansiriyah Uni., College of Science, Department of Biology.**

(Growth and physiological responses of *Triticum aestivum* exposed to crude oil)

**12:10 – 12:30/ Mohammed F. Khudhair, Rami M. Idan Ahmed.S.Dwaish, Sara Y. Hayder, AL-MustansiriyahUni. College of Science, Department of Biology.**

(Response of Resident Bacteria of a Crude Oil Polluted soil to crude Oil)

**12:30 – 12:50/ Ebtihal F. Khudhair\*, Dr. Amani L.M. Salih\*\*, Dr. Rami M. Idan\*\*, \* Iraqi date processing and marketing company &\*\* Al-Mustansiriyah Uni., College of Science, Department of Biology.**

(Effect of petroleum pollutant soil on properties of concrete)

**12:50 – 13:10 / أسراء سعدي عبد و جنان مهدي كاظم و ليث حمزه ثعبان، دائرة بحوث المواد**

امركز بحوث النفط والبتروكيمياويات/وزارة العلوم و التكنولوجيا

(انواع ومميزات الطرق البايولوجيه المستعمله لمعالجه الملوثات النفطيه)

م.د. سميرة حسن عطية و ا.م.د. سحر قدوري، الجامعة المستنصرية- مركز المستنصرية / 13:10 – 13:30  
للدراستات العربية والدولية- قسم المجتمع المدني وحقوق الانسان  
(دور منظمات المجتمع المدني في الحد من تلوث الصناعة النفطية:منظمات حماية البيئة نموذجاً)

### **Computer Hall 3 – Dean Assembly**

**14:30 – 1630 Research session (8) Petroleum Engineer**

*Chairman: Prof. Dr. Maha R Abdulameer*

*Co- Chairman: Dr. Talib Abdullah Saleh*

**14:30 – 14:50 / Usama Alameedy and Ahmed Almomen, Petroleum Engineering Department, College of Engineering, University of Baghdad**  
(Diagnosing complex flow characteristics of Mishrif Formation stimulated well using production logging tool)

**14:50 – 15:10 / Ayad A.Al-Haleem , Faleh H.Al-Mahdawi : Baghdad University, College of Engineering, Department of Petroleum**  
(An Overview of General Regulations to Minimize Environmental Affects from Petroleum Drilling and Production Activities)

**15:10 – 15:30 / Talib Abdullah saleh: University of Baghdad, College of Engineering, Pet.Eng.Dep**  
(Gas coning in oil wells)

**15:30 – 15:50 / فارس صالح مهدي الشبخلي، مدير فني خبير النفط والغاز والالات الدقيقة / 15:30 – 15:50**  
(الغاز الجاف و محطات تخفيض الضغط والقياس الغازية)

**15:50 – 16:10 / Falah. H. M. Almahdawi, University of Baghdad, Eng. College, Petroleum Eng. Dep.**  
(Comparison of pressure losses calculations by approximate methods in the annulus (laminar flow))

**16:10 – 16:30 / Hassan Abdul Hadi Abdul Hussien and Dahlia Abdulhadi Abdulateef, Petroleum Eng.Dept., University of Baghdad**

(Determination of Optimum Mechanical Drilling Parameters for an Iraqi Field with Regression Model)

## **Thursday 12 Dec. 2013**

### **Al- Edrysee Hall – Dean Assembly**

**9:00 – 11:00 Research session (9); Geophysical Explorations**

*Chairman: Prof. Dr. Ahmed Shehab Al-Banna*

*Co- Chairman: Dr. Sameer Noori Al-Jawad*

**9:00 – 9:20 / صفاء ناصر تقي الديك، ر. جيوفيزيائيين اقدم، متقاعد من شركة الأستكشافات /**

*النفطية*

*(المسح الزلزالي العمودي في الآبار النفطية)*

**9:20 – 9:40 / Abbas S. Al-Badri ( PhD.,FGS,MIMM.,AAPG): 5491 BT, Netherlands**

*(Radiometric Method is a New tool for Hydrocarbon Surface Exploration)*

**9:40 – 10:00/ Salman .Z. Khorshid and Rassoull .D. Salman: Department of Geology, College of Science, Baghdad University, Baghdad,Iraq**

