



2nd Scientific Conference of Faculty of Science, Benha University
"APPLIED SCIENCE AND SUSTAINABLE DEVELOPMENT"

Conference Program

Day 1 – Sunday 27 September 2020

General assembly: Opening ceremony (Conference Hall, Benha University)	
9:00 - 10:00	Registration for the first day
10:00 - 11:00	Opening ceremony
11:00 - 11:30	Coffee Break
11:30 - 12:30	Invited talk: Covid 19 and Immunity (Prof. Mohamed Labib – Tanta University)
12:30 - 13:15	Invited talk: Role of Applied Science in Sustainable Development (Prof. Hussein M. Abaza - Director (ACED))
13:15 - 14:00	Invited talk: A Theory of Biodiversity and Gene Evolution (Prof. Sobhy Hassab El-Naby – Menoufia University)
14:00-14:30	Lunch



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Session 1: Applied Chemistry (Hall A) Chairman: Prof. Dr. Mohamed Mokhtar Co-Chairman: Prof. Dr. Gamal Awis Prof. Dr. Wagdy El-DougDoug	
14:30 - 14:45	Fabrication, structural and adsorption studies of zirconium oxide nanoparticles Ayman A. Ali, Sayed A. Shama, Sahar R. EL-Sayed
14:45 - 15:00	H ₂ O ₂ additive to enhance photocatalytic degradation of methylene blue dye using chalcogen nanocomposite Mona S. NourEldien , Hisham M. Aly, Mostafa Y. Nassar, and Islam M. Ibrahim
15:00 - 15:15	Synthesis and characterization of aluminum oxide nanoparticles for the removal of sunset yellow dye from aqueous media Ayman A. Ali, Sayed A. Shama, Abdel Azeem M. El Sharkwy, and Nada M. Abd Elkader
15:15 - 15:30	Auto- combustion preparation of zinc oxide nanoparticles for photocatalytic degradation of amaranth dye in aqueous media Ayman A. Ali, Ibrahim S. Ahmed and Sara M. Elfiky



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Session 2: Biology (Zoology, Entomology and Microbiology) (Hall B)	
Chairman: Prof. Dr. Dina Baraka	
Co-Chairman: Prof. Dr. Moshera Ezzat	
Prof. Dr. Olfat El-Monairy	
14:30 - 14:45	Effect of biofloc aquaculture system on growth performance of Nile tilapia (<i>Oreochromis niloticus</i>) Magda M. El-Ezaby, Nassr-Allah H. Abdel- Hameid ¹ , Safaa A. El-Zawahry, Marwa A. Abd El-Maksoud and Fatma E. Shaboun
14:45 - 15:00	Studying the Kynurenine, some Biochemical and Hematological changes on Egyptian patients with Chronic Hepatitis C during and after treatment with Sofosbuvir Nassr_Allah A. Abdel_Hameeid ¹ , Lubna.Y.Mousa ² , Eman M.Shaheen ¹ and Fatma .S .Ibrahim²
15:00 - 15:15	Potency of silica nanoparticles against <i>Culex pipiens</i> larvae (Diptera:Culicidae) Aya Hassan El-Khawaga , Mohamed Mahmoud Baz, Mostafa Yassin Nassar, Nehad Mohamed El- Barkey and Aida Said Kamel
15:15 - 15:30	Antioxidant, anti-inflammatory and anti- candida potential activities of <i>Streptomyces canaries</i> isolated from Egyptian <i>Ulva lactuca</i> Neveen M.El-Shafaey , Asmaa N.Adam , Aida M. Farag , Noha K. El Dougdoug , and Hazaa M.M.
15:30 - 15:45	Antibacterial Activity of Some Medicinal Plant Extracts against Multidrug Resistant Bacteria M.H. Allam , Hemmat,M.Abdelhady, Nahed,M. Ayat Rania,F. Ahmed,and Mervat, G. Hassan



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Session 3: Poster session (Microbiology + Entomology) [Hall A pathway] Chairman: Prof. Dr. Mohamed Gomma Battah Co-chairman: Prof. Dr. Mohammed Hesham Elsayed		
14:45 - 15:45	Effect of nutritional factors on the production of L-asparaginase from Egyptian microbial isolates Rana Samir , Mohamed O. Abdel-Monem, Khadiga A. Abou-Taleb, Soheir S. Abd el salam	Bio treatment of swimming pool water polluted with multidrug resistant Staphylococcus aureus used formulated bacterial viruses Khalil D. G. , Abdel- Monem M. O., Kandil A., and El. Dogdog N.
	Bacteriological Study On Urinary Tract Infection Of Pregnant Women and Detection Of Pyelonephritis–Associated Pilus (pap) Encoding Operon Gene in Uropathogenic Escherichia coli In Benha University Hospital, Egypt Mervat G.Hassan; Abeer Ahmed Aboelazm; Mahmoud Mostafa Amer1; Ahmed Walid Anwarm; Amira Mohamed Mahmoud	Nutritional factor affecting on cellulose production by <i>Omagataeibacter intermedius</i> 2503 Mo Gehad Zeyada , Mohamed O. Abdel-Monem, Samira M. Salam, Altaf H. Basta, Vivian F. Banub
	Prevalence of Staphylococcus species in inflamed conjunctiva at eye care clinics and their response to bioactive compounds produced by probiotics Sara Mohamed , Ahmed G. Abdelhamid, Mohamed N. Elmohamadyb, Sohier Abdelrahman, Mahmoud M. Amer	Genomic Fickleness of the S gene of Hepatitis B Virus: Clinical and Diagnostic Guidance Hussein, T.H , Abdel-Aziz, S.H, Elkalamawy, I.M, Nasr-Eldin, M.A, and Attia, A.M.
	Antimicrobial activity of Lactococcus lactis sub sp. lactis K201 isolated from some food products against some pathogenic bacteria Abdel Monem, M.O.; Zaghloul, R.A; Abd El-Salam, Soheir, S.; El-Shenawy, M.A. and El-Aksher, Omima, A.	"Antifungal Activity And Gc-Ms Analysis Of Bioactive Compounds Produced By River Nile – Derived Nocardiopsis Ganjiahunsis Eman S. Mohamed , Maisa L. Abd-El-Moneim, Mahmoud A. Swelem, and Mahmoud M. Ammer
	The effect of peels extract of <i>Punica granatum</i> on some pathogenic bacteria Mervat G. Hassan, Omnia M. Selim , Dina Baraka, Soheir Abdelrahman Mohamed E.Rashed	



