



Program of International Workshop
On
Applications of Biotechnology
In collaboration with
**1st Annual International Conference on
Information and Sciences**
(AICIS 2018)

Fallujah, Anbar-Iraq
20-21 November, 2018

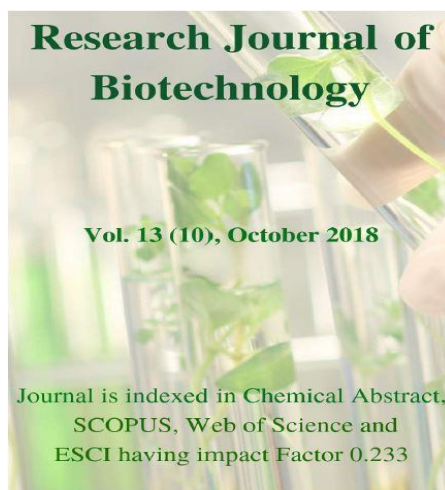
Organized by
University of Fallujah, Iraq

Conference Chair
Prof. Dr. Mohammed Affan Alhamdany

Workshop Publications

➤ Proceedings Publication

Accepted papers will be published by World Researchers Associations Publisher, through two special issue of indexing journals: -Research Journal of Biotechnology and Research Journal of Chemistry and Environment





Conference Program Agenda (General Map) - 1st Day

Tuesday, Nov. 20-2018

Venue: Baghdad, Babylon Hotel Date: Nov., Tuesday 20, 2018				
8:00-9:30	Registration			
9:30-10:40 Gilgamesh Hall	<ul style="list-style-type: none"> - Opening Ceremony - Art Activities 			
10:40-11:30	Keynote Speech I (Gilgamesh Hall) <i>Prof. Badrul H. Khan (PhD) - USA</i>			
11:30-12:10	Keynote Speech II (Gilgamesh Hall) <i>Prof. Roumiana Kountcheva (PhD) – Bulgaria</i>			
12:10-1:00	Coffee Break, Art Gallery			
	Parallel Sessions (Scientific Activities Included)			
Hall Names	Gilgamesh Hall	Al Furat Hall	Enlil Hall	Baghdad Hall
Time Duration 01:00-04:00	AICIS accepted Papers	Physics Work- shop Accepted Papers	Biotechnology Workshop accepted papers I	Biotechnology Workshop accepted papers II

2nd Day -Wednesday, Nov. 21-2018

Venue: University of Fallujah Main Campus Floor Date: November, Wednesday, 21, 2018				
8:00-9:30	Registration			
9:30-10:05	- Opening Ceremony, Fallujah Mayoralty Main Building			
10:05-10:40 Central Hall	Keynote Speech I <i>Prof. Dhiya Al-Jumaily (PhD) - UK</i>			
10:40-11:10	Keynote Speech II <i>Prof. Rafid Al-Kadhar (PhD) - UK</i>			
11:10-11:40	Keynote Speech III <i>Prof. Muthanna Shanshal (PhD) - Iraq</i>			
11:40-12:40	Coffee Break ,Art Gallery			
12:40-200	Exhibits			
02:00 -04:00	Parallel Sessions (Scientific Activities)			
Place	El-Kendi Hall	El-Razi Hall	Ibn El-Baytar Hall	Ibn Hayan Hall
UoF Medical School Building	Bio. Work- shop I	Bio. Workshop II	Physics Workshop	AICIS'18

Third Day

Thursday, Nov. 22-2018

Venue: Baghdad Date: November, Thursday, 22, 2018 Baghdad Tour	
10:00-1:00	Site visit to Iraqi National Museum
01:00-3:00	Site visit to Al-Hikma House with Break
	A Lecture on Iraq Sociocultural Life

Shor Description about Venue Tour:

Iraqi National Museum: is a museum located in Baghdad, Iraq. Also known as the Iraq Museum, it contains precious relics from the Mesopotamian, Babylonian and Persian civilization. The collections of the National Museum of Iraq include art and artifacts from ancient Sumerian, Babylonian, Akkadian and Assyrian civilizations. The museum also has galleries devoted to collections of both pre-Islamic and Islamic Arabian art and artifacts. Of its many noteworthy collections, the Nimrud gold collection—which features gold jewelry and figures of precious stone that date to the 9th century and the collection of stone carvings and cuneiform tablets from Uruk are exceptional.

