

منهـاج المؤتمـر

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1- أ.د جاسم عبد العزيز حمادي الفلاحي (الوكيل الفني لوزارة الصحة والبيئة) عنوان المحاضرة / الطاقات المتجددة	
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AL-Karkh University of Science 2nd International Scientific Conference

Wednesday

2 Dec. 2020

1st Session

Hall (No. 1)

Nanotechnology and Advanced materials

Session Chair

أ.د. اسامة سلمان التماري

أ.م.د. اسامة سلمان

Time	Authors	Title
12:30	A. S. Hasan, M. A. Akraa and S. J. Abbas	Chloroquine, Hydroxychloroquine, Nelfinavir, and Azithromycin: Physical Simulation Study for The Nature of Treatments' Interaction and Effectiveness in Treating COVID-19
12:45	Mahasin F.hadi Al – Kadhemi, Enas Muhi Hadi and Rawabi Abdullrazzaq	Preparation Insulator foam brick from Iraqi local clay
01:00	Sarah Ahmed Hassan, Ali AdnanAbd Alwahab,Ahmed Abed Anber, Jafer Fahdel Odah, Eidan Asi Abdullah and	Effect of the Magnetrons on the Discharge Electrodes in a Home-Made Plasma Sputtering System
01:15	Sabah Ibrahim Abbas, Ahmed Abed Anber	Optimization of Multilayer Antireflection Coatings for Visible and Infrared Regions
01:30	Hammad R. Humud Fouad G. Hamzah	Verification of simultaneously existed enhancing Raman scattering with quenching fluorescence of Rhodamine 6G dye using plasmonic nanostructures
01:45	Duha Sabeeh Kalf, Nadia Mohammed Jassim and Olfat Ahmed Mahmood	Study of Some Mechanical and Physical Properties of Epoxy – GNPs and SiO ₂ Composites.
2:00	Aws Abbas Hussein	Effect of spheroidization treatment on friction stir processing of Al- 14 wt.% Si alloy





AL-Karkh University of Science 2nd International Scientific Conference

Wednesday

2 Dec. 2020

1st Session

Hall (No. 2)

Biomedical Applications

Session Chair

أ.د عبد الكريم عبد الوهاب الغزاز

أ.م.د اسماء سامي

Time	Authors	Title
12:00	Noor I.Abdul-Zahra Jasim H.Taher Mona A. Ismail	Level of eosinophil cationic protein in <i>Strongyloides stercoralis</i> infection in Najaf province /Iraq
12:15	Mundher Kh. Jabbar , Ma- haadelKhalaf, Mohammed Jasim Ali	Study of the chromosomes , gene map , functions and classifica- tion in <i>Panicum miliaceum</i> L
12:30	Thamer Mouhi Jasiem	Analysis of some candidate genes for Rheumatoid Arthritis of Iraqi population
12:45	Maraw ali abdalabas and Zaid Makki Mohammed	Effect exposure of mobile phone radiation on blood parameters in rats
1:00	Firas Faris Rija, Khulood Naji Rasheed	Effect of thyroidectomy in concentrations of T3, T4 and TSH in humans
1:15	Ahmed Talib Yassen Aldossary, Abdullah A.Mohammed, Ahmed Jasim Nawfal Aula H.Obaid	Hemoglobin A1c and blood pressure in type2 diabetic patients
1:30	Samah Ahmed Kadhum AL- jebory, Ruqaya Munther Ewadh	Educational survey about awareness of tonsillitis in Babylon province
1:45	Khalid H Hassan, Saraa A Assi, Tabark B Abdul- Kareem and Zakaria K Baker	Effect of magnetic water on production and physiological traits in Japanese quail
2:00	Iman Jawad Kadhim Sara Adil Obaed, Adil Abaed Hassoni	Detection of Escherichia coli virulence genes (pap , afa , iha ipr2andhly genes) isolated from patients with urinary tract in- fections in Babylon province, Iraq .
2:15	Farah Jawad Kadhum, Asrar Abdulmunem Saeed, Mahasin F. Hadi AL-kadhemy, Ali A. Dawood Al-Zuky, Anwar H. Al- Saleh	Theoretical Biosensor Design for Gold- PVA Surface Plasmon Resonance Layers





AL-Karkh University of Science 2nd International Scientific Conference

Wednesday

2 Dec. 2020

1st Session

Hall (No. 3)