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Session 4: Poster session (Chemistry) [Hall B pathway] Chairman: Prof. Dr. Hesham Marawan Co-Chairman: Prof. Dr. Ali Maaboud		
14:30 - 15:45	Aminopyridine Transition Metals Complexes; Characterization, Application and Molecular Orbital Calculation Moustafa E. Moustafa, Naglaa M. Meshal, Mohamed I. Ayad and Osama A. Goda	Sol-gel auto-combustion synthesis and characterization of silica nanoparticles for the removal of sun set dye from aqueous media Ayman A. Ali, Mostafa Y. Nassar, Sayed A. Shama, Abdel Azeem M. El Sharkwy, and Nansy E. El Sayed
	Synthesis of new organic compound and its application as corrosion inhibitor A. A.Aly, A. Saad , A. Y. El-Etre	Physical studies on silk fabric treated by PANI,GO, and PANI&GO nanocomposite. M. Khairy, R. Kamala , M. A. Mousa
	Cholestyramine as an adsorbent for methyl orange from aqueous solution Gamal O. El-Sayed, Eman M. Kamar, Hisham M. Aly, Iman M. Ghanem	Study the oxidation stability of local base oil using Azophenol derivatives Ashraf M. Ashmawy ³ , Maher I. Nessim ² , W.I. El-DougDoug ¹ , M. H. Aref ¹ , M. H. Zidane
	Fabrication and characterization of Fe ₃ O ₄ nanoparticles via a facile co-precipitation method Dalia A. El-Naggar , Hesham H. El-Feky, Abdel- Azeem M. El-Sharqawy, and Mostafa Y. Nassar	Synthesis and characterization of silver nanoparticles through a hydrothermal treatment using trisodium citrate as a reducing agent Fatma A. Shaker , Hesham H. El-Feky, Gamal O. El-Sayed*, and Mostafa Y. Nassar
	Removal of cadmium from aqueous solutions by dewatered sludge Tarek Sabry , Gamal O El-Sayed, Sayed E Mosallamy	Synthesis, Spectroscopic Characterization and Antitumor Activity Against Hepatocellular Carcinoma of New Dihydroquinoxaline Ligand and its Complexes. Abdou S. El-Tabl ^{*1} , Mostfa Ebrahiem Shahin ² , Moshira M. Abd-El Wahed ³ , Naglaa Mohamed Mashal ¹ and Nahed El-Sayed Shehab¹



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Day 2 – Monday 28 September 2020

9:00-10:00	Registration for the second day
10:00-10:30	Invited talk: "Nanotechnology & Diagnostic Medicine (The Future of Nanosensors)" Prof. Hassan Azazi (American University in Cairo)
10:30-11:00	Invited talk: " Latest Trends in Food Biosafety " Prof. Ahmed Abd-Elmawgood – Egypt-Japan University of Science and Technology
11:00-11:30	Invited talk: " Mediterranean and River Nile Catholic Geology Marriage" (Prof. Ali Bakr – <i>Rockserv Petroleum Company</i>)
11:30-12:00	Invited talk: " Dielectric Relaxation Spectroscopy and Nanotechnology" (Prof. Gamal Turkey – <i>National Resarch Center</i>)
12:00-12:30	Coffee Break
12:30-13:00	Workshop: "Magnesium Battery as a Post Lithium Battery" (Prof. Eslam Sheha – <i>Benha University</i>)



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Session 5: Applied Chemistry+ Geology (Hall A) Chairman: Prof. Dr. Mahmoud Mosa Co-chairman: Prof. Dr. Alaa Amin- Prof. Dr. Ashraf Wasfy- Prof. Dr. Zakaria Hamami		Session 6: Botany and Microbiology (Hall B) Chairman: Prof. Dr. Mahmoud Hazzaa Co-chairman Prof. Dr. Mahmoud Amer- Prof. Dr. Mahamed Othman	
13:00-13:15	Sol-gel auto-combustion preparation and characterization of silica nanoparticles for the removal of congo red dye from aqueous media Ayman A. Ali, Hisham M. Aly, Ibrahim S. