



**May  
08-10,  
2023**

**“To Present and Exchange Innovative Viable Ideas Relating to the Basic and Applied Sciences”**

**9th ICOWOBAS CONFERENCE**

# PROGRAM FLOW

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**9TH ICOWOBAS-2023 PROGRAM FLOW**

Date	Event	Time	Event title	Event Program		
<b>08.05.2023 MORNING</b>	<b>OPENING CEREMONY</b>	8:30--	Registration	<p align="center"><b>Speaker and participant registration</b></p> <p>Welcome speech by the Host: <b>Mr. David Wafula Waswa</b></p> <p>Iraqi and Kurdistan Anthem</p> <p>Brief info about the conference by Host, <b>Mr. David Wafula Waswa</b></p> <p>TIU, SUE, UTM, UNAIR Universities Advertisemnet Videos</p> <p>Welcome speech by <b>Asst. Prof. Dr. Idris Hadi</b>, Head of Board of Trustees, Tishk International Universities</p> <p>Welcome speech by <b>Asst. Prof. Dr. Kamaran Younis M. Amin</b>, President of Salahaddin University-Erbil</p> <p>Welcome speech by <b>Prof. ChM. Dr. Zaiton Abdul Majid</b>, Representative of UTM</p> <p>Welcome speech by <b>Prof. Dr. Eridani Eridani</b>, Representative of UNAIR</p> <p>Welcome Remarks of <b>Ministry of Higher Education Representative</b></p> <p>Certificate to the Honorary committee members:  <b>Asst. Prof. Dr. Idris Hadi Salih</b>, Head of Board of Trustees, Tishk International University, Erbil, Iraq.  <b>Asst. Prof. Dr. Kamaran Younis M. Amin</b>, President, Salahaddin University-Erbil, Iraq  <b>Asst. Prof. Dr. Abdulsamad S. Ahmad</b>, President, Tishk International University, Erbil, Iraq.  <b>Prof. Datuk Ir. Ts. Dr. Ahmad Fauzi bin Ismail</b>, Vice Chancellor, Universiti Teknologi Malaysia, Malaysia  <b>Prof. Dr. Mohammad Nasih, SE., MT., Ak.,</b> President, Universitas Airlangga, Indonesia.</p> <p>Welcome speech of <b>Asst. Prof. Dr. Mehmet Ozdemir</b>, Conference Chair</p> <p>Welcome Remarks of <b>Prof. Dr. Suhairul Hashim</b>, UTM journals representative</p> <p>Welcome Remarks of <b>Prof. Dr. Sattar B. Sadkhan</b>, IEEE Iraqi Section representative</p> <p>Acknowledgement to the sponsor companies, <b>LG, DAS, DEDEMAN, IEEE Iraqi Section, and Harlem Cars</b></p> <p>Certificate to the core organizing committee members:  Chairman: <b>Asst. Prof. Dr. Mehmet Ozdemir</b>, Tishk International University, Erbil, Iraq  Vice chairman:  <b>Asst. Prof. Dr. Hewa Y. Abdullah</b>, Tishk International University, Erbil, Iraq  <b>Dr. Orhan Tug</b>, Tishk International University, Erbil, Iraq  <b>Mr. Harmand Ali</b>, Tishk International University, Erbil, Iraq  <b>Asst. Prof. Dr. Herish Omer</b>, Salahaddin University,-Erbil, Iraq  <b>Assoc. Prof. ChM Dr. Zaiton binti Abdul Majid</b>, UTM, Malaysia  <b>Prof. Dr. Moh. Yasin</b>, UNAIR, Indonesia  Conference Secretary: <b>Mr. Chenar Abdulla</b>, Tishk International University, Erbil, Iraq  <b>Mr. Zanyar Othman</b>, Tishk International University, Erbil, Iraq  <b>Mr. Rozgar Yousif</b>, Salahaddin University-Erbil, Iraq</p> <p>Inviting the session Chair to the stage for Keynote invitation.</p>		
		09:30-11:00	<b>DEDEMAN HOTEL - HALL 1 Opening Ceremony</b>			
		11:00-11:30	Keynote Speech 1	Session Chair: <b>Asst. Prof. Dr. Zana Rafiq Majeed</b>	<b>Hesham A. El Enshasy</b> , Professor, Bioprocess Engineering, University Technology Malaysia (UTM), Malaysia. Title: "Biotechnology Translational Research: Development of Socioeconomic Platform for Food Security, Human Health, and Environmental Sustainability."	
		11:30-12:00	Keynote Speech 2	Session Chair: <b>Asst. Prof. Dr. Abbas Burhan Salihi</b>	<b>Kazimierz Strzalka</b> , Professor, Molecular Biology, Jagiellonian University, Poland Title: "Molecular mechanism of the xanthophyll cycle in plants - the role of non-lamellar lipids"	
		12:00-13:30	<b>Lunch Break (DEDEMAN Hotel Restaurant)</b>			

