



*Republic of Iraq*

*Ministry of Higher Education  
& Scientific Research*



*The seventh Scientific Conference for Postgraduate Students Research*

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**28-29 December 2020**

*College of Science / Al-Nahrain University*

**Baghdad – Iraq**

**SESSION TABLES**

## Session Tables / The Second Day / Tuesday 29-12-2020

*I-Chemistry*

<p style="text-align: center;"><b>Second Session</b></p> <p><b>Time: 9:00 – 10:30 AM</b></p> <p><b>Chairman:</b> <b>Dr. Alaa Jwad</b></p> <p><b>Co-Chairman:</b> <b>Dr. Rasha Saad</b></p>	M.Sc. Student	<p><b>Title of paper:</b> <i>Synthesis, Characterization and Biological Activity of Some Metal Ion Complexes with New Penicillin Derivatives</i></p> <p><b>Names:</b> Asmaa Ali Jawad and Assit. Prof. Dr. Ammar J. Alabdali</p>
	M.Sc. Student	<p><b>Title of paper:</b> <i>Study of association between diacylglycerol and diabetes out comes in patients with type 2 diabetes millitus</i></p> <p><b>Names:</b> Alaa Waleed Qader and Dr. Wissam Kadhom Hammadi.</p>
	M.Sc. Student	<p><b>Title of paper:</b> <i>Study for Organotin Complexes as Photostabiliztion of PVC Polymer</i></p> <p><b>Names:</b> Baraa Watheq Hachim and Prof. Dr. Emad A. Yousif</p>
	M.Sc. Student	<p><b>Title of paper:</b> <i>Organotin (IV) Complexes with Atenolol: Synthesis, Characterization and Study the new Complexes as PVC Photostabilizer</i></p> <p><b>Names:</b> Baneen Salam Rasool and Prof. Dr. Emad A. Yousif</p>
	M.Sc. Student	<p><b>Title of paper:</b> <i>Biosynthesis of Zinc Oxide Nanoparticles Using Orange peels Extract for Biological Applications</i></p> <p><b>Names:</b> Tahseen Ali Ibrahim, Prof. Dr. Taghried Ali Salman and prof. Dr. Salma Abd Al- Rudha Abbas</p>

<b>Third Session</b> <b>Time:10:30 AM – 12:00 PM</b> <b>Chairman:</b> <b>Dr. Mahdi Salih</b>  <b>Co-Chairman:</b> <b>Dr. Khalida Abaid</b>	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>Modification of Chemotherpy drug (Doxorubicin) to reduce risk factor contrbuting to toxicity (Cardiotoxcity)</i> <b>Names:</b> Hasan Hadi Kadhum, Assit. Prof. Dr. Ahmed Abdul Razzaq and Dr. Khawla A.Kasar
	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>Influence of ionic liquid analogous (DES) on the stability of cellulose</i> <b>Names:</b> Zeena Thamer Salman and Prof. Dr. Hadi M A Abood
	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>Preparation of a modified polymer as a membrane for microbial fuel cell</i> <b>Names:</b> Zainab Ali Mousa, Prof. Dr. Mehdi Salih Shihab and Dr. Shrok Abdullah idan
	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>Synthesis and characterization of new Oxazepine Compounds and Estimation it's Biological Activity</i> <b>Names:</b> Abbas Khudhair Abbas and Prof. Dr. Nasreen Rahem Jber
	<b>Ph.D. Student</b>	<b>Title of paper:</b> <i>Metal Recovery By Ionic Liquid</i> <b>Names:</b> Eman Turkey Shamkhy, Prof. Dr. Hadi Mohammed Ali Abood and Prof. Dr. Taghrid A. Salman

<b>Fourth Session</b>  <b>Time: 12:00 – 1:00 PM</b>  <b>Chairman:</b> <b>Dr. Firas Abdallah</b>  <b>Co-Chairman:</b> <b>Dr. Khawla Kasar</b>	M.Sc. Student	<b>Title of paper:</b> <i>Synthesis and characterization of new ofloxacin membrane electrode for determination of ofloxacin drug in different samples</i> <b>Names:</b> Suad Jawad Abed and Assit. Prof. Dr. Bashaer abbas khudhair
	M.Sc. Student	<b>Title of paper:</b> <i>Sera levels of adherens and catenin junctions with some biochemical parameters of Iraqi patients with breast cancer</i> <b>Names:</b> Ali Hayder Habbeeb, Prof. Dr. Alaa H. Jawad
	M.Sc. Student	<b>Title of paper:</b> <i>Study of the role of Myeloperoxidase in sera of patients with lung cancer</i> <b>Names:</b> Ola khalid Fadhel, and Prof. Dr. Firas A. Hassan
	Ph.D. Student	<b>Title of paper:</b> <i>Influence of Alum-DES on Some Properties of PVA</i> <b>Names:</b> Jenan Hasan Kreem, Prof. Dr. Hadi Mohammed Ali Abood and Prof. Dr. Imad Khadair Abass

<b>Fifth Session</b>  <b>Time: 1:00 – 2:00 PM</b>  <b>Chairman:</b> <b>Dr. Bashaer Abbas</b>  <b>Co-Chairman:</b> <b>Dr. Mohammed Husain</b>	M.Sc. Student	<b>Title of paper:</b> <i>A new protic room temperature deep eutectic solvent made from sulfonic acid and acetamide, its characterization and some transition metals uv-visible behavior</i> <b>Names:</b> Ali Khalaf Enaad and Prof. Dr. Hadi M A Abood
	M.Sc. Student	<b>Title of paper:</b> <i>Theoretical Study for Some Imidazole Derivatives by Quantum Mechanics</i> <b>Names:</b> Amar Tumaa Musa, and Dr. Khalida Abaid
	M.Sc. Student	<b>Title of paper:</b> <i>Toxicity and Stability of SIRT1 aptamer in breast cancer cell line</i> <b>Names:</b> Salah salim dawood, Assit. Prof. Dr. Dyaa Shamek Zageer Al- Rubyai and Dr. Basma Talib Jasim Al-Sudani
	M.Sc. Student	<b>Title of paper:</b> <i>Evaluation of ( Leptin, Adiponectin, Resistin ) Concentrations in Iraqi Patients with Major and Minor Beta Thalassemia</i> <b>Names:</b> Nazar Sattar Harb, and Prof. Dr. Alaa Hussain Jawad

## II-Physics

<b>Second Session</b>  <b>Time: 9:00 – 10:30 AM</b>  <b>Chairman:</b> <b>Dr. Suha Mosa</b>  <b>Co-Chairman:</b> <b>Dr. Ahmed Aziz</b>	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>Nuclear Structure of <math>^{145-155}\text{Pm}</math> Isotopes within IBFM-2</i> <b>Names:</b> Afrah Jwad Muhesin and Dr. Saad Naji Abood
	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>Improvement of the Solar-Thermal Conversion Properties of a Composite Coating for Flat-Plate Solar Collector</i> <b>Names:</b> Ruaa H. Jasim and Ahmed Abdulrahman Al-Tabbakh
	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>CAD of symmetric magnetic lenses using the EOD program</i> <b>Names:</b> Basma faiz Abd Alghane and Prof. Dr.Ahmad K. Ahmad
	<b>M.Sc. Student</b>	<b>Title of paper:</b> <i>Lead Concentrations in Blood Serum Samples of Pregnant Women in Baghdad Governorate</i> <b>Names:</b> Maryam M. Adel and Prof. Dr. Nada F. Tawfiq
	<b>Ph.D. Student</b>	<b>Title of paper:</b> <i>The effect of etching parameters on physical properties of quaternary AlInGaN thin film</i> <b>Names:</b> Ghasaq Ali Toama and Asst. Prof. Dr. Dr. Alla Jabbar Gazzai
	<b>Ph.D. Student</b>	<b>Title of paper:</b> <i>Concentration in Blood of Policemen by Using CR-39 Track Detector</i> <b>Names:</b> Mostafa S. Mohammed, Prof. Dr. Laith A. Al-Ani and Prof. Dr.Nada F. Tawfiq

<b>Third Session</b>  <b>Time: 10:30 AM – 12:00 PM</b>  <b>Chairman:</b> <b>Dr. Oday Ali</b>  <b>Co-Chairman:</b> <b>Dr. Mohammed Tariq</b>	M.Sc. Student	<b>Title of paper:</b> <i>Dose Natural Radioactivity in Underground Waters in Tallafar Distract using Gamma Ray Spectroscopy Technique</i> <b>Names:</b> Ashraf Abdulrahman M.Taher and Prof. Dr. Kareem Khalaf Mohammed
	M.Sc. Student	<b>Title of paper:</b> <i>Design &amp; Analysis for a Two Regions Fiber Bragg Grating (FBG) using Optigrating Simulation Software</i> <b>Names:</b> Riyam Skakir Mohaisen and Asst. Prof. Dr. Suha Mousa Khorsheed
	M.Sc. Student	<b>Title of paper:</b> <i>Uranium Concentrations in Urine of Maternal Samples in Baghdad Governorate</i> <b>Names:</b> Maryam M. Adel and Prof. Dr. Nada F. Tawfiq
	Ph.D. Student	<b>Title of paper:</b> <i>The Physical Properties of Bi-2223 Nanostructure Prepared by Co-participation</i> <b>Names:</b> Zaid Khaleel Ibrahim and Prof. Dr. Emad K. Al-Shakarchi
	Ph.D. Student	<b>Title of paper:</b> <i>Uranium Concentration in Urine of Policemen's in Babylon Governorate Using CR-39 Track Detector</i> <b>Names:</b> Mostafa S. Mohammed, Prof. Dr. Nada F. Tawfiq and Prof. Dr. Laith A. Al-Ani
<b>III-Computer Science</b>		
<b>Second Session</b>  <b>Time: 9:00 – 10:30 AM</b>  <b>Chairman:</b> <b>Dr. Nadia Fadhel</b> <b>Co-Chairman:</b> <b>Dr. Hassna Imad</b>	M.Sc. Student	<b>Title of paper:</b> <i>Hybrid Recommender Systems based on Matrix Factorization</i> <b>Names:</b> Kaiser A. Reshak and Prof. Dr. Ban Nadeem Dhannoon
	M.Sc. Student	<b>Title of paper:</b> <i>Machine learning Algorithm for Fake News Detection</i> <b>Names:</b> Reham jehad falih and Assit. Prof. Dr. Suhad Abdulrahman Yousif
	M.Sc. Student	<b>Title of paper:</b> <i>Detection of Plant Leaves Diseases Using Image Processing Based on Deep Learning Techniques</i> <b>Names:</b> Reem Mohammed Jasim Mohammed and Prof. Dr. Mohammed Sahib Mahdi Altaei
	M.Sc. Student	<b>Title of paper:</b> <i>Diagnosis of Malaria Infected Blood Cell Digital Images using Deep Convolutional Neural Networks</i> <b>Names:</b> Mohammed Abdul Ameer Jabar and Asst. Prof. Dr. Abdulkareem Merhej Radhi

<b>Third Session</b>  <b>Time: 10:30AM – 12:00 PM</b>  <b>Chairman:</b> <b>Dr. Saffa Hussain</b>  <b>Co-Chairman:</b> <b>Assit. Prof. Abeer Khazaal</b>	M.Sc. Student	<b>Title of paper:</b> <i>Text Based Steganography</i> <b>Names:</b> Rawaa Hamza Ali and Dr. Jamal Mohamed Kadhim
	M.Sc. Student	<b>Title of paper:</b> <i>Enhancement of Surveillance Approaches for Tamper and Forgery Detection in Digital Videos to Contribution of Digital Evidence Forensic</i> <b>Names:</b> Mohammed Radhi Oraibi and Assit. Prof. Dr. Abdulkareem Merhej Radhi
	M.Sc. Student	<b>Title of paper:</b> <i>Copy-Move Forgery Detection Using Forensic Images</i> <b>Names:</b> Ayat Fadhel Homady Sewan and Prof. Dr. Mohammed Sahib Mahdi Altaei
	Ph.D. Student	<b>Title of paper:</b> <i>Cross Language Information Transfer</i> <b>Names:</b> Teeba Z. Abdelhameed

#### *IV-Mathematics and Computer Applications*

<b>Second Session</b>  <b>Time: 9:00 – 10:30 AM</b>  <b>Chairman:</b> <b>Assit. Prof. Saad Mohsen</b>  <b>Co-Chairman:</b> <b>Dr. Akram Abbas</b>	M.Sc. Student	<b>Title of paper:</b> <i>Approximate Solution of Fuzzy Initial Value Problems Using Variational Iteration Method</i> <b>Names:</b> Hussein M. Sagban and Assit. Prof. Dr. Fadhel S. Fadhel
	M.Sc. Student	<b>Title of paper:</b> <i>Using El-Zaki Transform and Variation Iteration Method to Solving Sine-Gordon Equation.</i> <b>Names:</b> Marwa H. Al-Tai and Prof. Dr. Ali H.Al-Fayadh