Al-Hikma House: Dar al-Hikma (House of Wisdom) was an underground publishing house, set up by the Iraqi Communist Party in September 1945.[1] It published literature on politics, science, economy and culture.[1] It issues Arabic translations on Friedrich Engels' Origin of the Family, Maxim Gorky's Mother and texts of Stalin on dialectics and historical materialism.

Conference Program Agenda (Detailed Map)- 1st Day

Venue: Baghdad, Babylon Hotel

Tuesday, Nov.20, 2018

Hall(s): Gilgamesh, Al-Furat, Enlil, Ishtar Halls

Time	Registration
09:30-10:40	<ul style="list-style-type: none">- Opening Ceremony<ul style="list-style-type: none">- Performance of the Iraqi National Anthem- A Piece of Holy Quran Recital- UoF President Remarks- Iraqi Minister of HESR Remarks- ART Activities
10:40-11:30	Keynote Speech I
	<p>Speech Title: Iraqi Virtual University (IVU)</p> <p>Prof. Badrul H. Khan (PhD) – USA Founder of modern e-Learning Virginia International University, USA badrulkhan2003@yahoo.com</p>
11:30-12:10	Keynote Speech II
	<p>Speech Title: Adaptive processing of correlated sequences of medical images</p> <p>Prof. Roumiana Kountcheva (PhD) – Bulgaria TK Engineering of Sofia, Bulgaria kountcheva_r@yahoo.com</p>
12:10-01:00	ART Gallery, Coffee Break

International Biotechnology Workshop Sessional Discussion (Presentation)

Session 1 (Baghdad- Enlil Hall) - Workshop Code=BT

Time Duration 01:00-02:15	Biotechnology: Biology Session Chairs: Prof.Ihsan Hamudi Saeid ,Prof.Hamid Jasim Aldulimi		
	Paper ID	Title	Time
	BT01	The Etiopathogenesis of CMV in Rheumatoid Arthritis Patients	01:00-01:15
	BT02	In silico Design Bacterial Expression Vectors of Therapeutic Strategies of Lethal-Micr-RNA-7	01:15-01:30
	BT03	Some of Biomedical Applications of Eichhornia Crassipes	01:30-01:45
	BT04	Biodegradability of Microbial Synthesized Poly- β -hydroxy-butyrate produced from Pseudomonas Aeruginosa Dw7Local Isolate	01:45-02:00
	BT05	Matrix Metalloproteinase-1 Expression in Human Breast Cancer: Morphological Analysis Using In Situ hybridization Technique	02:00-02:15

Session 1 (Baghdad- Ishtar Hall) - Workshop Code=BT

Time Duration 01:00-02:15	Biotechnology: Medical Science Session Chairs: Prof.Abdalkrim Alqazaz , A.Prof.Ahmad Majid Al-Shamri		
	Paper ID	Title	Time
	BT01	Induction of Mesenchymal Stem Cells into Neuronal Cells Via Two Formulas, Efficiency Study	01:00-01:15
	BT02	The Role of Interferon Lambda in Hepatitis B infection	01:15-01:30
	BT03	Cold Atmospheric Plasma Generated by FE-DBD Scheme cytotoxicity against Breast Cancer cells	01:30-01:45
	BT04	Antiviral activity of limonin Against Newcastle Disease virus in Vitro	01:45-02:00
	BT05	Relationship Between Breast Cancer and Vitamin A and Family History of Woman Iraq Population	02:00-02:15

Total Papers=10

Session 2 (Baghdad- **Enlil Hall**) - Workshop Code=**BT**

Time Duration 02:15-03:30	Biotechnology: Environmental & Agricultural Biotechnology Session Chairs: Prof.Mouayad Abayji , Prof. Majid Sakhi Jaber		
	Paper ID	Title	Time
	BT01	Effect of Some Heavy Metals as Pollutant on Male Infertility in Fallujah City	02:15-02:30
	BT02	Extraction and Spectrophotometric Investigations on the Pollution in Depleted Uranium of Southern Iraq	02:30-02:45
	BT03	Galangin and Gold Nanoparticles as a Novel Anti-tumor Therapy via Induction of Apoptosis in MCF-7 and AMN-3 Cell lines	02:45-03:00
	BT04	Gold Nanoparticles Inhibits Proliferation of Human Breast Cancer Cell Line	03:00-03:15
	BT05	Characterization and synthesis of New Mixed Ligands Complexes and Antibacterial Activity of 2-(naphthalene-1-ylamino)-2- 1,10-phenanthroline and phenylacetonitrile with VO(II), Fe(II), Mn(II), Cr(III), Co(II) Metal Ions	3:15-03:30

Session 2 (Baghdad- **Ishtar Hall**) - Workshop Code=**BT**

Time Duration 02:15-03:45	Biotechnology: Chemistry Session Chairs: Prof.Hauthama Razuqi Hasan , Prof.Ashraf Said Rashid		
	Paper ID	Title	Time
	BT01	Vanadyl VO(II) with O-phenylenediamine Complexes Preparation and Spectral Characterization	02:15-02:30
	BT02	C-peptide as a Marker to Assess Pancreatic Beta Cell Function in Iraqi Patients with Type 2 Diabetes	02:30-02:45
	BT03	Determination of Epinephrine in Pharmaceuticals Dosage Using Hydrophilic Interaction Chromatography with ICP-AES Detection	02:45-03:00
	BT04	Ambient Decontamination by Non -Thermal Plasma in Atmospheric Pressure Air	03:00-03:15
	BT05	Levels of Arginase Isoenzymes in Sera of Iraqi Patients with Atherosclerosis and Type 2 Diabetes Mellitus	3:15-03:30
	BT06	Ag(I) Complex and Mixed-Ligand Complexes of Some Metal Ions Ni(II), Pd(II), Pt(II), Cu(II) and Zn(II) Derived from 2-[4-(n-butyloxy phenyl)-5-(4-n-octyloxy phenyl)-1,3,4 Oxadiazole and their Spectral and Biological Studies	03:30-03:45

Total Papers=11

Conference Program Agenda (Detailed Map) - 2nd Day

Venue: University of Fallujah Main Campus Floor

Date: Nov. 21, 2018

Hall(s): Ibn Sina, El-Kendi, El-Razi, Ibn El-Baytar, Ibn El-Hyan Halls

Time	Registration
09:30-10:05	<p>- Opening Ceremony</p> <ul style="list-style-type: none"> - Performance of the Iraqi National Anthem - A Piece of Holy Quran Recital - UoF President Remarks - Anbar Governor Remarks (or his Representative)
10:05-10:40	<p>Keynote Speech I</p> <p>Speech Title: Artificial Intelligence in Real World Applications Prof. Dhiya Al-Jumaily (PhD) - UK Faculty of Engineering and Technology Liverpool John Moores University, England D.Aljumeily@ljmu.ac.uk</p>
	<p>Keynote Speech II</p> <p>Speech Title: Water as the Essence of Life Prof. Rafid Al-Kadhar (PhD) - UK Liverpool John Moores University Liverpool, UK</p>
10:40-11:10	
11:10-11:40	<p>Keynote Speech III</p> <p>Speech Title: Impact of the Development in Computer Technology on the Progress in modern Theoretical Chemistry. Prof. Muthana Shanshal, University of Baghdad mshanshal2003@yahoo.com</p>
11:40-1:00	ART Gallery, Coffee Break
1:00-02:00	<p>Exhibits</p> <ul style="list-style-type: none"> - Moving to UoF Medical School Building - Exhibit Inaugurations, Ribbon Cutting Ceremonies, Painting & Calligraphy Arts Exhibit. - Women Entrepreneurship Workshop "Women in E-learning" Tutorial Lecture: Dr. Shema Khan (PhD) – USA (Ibn Sina- Hall)

International Biotechnology Workshop Sessional Discussions (Presentation)

Session 1 (UoF- El-Kendi Hall) Workshop Code: BT

Time Duration 01:00-02:30	Biotechnology Applications: Biology Topics Session Chairs: Prof.Ihsan Humudi Saeid , Prof. Ibrahim A. Kareem		
	Paper ID	Title	Time
	BT01	Detection of Infectious Laryngotracheitis by real-time PCR in Baghdad.	01:00-01:15
	BT02	Genetic Polymorphism in ND1 Gene of Hydatid Cyst In Iraqi goats	01:15-01:30
	BT03	Investigation of Genetic Diversity and Relationships among the Clinical Candida species Using Random Amplified Polymorphic DNA (RAPD) Analysis	01:30-01:45
	BT04	Effect of Mentha spicata volatile oil on some virulence factors of Pseudomonas aeruginosa isolated from clinical samples	01:45-02:00
	BT05	Interleukin-17A rs3819024 gene polymorphism in Iraqi Arab pulmonary tuberculosis patients	02:00-02:15
	BT06	Molecular detection of Escherichia coli local isolate from pregnancy Iraqi women	02:15-02:30

Session 1 (UoF- El-Razi Hall) Workshop Code: BT

Time Duration 01:00-02:30	Biotechnology Applications: Medical Science Session Chairs: Prof. Idham A. Abed , Assist.Prof. Thaer M. Al jumaily		
	Paper ID	Title	Time
	BT01	Extraction and purification of Lipopolysaccharide from Salmonella typhimurium and its cytotoxicity on cervical cancer cell line (Hela)	01:00-01:15
	BT02	Genetic Polymorphism in TNF Receptor and Osteoprotegerin Genes Associated with the Incidence of Diabetic Foot	01:15-01:30
	BT03	Distribution of 14 bp Insertion/ Deletion polymorphism with Consanguinity in the study groups	01:30-01:45
	BT04	Depression symptoms among children in Mosul, A post conflict study	01:45-02:00
	BT05	Evaluation of syndecan-1 and p53 protein in patients with oral lichen planus.	02:00-02:15
	BT06	Characteristics and complications of childhood nephropathic cystinosis in Al-Fallujah City: a case series.	02:15-02:30

Total papers=12

Session 2 (UoF- El-Kendi Hall) Workshop Code: BT

Biotechnology Applications: Environmental & Agricultural Biotechnology			
Session Chairs: Prof.Hamid A. Kadhem, Prof. Mohammed Q. AL-ani			
Time Duration 02:30-04:00	Paper ID	Title	Time
	BT01	Gold nanoparticles inhibits proliferation of Human breast cancer cell line	02:30-02:45
	BT02	Study of the Cytotoxic Effects of Aflatoxin on Hematopoietic Stem Cells	02:45-03:00
	BT03	The Cold Plasma: A Promising Tool To Improve The Clinical Outcome Of Iraqi Patients With Burn Infections	03:00-03:15
	BT04	Evaluation study of the anti-ulcer activities of Cum-inum cyminum Seed extract against ethanol-induced gastric ulcer in rats.	03:15-03:30
	BT05	Evaluate of the performance of Bread wheat genotypes (Triticum aestivum L.) in central region of Iraq by using Selection technique.	03:30-03:45
	BT06	In vitro embryo production from oocyte recovered from live and dead Iraqi black goat: A preliminary study	03:45-04:00