<b>MATHEMATICS WORKSHOP</b>	13:30-13:35	<b>HALL-1: 2nd International Workshop on Global Contributions of Mathematical Sciences: Fractional calculus, theories and its interdisciplinary applications</b>	Welcome speech by the Host: <b>Mr. David Wafula Waswa</b>	
	13:40-14:10		Session Chair: <b>Prof. Dr. Mowafaq Muhammed</b>	<b>Prof. Dr. Dumitru Baleanu</b> , Department of Mathematics, Cankaya University, Ankara, Turkey Title: "Classification of the fractional operators: A point of view"
	14:10-14:40			<b>Prof. Dr. Abedallah Rababah</b> , Department of Mathematical Science, College of Science, United Arab Emirates University, 15551 AL AIN, U.A.E Title: "Degree Reduction of Bézier curves with Geometric Conditions"
	14:40-14:50		Coffee Break	
	14:50-15:20		Session Chair: <b>Asst. Prof. Dr. Younis Sabawi</b>	<b>Assist. Prof. Dr. Salisu Ibrahim</b> , Department of Mathematics Education, Tishk International University-Erbil, Kurdistan Region, Iraq Title: "Application of Fractional Calculus in Science and Engineering."
	15:20-15:50			<b>Assist. Prof. Dr. Abdulnasir Isah</b> , Department of Mathematics Education, Tishk International University-Erbil, Kurdistan Region, Iraq Title: "On Operational matrices of fractional order derivative and integration"
<b>PHYSICS WORKSHOP</b>	13:30-13:35	<b>HALL-2: International Workshop on Green Technology: Prospects, Theories and Applications</b>	Welcome speech by the Host: <b>Mr. Sivar Aziz Baiz</b>	
	13:40-14:10		Session Chair: <b>Dr. Muhammad Hisham</b>	<b>Assoc. Prof. Dr. Nicola Manini</b> , University degli Studi di Milano, Milano, Italy Title: "Classical simulations of sliding interfaces: the interplay of structure"
	14:10-14:40			<b>Assoc. Prof. Dr. Azeez A. Barzinjy</b> , Department of Physics Education, Tishk International University, Erbil-Iraq Title: "Eutectic-based ionic liquids: a novel medium for synthesizing metal and metal nanoparticles"
	14:40-14:50		Coffee Break	
	14:50-15:20		Session Chair: <b>Dr. Muhammad Hisham</b>	<b>Prof. Dr. Samir Mustafa Hamad</b> , Scientific Research Centre, Soran University, Soran, Kurdistan-Region, 44008, Iraq Title: "Effect of the growth solution on optical properties of ZnO thin films grown by green method for the design ZnO/NiO junction"
	<b>BIOLOGY WORKSHOP</b>		13:30-13:35	<b>HALL-3: 2nd International Workshop on Biologics and biomedical Sciences: Biomedical engineering and its role in biological advances</b>
13:40-14:10		Session Chair: <b>Ms. Sawsan S. Al- Rawi</b>	<b>Prof. Dr. Abdulkarim Yassin Karim</b> , Department of Biology, College of Science, Salahaddin Univesity-Erbil. Title: "Shiga Toxin B Subunit as a targeting moiety for intracellular drug delivery"	
14:10-14:40			<b>Prof. Dr. Hesham A. El Enshasy</b> , Faculty of Chemical Engineering and Energy, Institute of Bioproducts Development, University Technology Malaysia (UTM). Title: "Natural Antiinfectives: Toward a Sustainable New Strategy Against Microbial Pathogens"	
14:40-14:50		Coffee Break		
14:50-15:20				
<b>COMPUTER WORKSHOP</b>		13:30-13:35	<b>HALL-4: 1st International Workshop on IoT Security</b>	
	13:40-14:10	Session Chair: <b>Ms.Narmeen Muhamad</b>		<b>Dr. Aminu Usman</b> , Associate Head Computer and Data Science York St John University, Yor, UK Title: "IoT Security: Emerging Security Challenges of Multiprotocol IoT Gateways"
	14:10-14:40	Session Chair: <b>Ms.Slvar Abdulazeez</b>		<b>Assoc. Prof. Dr. Govand Salih Kadir</b> , Assistant professor in Computer Engineering department, University of Kurdistan Hewler (UKH), Erbil, Kurdistan Region, Iraq. Title: "The future of cyber-Security with the emergence of IoT"
	14:40-14:50	Coffee Break		
<b>ENVIRONMENT WORKSHOP</b>	13:30-13:35	<b>HALL-5: Planet Earth and Contemporary Environmental Issues</b>	Welcome speech by the Host: <b>Assoc. Prof. Dr. Hassan Hassoon</b>	
	13:40-14:10		Session Chair: <b>Assoc. Prof. Dr. Hassan Hassoon</b>	<b>Prof. Dr. Salih Mohammad Awadh</b> , University of Baghdad- Iraq <b>Prof. Dr. Ayad Al-Quraishi</b> , Professor, Petroleum and Mining Dept./ Faculty of Engineering Tishk International University Erbil KRG Iraq Title: "Remote sensing & GIS applications for environmental monitoring"
	14:10-14:40			
	14:40-14:50		Coffee Break	
	14:50-15:20		Session Chair: <b>Assoc. Prof. Dr. Hassan Hassoon</b>	<b>Asst. Prof. Dr. Dilshad Ganjo</b> , Salaheddin University Erbil KRG Iraq Title: "Climate change & Environmental Consequences. Finding innovative solutions for water scarcity in Iraq (Education, Innovative & Transform): because Water is a Human Right."
	15:20-15:50			
	16:00-17:00	Closing Ceremony of Workshops: Certification of workshop participants and main org committee members		

**9TH ICOWOBAS 2023 2nd DAY PROGRAM (BIOLOGY AND BIOMEDICAL SCIENCES)**

Time	Event title		Event Program			
8:30--	Registration		Education Faculty Entrance			
09:30-10:30	Hall:302 Opening Ceremony	Welcome speech by the Host: <b>Mr. David Wafula Waswa</b>				
		Brief info about the conference by Host: <b>Mr. David Wafula Waswa</b>				
		Welcome speech by TIU president: <b>Asst. Prof. Dr. Abdulsamad S. Ahmad</b>				
		Certification of conference organizing committee members				
10:30-11:15	Keynote Speech Hall: 302 Session Chair: <b>Prof.Dr. Faiq H.S. Hussain</b>	<b>Nanik Siti Aminah, M.Si.</b> , Professor, Natural Product Chemistry, University Airlangga, Indonesia. Title: " <b>Phenolic Compounds from Indonesian Medicinal Plants: Small Molecules with Great Activities</b> "				
11:15-11:30	Coffee Break					
11:30-12:00	Parallel Keynote Speeches HALL:302 <b>Biology and Biomedical Sciences</b>	Session Chair: <b>Assist. Prof. Dr. Abdulrahman M. Dogara</b>	<b>Kazimierz Strzalka</b> , Professor, Molecular Biology, Jagiellonian University, Poland Title: ""			
12:00-13:00	Parallel Session 1  HALL:214 Session Chair: <b>Assist. Prof. Dr. Saber Wasman Hamad</b>	ICOWOBAS-001-Biology	<b>Muhannad Abdullah Al-Azzawy</b>	PCR detection of antibiotic resistance genes of <i>E. faecalis</i> isolated from covid-19 with mild to moderate infection in Kirkuk city		
		ICOWOBAS-002-Biology	<b>Suryani Dyah Astuti</b>	The Effect of Ozone Exposure to Extend The Shelf Life of Carrots ( <i>Daucus carrota L.</i> ) Against Vitamin C Levels and Hardness		
		ICOWOBAS-003-Biology	<b>Firli Rahmah Primula Dewi</b>	Anti-Metastatic Effect of Nanodiamond-conjugated Quercetin Against Colon Cancer: In Vivo Study		
		ICOWOBAS-004-Biology	<b>Zahraa Abd Al Razaq</b>	Antimicrobial Activity of <i>Hibiscus sadbariffa var. sadbariffa L.</i> and <i>Brassica oleracea var. italica L.</i> Extracts Against Bacteria Which Isolated from Different Sources		
	HALL:215 Session Chair: <b>Assist. Prof. Dr. Mohammed Yousif Merza</b>	ICOWOBAS-032-Biology	<b>Heshu J. Ahmed</b>	Molecular Characterization of Carbapenem resistant <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> in Erbil, Iraq		
		ICOWOBAS-034-Biology	<b>Ahmad Hamdy Ibrahim</b>	Evaluation of Medium-chain Fatty Acids, Such as Caprylic Acid and Capric Acid, Showed Distinctive Peaks in the FT-IR Spectra of Fermented Virgin Coconut Oil, Which Reduced the Median Lethal Dose in Sprague Dawley Rats.		
		ICOWOBAS-036-Biology	<b>Abbas Al-Janabi</b>	Aspergillosis in mouth cavity among patients with immunocompromised diseases		
		ICOWOBAS-038-Biology	<b>Walaa A.Salih</b>	Synthesis and Characterization of Nanoparticles by Laser-Ablation for Biomedical Applications		
	13:00-14:30	Lunch Break:TIU Restaurant				
	14:30-16:00	Parallel Session 2  HALL:214 Session Chair: <b>Ms. Zhikal O. Khudhur</b>	ICOWOBAS-005-Biology	<b>Sugiharto Sugiharto</b>	Gynura procumbens adventitious roots extract on oxidative stress management	
ICOWOBAS-006-Biology			<b>Azhin Ali</b>	Histopathological Examination of Autopsy from Human Lung Infected by Coronavirus Disease 19		
ICOWOBAS-007-Biology			<b>Pary Hadi</b>	The Role of Antioxidants in Disease Prevention: A Review		
ICOWOBAS-008-Biology			<b>Azheen S. Abdulrahman</b>	Histological Alteration of Prostate Gland in Male Rats Induced by an Anti-Androgen Drug (Bicalutamide)		
ICOWOBAS-009-Biology			<b>Sevan Omer Majed</b>	Comparison of Antibody Levels Produced by Pfizer, AstraZeneca, and Sinopharm Vaccination in COVID-19 Patients in Erbil City-Iraq		
ICOWOBAS-010-Biology			<b>Abdulzaq Mohammed</b>	Evaluation of the Diagnostic Role of CD56 Immunohistochemistry alone and in combination with another marker in Differentiation of Thyroid Papillary Carcinoma from its Mimics		
HALL:215 Session Chair: <b>Dr. Trefa Salih Mohamad</b>		ICOWOBAS-025-Biology	<b>Harmand A. Hama</b>	Socioeconomic Status of Breast Cancer Patients in Erbil Kurdistan Region - Iraq		
		ICOWOBAS-026-Biology	<b>Ahmad M. Hussein</b>	Effect of mushroom <i>Agaricus bisporus</i> on the biodegradation of agricultural residues and the quality of the resulting compost		
		ICOWOBAS-027-Biology	<b>Sawsan S. Al- Rawi</b>	The prevalence of irritable bowel syndrome (IBS) and its association remarks on undergraduate students		
		ICOWOBAS-028-Biology	<b>Ahmad H. Ibrahim</b>	Evaluation of the Anticancer Activity of Limonene, Myristicin, and Caryophyllene Extracted from Agarwood ( <i>Aquilaria malaccensis</i> ) Using In Vitro and Insilico Study		
ICOWOBAS-029-Biology	<b>Mohammed Yousif Merza</b>	Anti-Moesin antibody regulates neutrophil infiltration and extravascular recruitment in mice with acute pancreatitis				
ICOWOBAS-030-Biology	<b>Mohammed Yousif Merza</b>	The Reduction of Anxiety DASS21in Diabetic Patients in Erbil –Kurdistan Region of Iraq				
16:00-16:15	Coffee Break					
16:15-17:00	Closing Ceremony of Day 2: Session chairs and the organizing committee certificates					
17:00-19:00	Closing Dinner with Guests					

**09.05.2023**

**9TH ICOWOBAS 2023 3rd DAY PROGRAM(BIOLOGY AND BIOMEDICAL SCIENCES)**

Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrance		
09:30-10:00	Hall:302 Opening Ceremony		Mr. David Wafula Waswa Certification of journal editors. Conference activities.		
11:00-12:30	Parallel Session 3	Hall: 214 Session Chair: Ms. Sawzan S. Al- Rawi	ICOWOBAS-012-Biology	Jaafaru Sani Mohammed	Phenolic-rich Fraction of <i>T. catappa</i> Fruits Altered Dopamine Levels and Upregulates Phase II Enzymes Gene Expression in <i>Drosophila melanogaster</i> Neurodegenerative Model
			ICOWOBAS-013-Biology	Zhikal Omar Khudhur	Lead acetate deteriorates the improvement effect of L-arginine and tetrahydrobiopterin on endothelin-1 receptors activity in rat aorta
			ICOWOBAS-014-Biology	Zaid AL-Hakkak	Evaluation Blood Pressure in Electric Generators Workers in Najaf City
			ICOWOBAS-015-Biology	Rozhya Abdulljalil Naser	Protective Role of <i>Sonchus oleraceus</i> Extract against Glyphosate Impact on Pituitary-Testes Axis in Rats
			ICOWOBAS-016-Biology	Noor Kamal Al-Qazzaz	Adaptive Enhancement on Noise Modeling in ECG-Based Signal Processing
	Hall: 215 Session Chair: Ms. Heshu J. Ahmad	ICOWOBAS-018-Biology	Javed Ahamad	Characterization of Volatile and Non-Volatile Constituents by GC-MS and ATR-FTIR, and Evaluation of Anticancer Activity of <i>Nigella sativa</i> Linn. Oil	
		ICOWOBAS-022-Biology	Ahmed Abduljabbar Jaloob Aljanaby	Interleukin 18 and Interleukin 22 as Important Immune Markers in Patients with Tuberculosis	
		ICOWOBAS-023-Biology	Ahmed Abduljabbar Jaloob Aljanaby	CD4 and CD20 as Important Immune Markers in Patients with Pulmonary Tuberculosis	
		ICOWOBAS-024-Biology	Raghad Nawaf Gergees	Antimicrobial & Antioxidant Activity of a novel Exopolysaccharide production by <i>Pseudomonas savastanoi</i> pv. <i>Savastanoi</i> bacterium isolated from olive knot	
		ICOWOBAS-039-Biology	Nihad Mutlag	Effect of Mushroom <i>Agaricus Bisporus</i> on the Biodegradation of Agricultural Residues and the Quality of the Resulting Compost	
ICOWOBAS-040-Biology	Feyan Mirdan Abdullah	Platelet activating factor concentration with C reactive protein biomarkers in patients with coronary atherosclerosis pre and post percutaneous coronary intervention			
12:30-14:00	Lunch Break:TIU Restaurant				
14:00-15:00	Parallel Session 4	Hall: 214 Session Chair: Prof. Dr. Ismail Mustafa Maulood	ICOWOBAS-042-Biology	Abdulrahman Mahmoud Dogara	Biological evaluation of <i>Acacia nilotica</i> (L.) Willd.ex Delile
			ICOWOBAS-043-Biology	Mohammed Rasul	Recent insight into the Role of Genetic Engineering in Incurable Diseases
			ICOWOBAS-044-Biology	Beriwan Abudulqadir Ali	Occurrence of multiple -drug resistance strains of bacteria in Erbil City, Iraq.
			ICOWOBAS-045-Biology	Subasini Uthirapathy	qRT- PCR based on SYBR-Green I fluorescence of anticancer, chemical characterization and antidiabetic properties of clove oil
	Hall: 215 Session Chair: Asst. Prof. Dr. Taban Kamal Rasheed	ICOWOBAS-017-Biology*	Manikya Pramudya	Fertilization and embryo development of goldfish ( <i>Cyprinus carpio</i> ) exposed to copper (Cu)	
		ICOWOBAS-019-Biology*	Nurul Aini	Effect Of Probiotic <i>Lactobacillus Casei</i> Fnc 0090 On Growth And Immune Response Of Catfish ( <i>Clarias Gariepinus</i> ) Infected With <i>Aeromonas Hydrophila</i>	
		ICOWOBAS-020-Biology*	Prihartini Widiyanti	Alginate-Chitosan Membrane As Physical Barrier For Anti Adhesion Of Intraoperative Organ Post Operation	
		ICOWOBAS-021-Biology*	Prihartini Widiyanti	In Vitro Study Of Poly (Ethylene Glycol) Dimethacrylate)-Nanofibrillated Cellulose For Herniated Nucleus Pulposus	
15:00-15:15	Coffee Break				
15:15-16:30	Parallel Session 5	Hall: 214 Session Chair: Asst. Prof. Dr. Hero Mohammad Ismael	ICOWOBAS-031-Biology*	Nesti F. Sianipar	SNP molecular markers development and annealing temperatures optimization for rodent tuber ( <i>Typhonium flagelliforme</i> lodd.) mutant plants
			ICOWOBAS-033-Biology*	Silvia Kurnia Sari	Antimicrobial potential of biosurfactant produced by <i>Achromobacter xylosoxidans</i> BP(1)5
			ICOWOBAS-041-Biology*	Ni'matuzahroh	Diversity of potential phosphate solubilizing bacteria in durian plantation, De Durian Park, Jombang, Indonesia
16:30-17:30	Closing Ceremony of Day 3: Best paper award, rest of organizing committee, and participant certificates.				
19:00--	Closing Dinner				