*(Using ultrasonic technique to determine some petrophysical properties of core samples of Zubair and Mishrif formations at Lu-5 and Tu-5oil wells, southern Iraq)*

**10:00 – 10:20 / Firas H. Khalid<sup>1\*</sup> and Jassim M. Thabit<sup>2\*\*</sup>: <sup>1</sup>Head of Geophysics Division, General Commission for Ground Water, Studies and Investigations Department.& <sup>2</sup>University of Baghdad, College of Science, Department of Geology.**

*(2D resistivity imaging survey to delineate subsurface seepage of hydrocarbon contaminated water Southwest ofKarbala city)*

**10:20 – 10:40 / Nawal Abed Alridha : Geology Department, College of Science, Baghdad University.**

(3-D Seismic Survey Study of Faults System in Balad Oil Field – Center of Iraq)

10:40 – 11:00 / سلمى محمد عبدالامير و سالار سعدي حسن : شعبة تفاسير الشمال- شركة الاستكشافات

النفطيه- وزارة النفط

(علاقة السرعة الزلزالية (السرعة المعدلية) مع التكاوين الجيولوجية في العمل الاستكشافي الزلزالي في

العراق)

### **Computer Hall 3 – Dean Assembly**

**9:00 – 11:00 Research session (10) Industrial Chemistry for Hydrocarbons**

*Chairman: Prof. Dr. Kholoud Add Saleh*

*Co- Chairman: Dr. Abdulkareem Al-Samara'e*

**9:00 – 9:20 / Raed Abd Shaker and Abdulkareem M.A. Alsammarraei: Department of chemistry –College of science –University of Baghdad**

(Fabrication Polyaniline nanofibers as corrosion protection of carbon steel and stainless steel alloys)

**9:20 – 9:40 /** ميادة نايف شاكرو جماعتها: وزارة العلوم و التكنولوجيا- دائرة بحوث المواد

(دراسة تأثير استخدام القلويات والمواد الفعالة السطح على تحسين استخلاص النفط الخام العراقي)

**9:40 – 10:00 / Naser Korde Zedin: University of Technology, Division of Production and Materials.**

(Coatings affect study on Cathodic Protection System for oil steel pipeline)

**10:00 – 10:20 / Rawaa Abbas Mohammed and Abdulkareem M.A. Alsammarraei:**

Department of chemistry –College of science –University of Baghdad

(Electropolymerization of Polypyrrole nanofibers as corrosion protection of carbon steel and stainless steel alloys)

**10:20 -10:40 / Kholoud Abd Saleh: Department of Chemistry, College of Science, University of Baghdad**

**10:40 – 11:00** / Moutaz Al Dabbas\*, Mohammed Y. Eisa\*, Weam H. Kadhum \*\*: *\*Central Environmental Laboratory, College of Science, University of Baghdad & \*\* Department of Geology, College of Science, University of Baghdad*  
(NEW PROCEDURE FOR EVALUATION SULFATE/CARBONATE RATIO OF THE OIL FIELDS CAP ROCK USING A FOURIER TRANSFORM INFRARED SPECTROPHOTOMETER (FTIR))

**11:30 – 11:30 Break, Tea Time**

### **Al- Edrysee Hall – Dean Assembly**

**11:30 – 12:30 Discussion session (11) Recommendations**

**Chairman:** *Prof. Dr. Saleh M. Ali:* The Dean of the College of Science

**Co- Chairmans:** *Prof. Dr. Thamer K. Al-Ameri:* President of the Conference Organizing committee, College of Science.

*Dr. Ghazi H Al-Share'a:* General Director of Petroleum Research and Development Center, Ministry of Oil.

*Dr Mohammed Rifa't:* General Director of Reservoirs and Field Development Institute, Ministry of Oil.

It will be open discussion for all the participants of this conference to find solutions for scientists and researches as well as how to develop oil and gas studies in Iraq.

### **Displaying Activities**

#### **Organizers:**

- *Prof. Dr. Suad Mohammed Husein*
- *Dr. Murtadha J. Isa*
- *Mr. Aiad Husein Ali*
- *Mr Hasan Kattof*

### **Booths display:**

1. Journal of petroleum geology and Arabian Journal of Geosciences.
2. Scientific Bureau of the College of Science University of Baghdad
3. Shell Oil Company.
4. Ministry of Oil.
5. Ministry of Science and Technology.

### **Posters:**

1-Thamer Khazal Al-Ameri<sup>1</sup>, Afrah Hasan Al-Ekabi<sup>1</sup>, and Sameer Noori Al-Jawad<sup>3</sup>; (Palynomorphs Stratigraphy, Palynofacies and Organic Geochemistry assessment for Hydrocarbon Generation of Ratawi Formation, Iraq).

2- Thamer K Al-Ameri and Amer Jassim Al-Khafaji: College of Science, University of Baghdad, Jadiriyah, Baghdad, Iraq and College of Science for women, Babylon University, Hillah, Iraq.

(Oil seeps affinity and basin modeling used for hydrocarbon discoveries in the Kifle, Merjan and Ekheither Fields, West Iraq).

3- وليد خالد حمدان / معاون رئيس جيولوجيين - شركة الاستكشافات النفطية -  
(الموديل الجيولوجي ثلاثي الابعاد لحقل الدجيله في محافظة ميسان)

4- Al-Ameri, Thamer K.<sup>1</sup>, Ahmed A. N. Al-Ahmed<sup>2</sup>, Amer S. Al-Khafaji<sup>3</sup>, John Zumberge<sup>4</sup>, and Janet Pittman<sup>5</sup>.

1. Department of Geology, College of Science, University of Baghdad, Jadiriyah, Iraq., 2. Department of Chemistry, College of Science, University of Al-Nahrain, Jadiriyah, Iraq., 3. Department of Chemistry, College of Science for Woman, University of Babylon. Hilla, Iraq., 4. GeoMark Research Ltd, Houston, TX 77095, USA., 5. U.S. Geological Survey, Denver, CO 80225, USA.

(Hydrocarbon Potential of the Sargelu Formation, Zagross Fold Belt, North Iraq)

5- Al-Ameri, Thamer.K. Department of Geology, College of Science, University of Baghdad, P.O. Box 47062 Jadiriyah, Iraq.& Riyadh Y. Al-Obaydi, Department of Physics, College of education for Woman, University of Baghdad.

(Cretaceous Petroleum System of the Khasib and Tannuma Reservoir Oils, East Baghdad Oil Field, Iraq)

6- Thamer Khazaal Al–Ameri, Nagham Mohammed Al-Jubouri, Murtadha J, Isa& Rami Eidan Al-Azzawi: Department of Geology, College of Sciences, University of Baghdad, Jadiriyah, Iraq.

(Hydrocarbons generation potential of the Jurassic–Lower Cretaceous Formation, Ajeel field, Iraq)

7- Laith Hamzah Thuaban, Rana amer abd-ikareem, and Doaa khudair mohmmad: Ministry of Science and Technology /Materials Research Directorate / Oil Research Center

(Basics and advantages of electro coagulation technology as advanced method for the treatment of refineries waste water).

8- وسن طالب ظنون و جماعتها: وزارة العلوم و التكنولوجيا

(استخدام مواد متراكبة من البولي اثيلين واطى الكثافة ونانوكاربون لمنع تآكل انابيب النفط)

9- عبد الهادي محمد سلمان و جماعته: وزارة العلوم و التكنولوجيا

(تقييم أداء منظومات معالجة المياه في مصفى الدورة)

10- استيرق حسن كاظم و سهاد كاظم عاصي و نعيمه حسين زغير و سهام إبراهيم: دائرة معالجة و اتلاف - المخلفات الكيميائية و البايولوجية و الحربية الخطرة ، وزارة العلوم و التكنولوجيا و وزارة البيئة

(المعالجة البايولوجية للتلوث النفطي لمياه المصافي باستخدام تقنية الأوساط الزرعيه المحضرة محليا)

**Films:**

1. Earth Systems and Plate Tectonics.
2. Piqueto; Hydrocarbon and ore mineral resources.
3. Hydrocarbon exploration activities.