Session 2 (UoF- El-Razi Hall) Workshop Code: BT

Biotechnology Applications: Agriculture biotechnology			
Session Chairs: Prof. Muthana A. Al-Noori, Assist.Prof. Hareth Kamel			
Time Duration 02:30-04:00	Paper ID	Title	Time
	BT01	Stimulation of LOS5/ABA3 and Antioxidant enzymes of half diallel crosses of maize under Water Stress conditions	02:30-02:45
	BT02	Response of caraway (Carum carvi L.) plants to organic manures in replacement of chemical fertilization	02:45-03:00
	BT03	Effect Of Collection Methods On Oocyte Recovery Rate In Sheep	03:00-03:15
	BT04	Green synthesis of silver nanoparticles using aqueous leaf extract of Lemon balm (Melissa officinalis) and its antibacterial activity	03:15-03:30
	BT05	Green Synthesis of CdO Nanoparticles by Olive Leaf Extract and investigate as antifungal and antimicrobial	03:30-03:45
	BT06	A Novel Synthesis and Antimicrobial Evaluation of S-Containing Heterocyclic Derivatives from 2,6-Bis(furan-2-ylmethylidene)cyclohexanone	03:45-04:00

Total paper=12

Scientific Posters



International Biotechnology Workshop (Scientific Posters)

Place	Author (s)	Title
Enlil Hall 14 papers	Marwa Sh. Mahmood, Rand M. Abd Al-Rhman, Haifa N. Mater	Enhancement of pyocyanin production by <i>Pseudomonas aeruginosa</i> using biotic and abiotic factors
	Ali Hafeedh Abbas, Faiq Isha Gorial, Mohammed Hadi Al-Osami, Ali Hussein Ad'hiah, Alice Krekor Melconian	The etiological role of <i>Chlamydia pneumoniae</i> and <i>Mycoplasma pneumoniae</i> infections in systemic lupus erythematosus of Iraqi female patients
	Alaa Younus , Saife Al-Ahmer , MajidJabir	Evaluation of some immunological markers in children with bacterial meningitis caused by <i>Streptococcus pneumoniae</i>
	Alugaili Dhafar N. , Mhawesh Ahmed A. , Mohsien Rana A.	Antimicrobial and Synergistic Activity of Date palm pits Extract (<i>Phoenix dactylifera</i> L.) Against Pathogenic Bacterial Isolates
	Alobaidi Khalid H. , Mohammad Farooq I. , Hassan Mays F. , Hamad MohammedA.	Anti-Tumor Activity of <i>Phoenix dactylifera</i> L. Pit Extracts Against Hela and L20B cell lines
	Rawaa AlChalabi, Dania Omer, Basma Khalid, Hayder AlAmery	Study the correlation between several biochemical parameters and UTIs with progression of BPH
	Ahmed Nazhan Jassim, Ahmed Majeed Al-Shammarie, and Abd Al-Hameed Hammoody	Antiviral activity of Arctigenin against Newcastle Disease virus in Vitro
	Hadeel T. AL_Barrak, Harb A. Mohammed	Studying Genetic Polymorphism and Effect of Geographic Site in Dubas bug (<i>Ommatissus lybicus</i>) by Using RAPD Technique
	Waleed Abdulkadhim , Majid Jabir , Uday Nayef	A study of kidney parameters in mice induces by super magnetic Fe ₃ O ₄ nanoparticles capped with PEG
	Maysoon Mohammad Najeeb Mohammad Saleem	Synthesis of silver nanoparticles using stick sweet cherry extract <i>Prunus</i> (SP and evaluation of their biological activities and effect on some biochemical marker.
	Jalal N. Jeber, Raed F. Hassan, Mohammad K. Hammood	Solid Phase Extraction of Theophylline in Aqueous Solutions by Modified Magnetic Iron Oxide Nanoparticles as an Extractor Material and Spectrophotometry Technique for the Determination
	Dr.Ahmed Sa'adi Hassan and Dr. Ahlam Marouf Al-Azawi	Synthesis and Antimicrobial Screening of New Sifonamid Bearing Pharmacologically Active Components
	Malik H. Alaloosh Alamri, Sadeem Subhi Abed and Abdulkareem M. A. Alsammarraie	Determination of clonazepam in pharmaceutical formulations by reverse flow injection coupled with two different solid-phase reactors containing FePO ₄ or nanoparticles of PbO ₂ immobilized
	Mohammed Jasim M. Hassan	DLLME-spectrophotometric determination of metoclopramide in various samples