**10.05.2023**

**9TH ICOWOBAS 2023 2nd DAY PROGRAM (PURE AND APPLIED MATHEMATICS)**

Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrance		
09:30-10:30	Hall:302 Opening Ceremony		Welcome speech by the Host: <b>Mr. David Wafula Waswa</b>		
			Brief info about the conference by Host: <b>Mr. David Wafula Waswa</b>		
			Welcome speech by TIU president: <b>Asst. Prof. Dr. Abdulsamad S. Ahmad</b>		
			Certification of conference organizing committee members		
10:30-11:15	Keynote Speech Hall: 302 Session Chair: <b>Prof.Dr. Faiq H.S. Hussain</b>	<b>Nanik Siti Aminah, M.Si.</b> , Professor, Natural Product Chemistry, University Airlangga, Indonesia. Title: " <b>Phenolic Compounds from Indonesian Medicinal Plants: Small Molecules with Great Activities</b> "			
11:15-11:30	Coffee Break				
11:30-12:00	Parallel Keynote Speeches HALL:301 <b>Pure and Applied Mathematics and Statistics</b>	Session Chair: <b>Asst. Prof. Dr. Salisu Ibrahim</b>	<b>Prof. Dr. Abedallah Rababah</b> , Department of Mathematical Science, College of Science, United Arab Emirates University, 15551 AL AIN, U.A.E Title: " <b>Best Approximation of Circular Arcs of Degree Ten</b> "		
12:00-13:00	Parallel Session 1  HALL:203 Session Chair: <b>Asst. Prof. Dr. Abdunansir Isah</b>	ICOWOBAS-001-Math	<b>Younis A. Sabawi</b>	A Cubic B-Spline Finite Element Method of Volterra Integro-Differential Equation	
		ICOWOBAS-002-Math	<b>Bashar A. Al-Talib</b>	Robust algorithm for regression variables selection with simulation and application on thalassemia patient's data in Nineveh province	
		ICOWOBAS-013-Math	<b>Osamah Basheer Shukur</b>	Parameters Estimation of a Proposed Generalized Goel-Okumoto process	
		ICOWOBAS-028-Math	<b>Neam H. alfahady</b>	Solving linear differentiation equation system using fuzzy logic	
	HALL:206 Session Chair: <b>Prof. Dr. Mowafaq Muhammed</b>	ICOWOBAS-006-Math	<b>Mohammed Qasim Yahya Alawjar</b>	Using Coloring Method to assign the required tasks with application	
		ICOWOBAS-008-Math	<b>Osama Pirbal</b>	Nano connectedness via $S_C$ -open sets in nano topological spaces	
		ICOWOBAS-009-Math	<b>Osamah Basheer Shukur</b>	Using Kernel and Classification Tree Approaches for Classifying Relative Humidity Data	
		ICOWOBAS-010-Math	<b>Naam Salem Fadhil</b>	Comparing SVR and Random Forest Forecasting based on Autoregressive Time Series with Application	
13:00-14:30	Lunch Break:TIU Restaurant				
14:30-16:00	Parallel Session 2  HALL:203 Session Chair: <b>Asst. Prof. Dr. Younis Sabawi</b>	ICOWOBAS-003-Math	<b>Bashar A. Al-Talib</b>	Robustness Measures of Special Case of Huber M-estimator	
		ICOWOBAS-014-Math	<b>Sarah A. AL-Ameedee</b>	The Second Hankel Determinant of New Subclasses Functions	
		ICOWOBAS-015-Math	<b>Hero Salih</b>	Stability of the COVID_19 models as application of fractional differential equation	
		ICOWOBAS-016-Math	<b>Fatimah Abdulrazzaq Al Sultan</b>	Parameters Estimation of Power Law Process with an application	
		ICOWOBAS-019-Math	<b>Raghad Almohammed</b>	Too Intense in Cluster Topological Proximity Space	
		ICOWOBAS-020-Math	<b>Ahmadin Ahmadin</b>	Bilinear system classification and control design by input-output linearization method	
	HALL:206 Session Chair: <b>Asst. Prof. Dr. Waleed Hussain</b>	ICOWOBAS-021-Math	<b>Muzahem M. Al-Hashimi</b>	A Comparative Study of traditional methods and Machine Learning techniques for predicting Sunspot Numbers	
		ICOWOBAS-022-Math	<b>Fatmawati Fatmawati</b>	Model Order Reduction of Continuous Time Linear System Using Linear Matrix Inequality Method	
		ICOWOBAS-024-Math	<b>Heyam A.A.Hayawi</b>	Comparison of Dynamic models using Wavelet -Comparative Study	
		ICOWOBAS-025-Math	<b>Musa Mohammed Farhan</b>	Reliability estimation of the Lomax distribution under Ranked Set Sampling (RSS) with application	
		ICOWOBAS-026-Math	<b>Mohammed Khames Rasheeda</b>	Using Lasso Procedure for Variables Selection of Autoregressive Model for High Dimensional Time Series of Caenorhabditis Elegans Motion	
		ICOWOBAS-027-Math	<b>Omar Akram Malaaa,</b>	Comparison of CNN and SVM Approaches for Classifying Time Series of Caenorhabditis Elegans Motion	
		16:00-16:15	Coffee Break		
16:15-17:00	Closing Ceremony of Day 2: Session chairs and the organizing committee certificates				
17:00-19:00	Closing Dinner with Guests				