Remote Sensing

(12:00 - 12:20)

keynote speaker : أ.د جابر سلمان الكناني

Drones as a means of war, reconnaissance and community service

Session Chair

أ.د جابر سلمان الكناني

أ.م.د وضاح محمود شاكر

Time	Authors	Title
12:30	Zeyad Jameel Al-Saedi , Aysar Abdulazeez Saeed	Estimating A Water Budget By using remote Sensing and GIS technique For The Rabea Basin/Northwest Iraq
12:45	Afrah S.Mahdi , Ban A. Al Razaq , Maitham A. Sultan	Monitoring of Shatt al Arab water quality (south of Iraq) using GIS techniques
01:00	Maysoon Taha Mahmood Alsaady ¹	Climate change and its environmental implications for sustainable energy Iraq using GIS & RS
01:15	Alaa N. Hamdon	Monitoring the Seismic activity at Iraqi-Iranian border by using modern techniques
01:30	Sabah Al-Ithawi and Wa- san Hekmat	Characteristics of Bulk Kdp Transvers Optical Modulator
01:45	Ahmed A. AL Hameed, Kamal M. Abood	Model of Sky Temperature Estimation at 1.42 GHz using Baghdad University Radio Telescope
2:00	Rayan Gh. Thannoun Hadeer Gh. M. Adeeab, Azealdeen S. Al-Jawadi	Extractions morphotectonic features using satellite data processing and Dem-derived spatial models

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AL-Karkh University of Science 2nd International Scientific Conference

Wednesday

2 Dec. 2020

1st Session

Hall (No. 4)

Applications of Renewable energy

(12:00 - 12:20)

استاذ مشارك دكتور عمار الخالدي : **keynote speaker**

Energy and Water Indicators For Sustainable City site Selection and Design in Jordan Using Smart Grid

Session Chair

د. جمال حميد وهيب العزاوي

م.د. محمد عباس

Time	Authors	Title
12:30	Haider M Matrood, Nagham Thamer Ail, Amany Akram Awaad	The Effect of Laser Heating and Overcasting Deposition on the Efficiency of Plasmonic Solar Cell with Noble Metallic Nanostructures
12:45	Safaa J Al-Suwaidi, Amani I Al-tmimi, Ammar A Al-khalidi	Designing a sustainable city in Iraq and using SAM program to calculating renewable energy
01:00	Basheer K. Ahmed, Ghada Ghanim Younis, and Zakria Abdalwahid	Estimation And Analysis of Solar Radiation on Horizontal and Inclined Surface for Baghdad City
01:15	Mustafa B. Al-hadithi, Yaseen M. Tayib	Design and Performance Analysis of Spiral Solar Water Heater Using Iron Plate/Sand Absorber for Domestic Use
01:30	B Attiya, M Al-Sarray, K. Khalaf and A Muhsen	Exploring Energy-Saving Potential for Industrial Sector Utilizing Energy Efficiency Management Approach: Haditha Hydropower Plant as a Case Study
1:45	Sajaa M. Khazael, Maythm Al-Bakri	The Optimum Site Selection for Solar Energy Farms using AHP in GIS environment, A Case Study of Iraq
02:00	Ahmed Abbas Shahhath, Haroun A K Shahad, Alaa Abbas Mahdi	Parametric Theoretical Study of Solar Assisted Cooling System Using Lithium Bromide- Water pair
02:15	Mohanad Al-Rubaiee , Guillermo Sanchez Plaza	The effect of Black-Silicon surface texturing of solar cell on reflectivity
02:30	Zainab A. Al-Taay, Shrok Allami, and Mehdi Salih Shihab	Sulfonation effect on the blend PES/PS/PVDF polymer membranes efficiency for Microbial Fuel Cell
02:45	Thaer O. Roomi, Hussain A. Nemah, Ramiz M. Shubar	Computation and analysis of the solar parameters in relation to determining the optimal angles for solar panels in some locations in Iraq





AL-Karkh University of Science 2nd International Scientific Conference

Thursday

3 Dec. 2020

2nd Session

Hall (No. 1)