Ishtar Hall 14 papers	Abeer M. Abdul Ameer, Muthanna J. Ahmed	Adsorptive Study for a Mixture of (4-chlorophenol, 4-aminophenol and phenol) from Aqueous Solution onto Tire Char in Fixed-Bed Column
	Aseel H. Abad Al-Ameer	Synthesis and Characterization of New Complexes of 2- (Benzo[d]Thiazol-2-ylAmino)-2-(5-Chloro-2-Hydroxy Phenyl) Acetonitrile Liganl with Some Divalent Transition Metal Ions
	Al-Amery Mohammed H. A., Nathera Najm Abdullah and and Hamed Ahmed S.	Synthesis, characterization and antibacterial studies of new complexes of 2-(4-Chlorophenyl)-2-[(2,4-Dimethyl- phenyl)amino]acetonitrilewith some metal ions
	Taghried A. Salman, Ma- yasa I. Ali	Eriochrome Black T Dye Adsorption onto Natural and Modified Orange Peel
	Alkinani Aymen Abdulsattar, Zainulabdeen Jwan Abdul- mohsin, Salman Husam Ali	Influence of arginase activity with some oxidative stress parameters in Iraqi vitiligo patients
	Dheyaa M. Qasim , Yasser I. Abdul-Aziz , Ziad T. Alismaeel	Biodiesel From Fresh And Waste Sunflower Oil Using Calcium Oxide Catalyst Synthesized From Local Limestone
	Nisreen Kais Abood, Moham- med Jasim M Hassan, and Muneer.A.AL-Daamy	Determination of phenolic drugs and their formulations via various analytical methods.
	Radwan A. Alnajjar, Otman O. Dakhil, Taiseer AK. Saleh and Ahab L. Elgahni	Conformational analysis of N2F4 Inside C60 and C80 Fullerenes
	Abbas M. AL-Ammari ,M. J. Muhaidi	Detection of Substitution Mutations of Malassezia furfur Isolated from Iraqi Immunocompetent and Immunocompromised Patients with Seborrheic Dermatitis
	Anmar Sael Hussein, Mo- hammed A. Hamad, Suha Maher Abed, Ghufra Mu- hammed Hassan	Detection of Gliotoxin as virulence factors in Aspergillus fumigatus
	Eiman T. Alshammery, Oth- man I. Alajrawy, Shakir F. Tulaib	Synthesis, characterization of vanadium (IV) and (V) complexes with 2,2'-bipyridine ligand
	Mohammed A. AL.Hamdany, Samra H. Hamad, Amara H. Hamad and Jalal N. Hus- sein	Analytical and Biogeochemical Studies of Gallbladder Stones of Patients in Baghdad Hospitals
	Dr. Ahmed Sa'adi Hassan, Ahmed Solaiman Hamed	Study of antimicrobial activity of new prepared seven membered rings (Oxazepine)
	Mohammed A. AL.Hamdany, Samra H. Hamad, Basa,d A. Hussain	A New Computational Technique to Restriction the Optimal Method for Zinc Determination in a Biological Sample Using Simplex Optimization Method.

Total 28 posters