**09.05.2023**



**9TH ICOWOBAS 2023 3rd DAY PROGRAM (PURE AND APPLIED MATHEMATICS)**

Time	Event title	Event Program			
8:30--	Registration	Education Faculty Entrance			
09:30-10:00	Hall:302 Opening Ceremony	Mr. David Wafula Waswa Certification of journal editors. Conference activities.			
11:00-12:30	Parallel Session 3  Hall: 203 Session Chair: Asst. Prof. Dr. Sanhan M. Khasraw	ICOWOBAS-004-Math	Bashar A. Al-Talib	Robust Weighted Least Squares using different schemes of M-estimators (RWLSM), A comparative Study	
		ICOWOBAS-029-Math	Janat Y Rasheed	Dense And Nowhere Dense On Dual Soft Topological Space	
		ICOWOBAS-030-Math	Waleed Al-Hayani	Combining Laplace transform and Adomian decomposition method for solving singular IVPs of nonlinear Lane–Emden type equation	
		ICOWOBAS-031-Math	Sameer Q. Hassan	Stability of nonlinear m-perturbed Feedback Controls Systems	
		ICOWOBAS-032-Math	Samyia Khalid Hasan	A new Statistical Distance to Classify the Thalassemia Diseases in Erbil City	
		ICOWOBAS-053-Math	Eridan Eridani	Angle in normed spaces and their properties	
	Parallel Session 3  Hall: 206 Session Chair: Asst. Prof. Dr. Rashad Rashed Hagi	ICOWOBAS-034-Math	Azad Adil Shareef	Statistical Analysis of the Effects of Some Factors on the Vegetative Growth Characteristics of Limonium Sinuatum Plant	
		ICOWOBAS-035-Math	Hamid Mohamed Khalaf	Study of Relationship between Hamming bound and Perfect Code with new Examples	
		ICOWOBAS-036-Math	Rana Z. Al-Kawaz	Robust Hybrid Conjugate Gradient Methods for solving Unconstrained Optimization Methods	
		ICOWOBAS-044-Math	Abdulnaser Isah	Solution of Baglay-Torvik Equations Using Aboodh Integral Transform	
		ICOWOBAS-038-Math	Khalida Ali Saeed	Standard Training Dataset vs. Different Testing Datasets to Compare Deep Learning Architectures Models in Diagnosing COVID-19	
		ICOWOBAS-039-Math	Orhan Tug	On The New Hahn Sequence Spaces $h_{-\infty}, h^{(2)}$ , and $h(\lambda)$	
12:30-14:00	Lunch Break:TIU Restaurant				
14:00-15:00	Parallel Session 4  Hall: 203 Session Chair: Asst. Prof. Dr Khwezbeen Saïda Fatah	ICOWOBAS-041-Math	Ali Salman Abdulkadhim	Success Trees Technique to Evaluate System Reliability in Design	
		ICOWOBAS-040-Math	Orhan Tug	Four-Dimensional Forward Difference Matrix Domain in some Double Sequence Spaces	
		ICOWOBAS-042-Math	Hewa Hassan	Examine the Internet Addiction Scale of Students in Turkey and Iraq Comparatively with The Multivariate Adaptive Regression Splines (MARS) Method	
		ICOWOBAS-043-Math	Aziza Kavlu	Poor Academic Achievement in Mathematics at Secondary Schools, from the Teachers' Point of View, and Ways to Improve it through Data-Driven Teacher Training Programs	
	Parallel Session 4  Hall: 206 Session Chair: Dr. Andam Ali Mustafa	ICOWOBAS-050-Math	Dunia M.K. AL-Ftlawy	Strongly Fitting Shadowing Property for Hyperbolic Manifolds	
		ICOWOBAS-037-Math	Salisu Ibrahim	Solitary solution for nonlinear Schrodinger equation arising in optical fibers	
		ICOWOBAS-048-Math	Rabar Rasul	The Solitary Wave Solutions of the Nonlinear Benjamin-Mahony Equation	
		ICOWOBAS-052-Math	Bushra Ismail	The Riccati-Bernoulli Sub-ODE Method for Nonlinear Partial Differential Equations Arising in Water Waves	
15:00-15:15	Coffee Break				
15:15-16:30	Parallel Session 5  Hall: 203 Session Chair: Dr. Karzan Ahmed Berdawood	ICOWOBAS-046-Math	Chenar Abdulla	Numerical Treatment of Allen's Equation using Du-Fort Frankel Methods	
		ICOWOBAS-045-Math	Abdulnaser Isah	Solution of Brusselator System via Vitae Lucas Operational Matrix	
		ICOWOBAS-047-Math	Ahmad Najim Sheet Al-	Approximation of cumulative function for t-distribution	
		ICOWOBAS-051-Math	Rehab Noori Shala	Comparing between models with application	
		ICOWOBAS-049-Math	Asmaa Ayoob Yaqoob	Determine the efficiency of academic institutions using Data Envelopment Analysis	
		ICOWOBAS-033-Math*	Mukhtar Junaid	Uniform transverse magnetic field effect on Newtonian Poiseuille flow with slip and non-zero slip yield stress in a planar channel	
16:30-17:30	Closing Ceremony of Day 3: Rest of organizing committee, and participant certificates.				
19:00--	Closing Dinner				

**10.05.2023**

## 9TH ICOWOBAS 2023 2nd DAY PROGRAM(CHEMISTRY AND CHEMICAL ENGINEERING)

Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrance		
09:30-10:30	Hall:302 Opening Ceremony		Welcome speech by the Host: <b>Mr. David Wafula Waswa</b>		
			Brief info about the conference by Host: <b>Mr. David Wafula Waswa</b>		
			Welcome speech by TIU president: <b>Asst. Prof. Dr. Abdulsamad S. Ahmad</b>		
			Certification of conference organizing committee members		
10:30-11:15	Keynote Speech Hall: 302 Session Chair: <b>Prof.Dr. Faiq H.S. Hussain</b>	<b>Nanik Siti Aminah, M.Si.</b> , Professor, Natural Product Chemistry, University Airlangga, Indonesia. Title: " <b>Phenolic Compounds from Indonesian Medicinal Plants: Small Molecules with Great Activities</b> "			
11:15-11:30	<b>Coffee Break</b>				
11:30-12:00	Parallel Keynote Speeches HALL:207 <b>Chemistry and Chemical Engineering</b>	Session Chair: <b>Prof. Dr. Javet Ahamad</b>	<b>Sook Mei Khor</b> , Associate Professor, Biosensors, University Malaya, Malaysia. Title: " <b>Rapid Screening of Targets for Early Diagnosis of Lifestyle Diseases</b> "		
12:00-13:00	Parallel Session 1	HALL:207 Session Chair: <b>Prof. Dr. Omji Porwal</b>	ICOWOBAS-001- Chemistry	<b>Alan Yaseen Taher</b>	<b>An overview of the function and health properties of probiotic bacteria in yogurt</b>
			ICOWOBAS-002- Chemistry	<b>Miratul Khasanah</b>	<b>Development and application of imprinted zeolite TS-1 modified carbon paste electrode as a sensor for amitriptyline analysis by potentiometry</b>
			ICOWOBAS-003- Chemistry	<b>Hartati Hartati</b>	<b>Multi-Stage hydrothermal synthesis of hierarchical amorphous aluminosilicate</b>
			ICOWOBAS-004- Chemistry	<b>Yanuardi Raharjo</b>	<b>Development of Imprinted Zeolite for Indoxyl Sulfate Uremic Toxins Removal in Hemoperfusion System</b>
13:00-14:30	<b>Lunch Break:TIU Restaurant</b>				
14:30-16:00	Parallel Session 2	HALL:207 Session Chair: <b>Prof. Dr. Sharad Visht</b>	ICOWOBAS-005- Chemistry	<b>Kamal Mustafa Mahmoud</b>	<b>Development of Imprinted Zeolite for Indoxyl Sulfate Uremic Toxins Removal in Hemoperfusion System</b>
			ICOWOBAS-006- Chemistry	<b>Alfinda Novi Kristanti</b>	<b>Three alkaloids from Casimiroa edulis</b>
			ICOWOBAS-009- Chemistry	<b>Angham Sami Hamzah</b>	<b>A Review of Peroxi-Electrocoagulation Removal of Different Pollutants from Wastewater</b>
			ICOWOBAS-010- Chemistry	<b>Kasim Mohammed Hello</b>	<b>Pyridine sulfonic acid for cellulose and glucose hydrolysis</b>
			ICOWOBAS-011- Chemistry	<b>Zaiton Abdul Majid</b>	<b>Effect of bleaching concentration on the crystallinity and crystallite size properties of microcrystalline cellulose extracted from PDMS-coated wastepaper</b>
16:00-16:15	<b>Coffee Break</b>				
16:15-17:00	<b>Closing Ceremony of Day 2: Session chairs and the organizing committee certificates</b>				
17:00-19:00	<b>Closing Dinner with Guests</b>				

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## 9TH ICOWOBAS 2023 3rd DAY PROGRAM(CHEMISTRY AND CHEMICAL ENGINEERING)

Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrance		
09:30-10:00	Hall:302 Opening Ceremony		Mr. David Wafula Waswa Certification of journal editors. Conference activities.		
11:00-12:30	Parallel Session 3	Hall: 207 Session Chair: Prof. Dr. Hassan Hadi Abdallah	ICOWOBAS-012- Chemistry	Shameran J. Salih	Synthesis and characterization of Mg-Zn nanoferrites flavonoids fabricated: an advanced multifunction hybrid nanocomposite for biomedical application
			ICOWOBAS-013- Chemistry	Maria Ulfa	Ni-Co and Fe-Co bimetallic catalyst supported on mesoporous carbon and its application in methylene blue photodegradation
			ICOWOBAS-014- Chemistry	Yahya F. Al-Khafaji	Ring opening polymerization of new Schiff base complexes derived from [Bis-(2,6 diisopropylaniline) furfural and 2,2/-oxydianiline
			ICOWOBAS-015- Chemistry	Mohammed Ali Abdulrehman	A Study Of Non-Destructive Tests Of Geopolymer Sifcon Concrete Formed From Fly Ash As A Binder
			ICOWOBAS-016- Chemistry	Zeena Z. Al Abdali	Spectrophotometric determination of amisulpride in tablets by diazotization coupling reactions
12:30-14:00	Lunch Break:TIU Restaurant				
14:00-15:00	Parallel Session 4	Hall: 207 Session Chair: Prof. Dr Kamal Mustafa Mahmoud	ICOWOBAS-017- Chemistry	Ahlam Hussein Hassan	The theoretical investigation by QTAIM approach to chemical bonding of a di-rhenium bis(triphenylphosphine) carbonyl cluster containing sulfuric and hydrido bridge: $[\text{Re}_2(\text{CO})_6(\mu\text{-S})(\mu\text{-H})(\text{PPh}_3)_2]$
			ICOWOBAS-018- Chemistry	Dina Ahmed	Synthesis and characterization of PMMA/TiO <sub>2</sub> Nanoparticles and their use as filler in dental composites
			ICOWOBAS-020- Chemistry	Rafah Razooq Hameed Al-Samarrai	Incidence of vitamin D deficiency among thyroid patients
			ICOWOBAS-007- Chemistry*	Mohammad R. Alrbaihat	Catalytic transformations based on a Continuous flow mechanochemistry: Future Prospective
			ICOWOBAS-019- Chemistry*	Fredina Destyorini	Utilization of Indonesian biomass waste as a sustainable anode material in lithium-ion batteries to contribute in reducing CO <sub>2</sub> emissions
16:30-17:30	Closing Ceremony of Day 3: Best paper award, rest of organizing committee, and participant certificates.				
19:00--	Closing Dinner				

**9TH ICOWOBAS 2023 2nd DAY PROGRAM (PURE AND APPLIED PHYSICS)**

**09.05.2023**

Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrance		
09:30-10:30	Hall:302 Opening Ceremony		Welcome speech by the Host: <b>Mr. David Wafula Waswa</b>		
			Brief info about the conference by Host: <b>Mr. David Wafula Waswa</b>		
			Welcome speech by TIU president: <b>Asst. Prof. Dr. Abdulsamad S. Ahmad</b>		
			Certification of conference organizing committee members		
10:30-11:15	Keynote Speech Hall: 302 Session Chair: <b>Prof.Dr. Faiq H.S. Hussain</b>	<b>Nanik Siti Aminah, M.Si.</b> , Professor, Natural Product Chemistry, University Airlangga, Indonesia. Title: " <b>Phenolic Compounds from Indonesian Medicinal Plants: Small Molecules with Great Activities</b> "			
11:15-11:30	Coffee Break				
11:30-12:00	Parallel Keynote Speeches HALL: 205 <b>Pure and Applied Physics.</b>	Session Chair: <b>Assoc. Prof. Dr. Azeez Abdullah Barzinjy</b>	<b>Suhairul Hashim</b> , Professor, Medical Physics, Universiti Teknologi Malaysia, Malaysia. Title: " <b>Revolutionizing Radiation Detection: The Wireless Transmission System for Portal Monitoring</b> "		
12:00-13:00	Parallel Session 1	HALL:205 Session Chair: <b>Assoc. Prof. Dr. Azeez Abdullah Barzinjy</b>	ICOWOBAS-001-PHYS	<b>Aven M. Hamedamen</b>	Period variation of AD And Algol Binary Stars
			ICOWOBAS-002-PHYS	<b>Halmat J.Hassan</b>	Radioactivity Concentration and Effective Dose Assessment of Various Imported Walnut Consumed in Kurdistan-Iraq
			ICOWOBAS-003-PHYS	<b>Ain Khusnul</b>	Electrical Impedance Spectroscopy as Candidate Tools to Detect Bone Fracture
			ICOWOBAS-004-PHYS	<b>Sapuan Imam</b>	Design And Development of Stroke Volume Measurement Using Impedance Cardiography
13:00-14:30	Lunch Break:TIU Restaurant				
14:30-16:00	Parallel Session 2	HALL:205 Session Chair: <b>Prof. Dr. Ismail Musa</b>	ICOWOBAS-006-PHYS	<b>Retna Apsari</b>	Optimizing infrared laser exposure for in vitro breast cancer photodynamic therapy with gold nanoparticles photosensitizer
			ICOWOBAS-007-PHYS	<b>Aso O. Abdulla</b>	Radiation Exposure and Potential Health Risks Associated with Consumption of Lo Salt in Kurdistan Region-Iraq
			ICOWOBAS-019-PHYS	<b>Kadhim Resan</b>	A Study of the mechanical properties of a new flexible keel prosthetic foot materials
			ICOWOBAS-009-PHYS	<b>Nuril Ukhrowiyah</b>	The Synthesis of Anomalous Breast Phantom for Continuous Wave Diffuse Optical Tomography System
16:00-16:15	Coffee Break				
16:15-17:00	Closing Ceremony of Day 2: Session chairs and the organizing committee certificates				
17:00-19:00	Closing Dinner with Guests				

**9TH ICOWOBAS 2023 3rd DAY PROGRAM (PURE AND APPLIED PHYSICS)**

**10.05.2023**

Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrance		
09:30-10:00	Hall:302 Opening Ceremony		Mr. David Wafula Waswa Certification of journal editors. Conference activities.		
11:00-12:30	Parallel Session 3	Hall: 205 Session Chair: Dr. Muhammed Hisham	ICOWOBAS-018-PHYS	Sivar Aziz	Role of Ti Additions in Modifying Thermal and Structural Properties of High Temperature Cu-Al-Ti Shape Memory Alloys
			ICOWOBAS-011-PHYS	Hind Fadhil Oleiwi	TiO <sub>2</sub> nanorod for Gas Sensor Application Prepared Using Hydrothermal Technique: Effect of Reaction Duration
			ICOWOBAS-012-PHYS	Aseel J. Rahma	Structural, Morphological and Optical Properties of Reactive DC Magnetron sputtering NiO Nanostructure: Effect of annealing Time
			ICOWOBAS-013-PHYS	Ismail Musa Murad	Third body perturbation effect on GPS satellite
			ICOWOBAS-015-PHYS	Murtadha H. Hassan	Theoretical Study of Titanium Metal Clusters Suggested as Catalysts For Polymerization Reactions
12:30-14:00	Lunch Break:TIU Restaurant				
14:00-15:00	Parallel Session 4	Hall: 205 Session Chair: Mr. Sivar Aziz Baiz	ICOWOBAS-016-PHYS	Ismail Musa Murad	Light pollution and astronomy
			ICOWOBAS-017-PHYS	Nibras Mossa Umran	Theoretical investigation of the effect of encapsulation (Si & Ge) in fullerene (C <sub>60</sub> ) molecule: a DFT
			ICOWOBAS-010-PHYS*	Erwin Sutanto	Electrical Leakage Current Measurement Possibility Utilizing Faraday Effect with Lengthly Fiber Optics
			ICOWOBAS-008-PHYS*	Mehboob Nagarbawdi	Annealing effect on window layer CdS thin films
16:30-17:30	Closing Ceremony of Day 3: Best paper award, rest of organizing committee, and participant certificates.				
19:00--	Closing Dinner				

9TH ICOWOBAS 2023 2nd DAY PROGRAM(COMPUTER AND DATA SCIENCES)					
Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrence		
09:30-10:30	Hall:302 Opening Ceremony		Welcome speech by the Host: <b>Mr. David Wafula Waswa</b>		
			Brief info about the conference by Host: <b>Mr. David Wafula Waswa</b>		
			Welcome speech by TIU president: <b>Asst. Prof. Dr. Abdulsamad S. Ahmad</b>		
			Certification of conference organizing committee members		
10:30-11:15	Keynote Speech Hall: 302 Session Chair: <b>Prof. Dr. Faiq H.S. Hussain</b>		<b>Nanik Siti Aminah, M.Si.</b> , Professor, Natural Product Chemistry, University Airlangga, Indonesia. Title: " <b>Phenolic Compounds from Indonesian Medicinal Plants: Small Molecules with Great Activities</b> "		
11:15-11:30	Coffee Break				
11:30-12:00	Parallel Keynote Speeches HALL:208 Computer and Data Science.		Session Chair: <b>Ms. Slvar Abdulazeez</b>	<b>Asst. Prof. Dr. Aminu Usman</b> , Network Security, York St John University, UK Title: " <b>Toward building a Low-cost IoT-based Realtime System for Remote Monitoring of Sensitive Facilities.</b> "	
12:00-13:00	Parallel Session 1	HALL:208 Session Chair: <b>Ms. Narmin Mohammed Noori</b>	ICOWOBAS-001-COMP	<b>Abd Abraham Mossлах</b>	<b>Improving Compression Methods For Medical Image Databases Based On MIN-MAX</b>
			ICOWOBAS-003-COMP	<b>Togzhan Nurtayeva</b>	<b>The influence of ChatGPT and AI tools on the academic performance</b>
			ICOWOBAS-004-COMP	<b>Rimuljo Hendradi</b>	<b>Stroke prediction analysis of imbalanced data based on machine learning methods</b>
			ICOWOBAS-005-COMP	<b>Mustafa S. Ibrahim</b>	<b>An Assessment Of Random Forest And Decision Tree Techniques In Detecting Distributed Denial Of Service (DDOS) Attacks</b>
13:00-14:30	Lunch Break:TIU Restaurant				
14:30-16:00	Parallel Session 2	HALL:208 Session Chair: <b>Ms. Avan Azad</b>	ICOWOBAS-006-COMP	<b>Saad Talib Hasson</b>	<b>A Traffic Flow Prediction Approach Based on a Developing Car-Following Model</b>
			ICOWOBAS-007-COMP	<b>Sura S. Mohamed</b>	<b>Hardware Implementation Of Scma Codebook Using Chaotic Interleaver</b>
			ICOWOBAS-008-COMP	<b>Rizgar R. Zebari</b>	<b>Parallel Processing Distributed-Memory Approach influences on Performance of Multicomputer-Multicore Systems using Single-Process Multi-Thread</b>
			ICOWOBAS-009-COMP	<b>Sarhad Baez Hasan</b>	<b>A Secure and User-Friendly Graphical Pin Entry System with Shoulder Surfing Resistance</b>
16:00-16:15	Coffee Break				
16:15-17:00	Closing Ceremony of Day 2: Session chairs and the organizing committee certificates				
17:00-19:00	Closing Dinner with Guests				
9TH ICOWOBAS 2023 3rd DAY PROGRAM (COMPUTER AND DATA SCIENCES)					
Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrence		
09:30-10:00	Hall:302 Opening Ceremony		<b>Mr. David Wafula Waswa</b> Certification of journal editors. Conference activities.		
11:00-12:30	Parallel Session 3	Hall: 208 Session Chair: <b>Ms. Slvar Abdulazeez</b>	ICOWOBAS-011-COMP	<b>Ahmed S. Abdullah</b>	<b>Computer Vision System To Improve The Gymnastics Player's Performance Based On Deep Learning</b>
			ICOWOBAS-012-COMP	<b>Saad Talib Hasson</b>	<b>A Proposed Priority Approach to Improve the Intelligent Transport System Environment</b>
			ICOWOBAS-013-COMP	<b>Karez A. Hamad</b>	<b>Designing a convolutional neural network architecture for Kurdish handwriting digits and character recognition on a vast dataset</b>
			ICOWOBAS-014-COMP	<b>Slvar Abdulazeez Arif</b>	<b>Investigating Quality of Service (QoS) in a Combined WLAN and Hetnet-Based LTE-A Architecture</b>
			ICOWOBAS-015-COMP	<b>Qaysar Mahdy</b>	<b>Robust stability and stabilization of a class of uncertain discrete time systems</b>
12:30-14:00	Lunch Break:TIU Restaurant				
16:30-17:30	Closing Ceremony of Day 3: Best paper award, rest of organizing committee, and participant certificates.				
19:00--	Closing Dinner				

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9TH ICOWOBAS 2023 2nd DAY PROGRAM (ENVIRONMENTAL SCIENCES)					
Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrence		
09:30-10:30	Hall:302 Opening Ceremony		Welcome speech by the Host: <b>Mr. David Wafula Waswa</b>		
			Brief info about the conference by Host: <b>Mr. David Wafula Waswa</b>		
			Welcome speech by TIU president: <b>Asst. Prof. Dr. Abdulsamad S. Ahmad</b>		
			Certification of conference organizing committee members		
10:30-11:15	Keynote Speech Hall: 302 Session Chair: <b>Prof. Dr. Faiq H.S. Hussain</b>	<b>Nanik Siti Aminah, M.Si.</b> , Professor, Natural Product Chemistry, University Airlangga, Indonesia. Title: "Phenolic Compounds from Indonesian Medicinal Plants: Small Molecules with Great Activities"			
11:15-11:30	Coffee Break				
11:30-12:00	Parallel Keynote Speeches HALL:210 Environmental Sciences	Session Chair: <b>Prof. Dr. Ayad Al-Quraishi</b>	<b>Prof. Dr. Salih Mohammad Awadh</b> , University of Baghdad- Iraq Title:"A real reasons of Earthquekes: A New Theory"		
12:00-13:00	Parallel Session 1	HALL:210 Session Chair: <b>Prof. Dr. Hamed M. Jassim</b>	ICOWOBAS-001-ES	<b>Ako H. Mahmood</b>	Effect of Pine Oil on Carpet Weed ( <i>Galenia pubescens</i> ): Implications for Weed Management
			ICOWOBAS-002-ES	<b>Sadeq Haval AbdulJabbar</b>	Virtual 3D City Reconstruction and Online Sharing Using Airborne Imagery: Case study, College of Engineering campus, Erbil, Iraq
			ICOWOBAS-003-ES	<b>Janan Jabbar Toma</b>	Antibacterial activity of <i>Oscillatoria</i> princips and <i>Chroococcus turgidus</i> against some pathogenic bacteria
			ICOWOBAS-011-ES	<b>Mohammed A. Sulaiman</b>	Analyzing Weather Data and Renewable Energy Generation from Photovoltaic Panels and Wind Turbines in Three Provinces in Iraq
13:00-14:30	Lunch Break:TIU Restaurant				
14:30-16:00	Parallel Session 2	HALL:210 Session Chair: <b>Prof. Dr. Tariq Hamakarim</b>	ICOWOBAS-005-ES	<b>Bahaddin Shakir</b>	Investigation of effective methods to reduce the proportion of phosphorus in ex-cropping land to facilitate native grassland restoration
			ICOWOBAS-006-ES	<b>Thin Soedartil</b>	Bioremediation of micropollutants in raw water for drinking water Kali Surabaya River using immobilized <i>Skeletonema costatum</i>
			ICOWOBAS-007-ES	<b>Heman Abdulkhaleq A. Gaznayee</b>	Landsat Time-Series Based LST and VHI as a Proxy for Analysis Drought Impacts on Erbil, the Iraqi Kurdistan Region
			ICOWOBAS-012-ES	<b>Mohammed A. Sulaiman</b>	Assessing the Performance of a Novel Dew Point Evaporative Cooler Considering the Climatic Conditions of Different Cities in Iraq
16:00-16:15	Coffee Break				
16:15-17:00	Closing Ceremony of Day 2: Session chairs and the organizing committee certificates				
17:00-19:00	Closing Dinner with Guests				
9TH ICOWOBAS 2023 3rd DAY PROGRAM (ENVIRONMENTAL SCIENCES)					
Time	Event title		Event Program		
8:30--	Registration		Education Faculty Entrence		
09:30-10:00	Hall:302 Opening Ceremony		<b>Mr. David Wafula Waswa</b> Certification of journal editors. Conference activities.		
11:00-12:30	Parallel Session 3	Hall: 210 Session Chair: <b>Prof. Dr. Salah A. Farhan</b>	ICOWOBAS-009-ES	<b>Mehmet Ozdemir</b>	Sustainable Environmental Solutions: Mussel Farming as a Win-Win Solution for Natural Water Cleaning and Economic Growth
			ICOWOBAS-013-ES	<b>Mohammed A. Sulaiman</b>	Investigating the Effect of Water Flow Direction, Velocity, and Temperature on the Child Water/Air production by the Environmentally Friendly Novel Dew Point Evaporative Cooler ID number and Scient
			ICOWOBAS-010-ES	<b>Wrya Hassan</b>	Effects of Artificial light at Night of different Spectra and Predator cues on foraging of Freshwater Gammarids
			ICOWOBAS-008-ES	<b>Faris Jarjees</b>	Health risk assessment of toxic heavy metals in commercial rice available at local markets in Erbil, Iraq
			ICOWOBAS-004-ES	<b>Saddam Waheed</b>	Examining the Climate Change influence on Water Resources System Resilience of the Diyala River Basin in Iraq
12:30-14:00	Lunch Break:TIU Restaurant				
16:30-17:30	Closing Ceremony of Day 3: Best paper award, rest of organizing committee, and participant certificates.				
19:00--	Closing Dinner				

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## SOCIAL EVENT

Dear researchers,

We would like to extend a cordial invitation to you to visit the picturesque Kurdistan region and explore the scenic beauty of Korek Mountain and Shingilbani.

Korek Mountain is a popular tourist destination in the region, offering breathtaking views of the surrounding valleys and snow-capped mountains. Visitors can take a cable car ride to the mountain summit, where they can enjoy a panoramic view of the region and the city of Erbil.

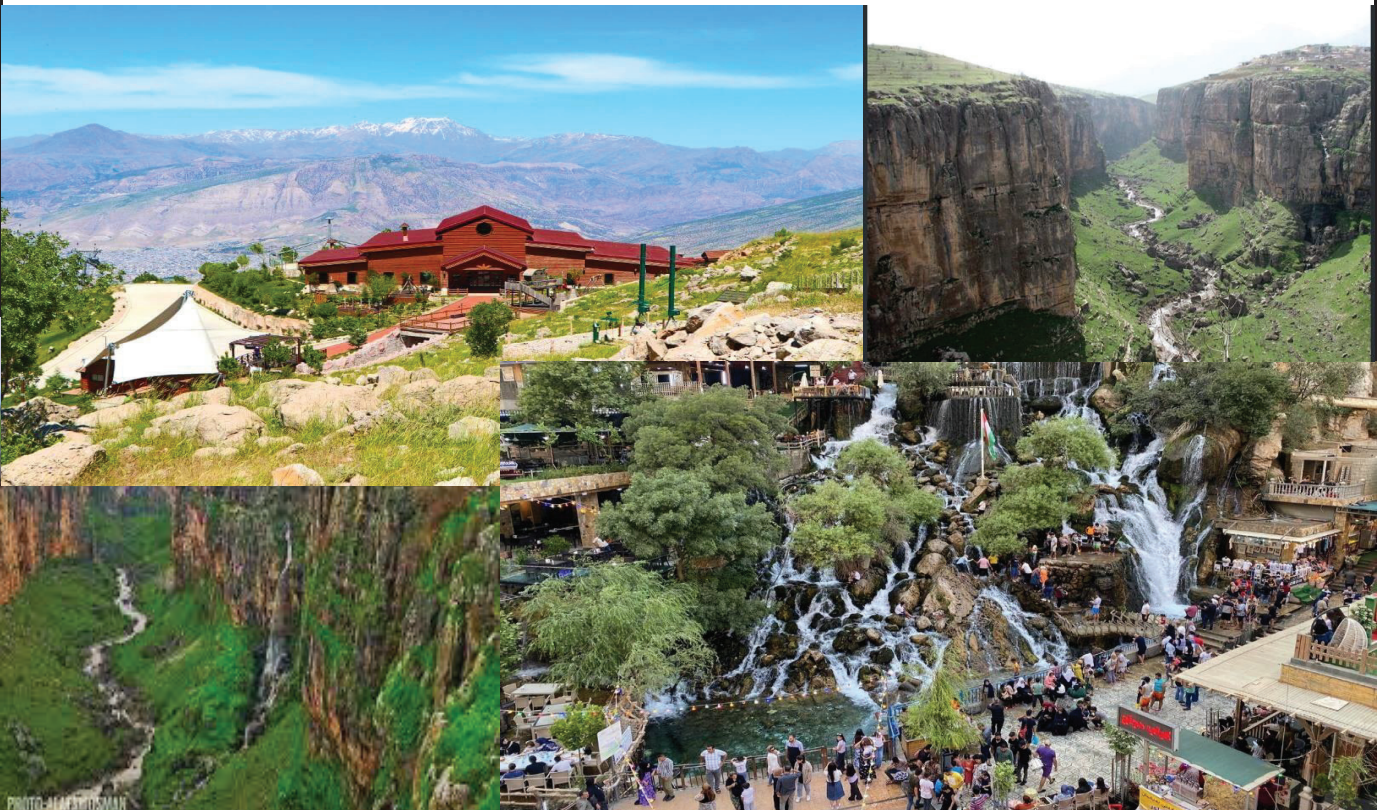
Shingilbani is a historic village located in the foothills of the Zagros Mountains, known for its beautiful traditional houses and ancient mosques. Visitors can stroll through the winding streets of the village, enjoy the scenic countryside, and interact with the welcoming local community.

During your visit, you can also explore the many other attractions of the Kurdistan region, including its stunning natural landscapes, rich cultural heritage, and delicious local cuisine. Our team can assist you in planning your trip and provide recommendations on accommodation, dining, and other activities.

We assure you that your visit to the Kurdistan region will be a memorable and enriching experience, and we look forward to welcoming you soon.

Best Regards.

11.05.2023











The logo features a stylized white graphic of two overlapping loops on the left side. The text '9th' is positioned above the main title.

**9th**  
**ICOWOBAS**

*9th International Conference and Workshop on  
Basic and Applied Sciences*