Nanotechnology and Advanced materials

Session Chair

أ.د. تحسين مبارك

أ.م.د. هند ابراهيم

Time	Authors	Title
9:00	Mustafa Husam Saeed, S.M. Al Duwaib and Dina Jalal Al-den Fakar Al-den	Investigation of Structural, Photo-luminescence and Self-Cleaning Properties of GO, GO-Ag, GO-Zn Thin Layers and GO-Ag/GO-Zn Composite Bilayer Prepared by Spray Pyrolysis Method
9:15	Mustafa A. Rajab, Omar H. Hassoon, Taghreed B. Alwan.	Effect of Alumina nanoparticles on the absorption property of composite materials reinforced by fiber
9:30	Harakat Mohsin Roomy, Sarah K Taha	Numerical Simulation of the Optical Coatings for IR Heat Multi-layers Reflectors Protection
9:45	Bashaer J Kahdum	A Kinetic Study for Malachite Green Removal of Adsorption over Multiwall Carbon Nanotubes
10:00	Raed A. Dheyab, Abdullah A. Hussein, and Asrar Abdulmunem Saeed	Performance Enhancement of P3HT: ZnOSolar Cells by Incorporating Metal Oxide Fe ₂ O ₃ Nanoparticles
10:15	Z.K.Salih, Angham Ayad Kamall-Eldeen	Manufacturing of NPK Nano fertilizer and its effect on growth and of cut flowers production in two types of <i>Rosa spp</i>
10:30	Mortatha J. Jawad ¹ , Zoalfokkar K. Alobad ² , A. S. Hasan ³	Effect of ZnO, TiO ₂ and Mixed Nanoparticles on The Mechanical, Morphological and Antibacterial Properties of Epoxy Resin
10:45	Mamoon A. A. Al- Jaafari	Heat Treatments Effects on the Fatigue Behaviors of Aluminum Nano-Composite Alloys
11:00	Wasan A. Al-Taa'y, Bushra A. Hasan	Design and fabrication of nanostructure TiO ₂ doped NiO as a gas sensor for NO ₂ detection
11:15	Layla R. Mohammed, Ahmed I. Alnazzal	The Effect of Nano-Zinc Oxide And Nano-Titanium Dioxide In Inhibition Of Ochratoxin A





AL-Karkh University of Science 2nd International Scientific Conference

Thursday

3 Dec. 2020

2nd Session

Hall (No. 1)

Nanotechnology and Advanced materials

Session Chair

اد.د تحسين مبارك

أ.م.د هند ابراهيم

استراحة 11:30 - 12:00

Time	Authors	Title
12:00	Ahmed Makki Sadaa Al-Mohammed , Zainab T Y Al-Abdullah	Green Synthesis of Nickel Nanoparticles and their Application of Removal of Aliphatic Hydrocarbons from Crude Oil
12:15	Mohammed Ali H. Al-Beayaty, Lamiaa kh.abbas, Rana Kadhim Mohammed	Structural, optical and morphological Characterization of CdSe/CdS coreshell quantum dots Synthesized via Chemical Bath
12:30	Saja.Q.Ali, Wisam J. Aziz, Raad S. Sabri	Characterization of Cr ₂ O ₃ nanoparticles prepared by using cauliflower extract in two method and comparison between them.
12:45	Saja Q. , Ameer F. AbdulAmeer and Ali H. A. Jalaukhan	Structural and Morphological properties of as-deposited and heat treated blended Graphene oxide / poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) thin films
01:00	Sanaa A.Alsahib and Khalida A.Thejeel	Characterization of Nanostructured molybdenum trioxide MoO ₃ that synthesized from extract coriander seeds and used it in conversion benzotrifluoride to benzoyl fluoride
01:15	Abbas Ibrahim Obayes, Enas Mohammed AL-Robayi	Theoretical Study of the Quantum Electronic Properties and Electronic Transition of Organic Molecules
01:30	Thamir A.A.Hassan Rajaa Obayes Abdulsada	Synthesis of TiO ₂ thin films nanoparticles with different layers using simple Sol-Gel method





AL-Karkh University of Science 2nd International Scientific Conference

Thursday

3 Dec. 2020

2nd Session

Hall (No. 2)

Medical Physics and Its Applications

Session Chair

اد.د شاکر محمود الجبوري

اد.د عدنان المعموري

Time	Authors	Title
9:30	Estabraq Mahmood Mahdi, Sahar Naji Rashid ,Awatif SabirJasim	Effect Of Nd:YAG Laser On Ants (<i>Camponotusconsobrinus</i>)
9:45	Omar Najah Jubbier, Ali M. Hassan, Siham S. Abdullah, Haydar H. Alabedi, Nabaa M. Alazawy, Mustafa Jabbar Al-Musawi	<u>The correlation of Modulation Complexity Score (MCS)</u> with number of segments and local gamma passing rate for the IMRT treatment planning delivery
10:00	Ehsan M. Al-bayati , Fadia W. Al-Azawi and mo-	Best Regression for Eye Recognition
10:15	Noor H. Resham, Heba Kh. Abbas Haidar J. Mohamad , Anwar H. Al-Saleh	Noise Reduction, Enhancement and Classification for Sonar Images

Biomedical Applications

Time	Authors	Title
10:30	Huda A. S. Al shadood	ABO blood groups and relation with disorder menstruation cycle among women in Najaf city-Iraq.
10:45	Mahdi H. Hammadi	The Evaluation of primary hypothyroidism on ovarian cystsin Iraqi women's
11:00	Bassam Baqer Hasan, Hadimohammed Ali Abood And Nadira Salman Mohamed	Deep Eutectic Solvent formed bycalcium chloride dihydrate with acetamide
11:15	Zahrah Adnan Al-shammari,	Effect of Lactobacillus sppbacitracin on aerobic bacterial vaginosis and Trichomonas vaginalis with alkaline pH environment





AL-Karkh University of Science 2nd International Scientific Conference

Thursday

3 Dec. 2020

2nd Session

Hall (No. 3)

Geophysics and Geological Applications

Session Chair

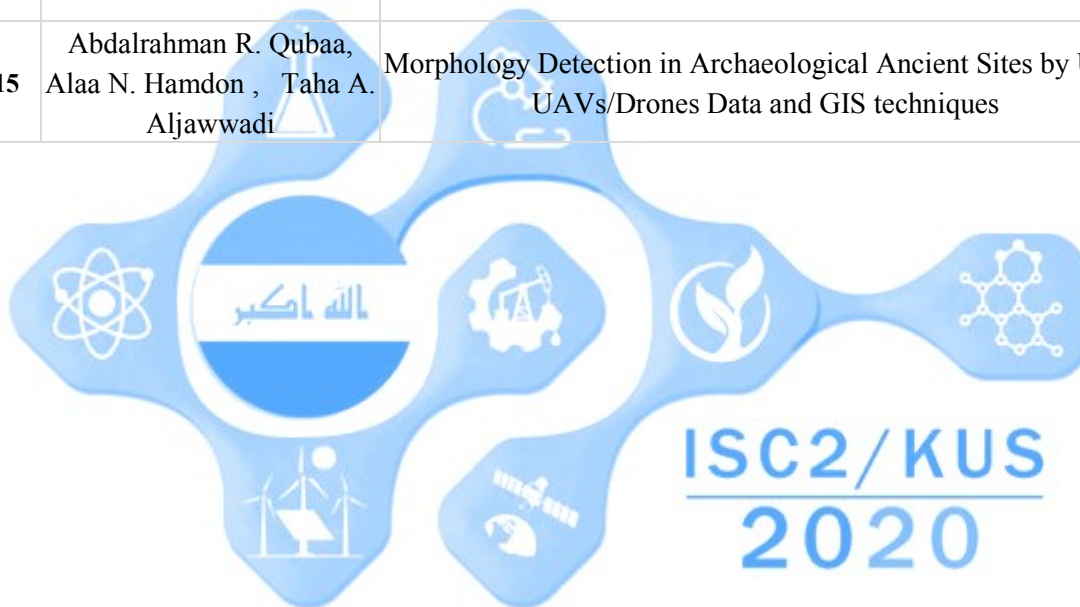
ا.د. احمد عسكر نجف

ا.م.د. محمد صظام

Time	Authors	Title
9:00	Abdulkhaleq A. Alhadithi	Using Structural Reservoir Properties to Boost Natural Gas Production. Case Study: Akkas Gas Field, Western Iraq.
9:15	Rasha F. Faisal, Amani L. M. Salih , Rami M. Idan, Furat A. S. Al-Musawi	Diagenetic development of Mishrif Formation and its effect on reservoir quality in Zubair oilfield, Southern Iraq
9:30	Linaz Anis Fadhil , Afyaa SaleemAbd Al-Ameer	Petrography, Mineralogy and Geochemistry of Gypsiferous Soils in Selected Areas in Middle of Iraq
9:45	Omar N. A. Al-Khazraji, Shahad Adil F. Al-Qaraghuli ^a	Geostatistical Evaluation of Depth Conversion Uncertainty in Luhais Oil Field

Remote Sensing

Time	Authors	Title
10:00	Ali Hussein Jaber Al Rammahi	Specify the actual evapotranspiration of Iraq by GIS
10:15	Abdalrahman R. Qubaa, Alaa N. Hamdon , Taha A. Aljawwadi	Morphology Detection in Archaeological Ancient Sites by Using UAVs/Drones Data and GIS techniques





AL-Karkh University of Science 2nd International Scientific Conference

Thursday

3 Dec. 2020

2nd Session

Hall (No. 3)

Remote Sensing

Session Chair

ا.د أحمد عسكر

ا.م.د احمد عباس

Time	Authors	Title
10:30	Israa Fadhil Ibraheem	Remote sensing data and environmental parameters usage for the establishment of a mapping of solar energy potential in Iraq
10:45	Hussein R Sarhan, Fanar M. Abed	The Feasibility of using UAV Structure from motion Photogrammetry to Extract HBIM of The Great Ziggurat of UR
11:00	Fadia W. Al-Azawi , Huda M. Hamid	Production of Three Dimensions ATriangulated Irregular Network (3D TIN) for Al-Karkh university of Science, Baghdad - Iraq
11:15	Heman Abdulkhaleq A. Gaznayee,Ayad M. Fadhil Al-Quraishi, Ahmed Hashim A. Al-Sulttani	Drought spatiotemporal Characteristics Based on a Vegetation Condition Index (VCI) in Erbil, the Iraqi Kurdistan Region from 1998 to 2017
11:30	Sabah H. Ali, Mohamed A. Najemaden	Spatial Analysis of the CO Emission from Nineveh Governorate Using Remote Sensing Techniques and GIS
11:45	Shaymaa H. Kafi, Ali A. AL-Zuky, Anwar H. Al- Saleh, Duaa A. Taban	A new contrast metrics to estimate the amount of distortion in image edges affected by the motion of the rotating object
12:00	Shahad Adil Al-Qaraghuli, Azhar Abbas Hassan, Rafa A.H.Albaldawi, Omnia K.	The Impact of Climate Changes on the Fluctuation of the Surface Water of Al- Razzaza Lake, Iraq

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AL-Karkh University of Science 2nd International Scientific Conference

Thursday

3 Dec. 2020

2nd Session

Hall (No. 4)

Environmental Impact of Pollution and Climate Change

(09:15 - 09:30)

keynote speaker : أ.د علي عبد الزهرة اللامي

تأثيرات جائحة كورونا على الوضع البيئي العالمي

Session Chair

أ.د كاظم جواد لفته

م.د ابراهيم السوداني

Time	Authors	Title
9:30	Ibrahim M. Al-Sudani, Hamsa Tariq Abed Al-Razzaq, Ali Ch. Khraibet, Hayder J. Mohammed	Impacts of untreated sewage effluent on Tigris River water quality using (NSF_WQI) index
9:45	Jamal Abdul Rahman Tawfeeq, Ali Noori , Kareem, Anmar A. M. Al-Wazeer, Rasha Mohamed Shaker	Effects of levels and degradability dietary crude protein on some blood parameters of lambs
10:00	Kadhim J.L.Al-Zaidy	Fish diversity, their present conservation status and abundance in relation to water quality from Main Outfall Drain in Al-Diwaniya City / Iraq
10:15	Aqeel D Salman Kais J Al-Jumaily , Ali M AL-Salihi	Patterns of Aerosols-Clouds Interactions Over Iraq Using MODIS Satellite Data During (2008-2017)
10:30	Vian Almusawi, Thaer O. Roomi, and Alaa M. Al-Lami	Using and Evaluating the Efficiency of GRIMs Model in Making Some Simulations of Weather Variables in Middle East: A Snowfall Case Study
10:45	Angham O. Zahei, Ahmed S. Al Chalabi and Entisar M. Aboud	Laboratory Evaluation of drinking water bottles collected from Basra City
11:00	Ghaith Salah Al-Mamoori and Hazim Aziz Al-Robai	Using of EDTA-Na ₂ and Oxalic Acid for Removal of Cd and Ni from Calcareous and Gypsum Soils
11:15	Taghreed Khalid Hameed, Auras Muse Omron, Mahmood Salim Karim, and Hazim Louis Mansour	Measurement of ²²² Rn gas Concentrations and Radon Exhalation Rates in Some Cigarettes Tobacco Samples
11:30	Taghreed Khalid Hameed ¹ , Auras Muse Omron ² , Mahmood Salim Karim ¹	Measurement the natural radioactivity of fertilizer samples by using (HPGe) detector





AL-Karkh University of Science 2nd International
Scientific Conference

اليوم الثاني : الخميس ٣ كانون الاول ٢٠٢٠

البيان الختامي	2 ⁰⁰
توزيع الأوسمة والدروع	
الصورة الجماعية	

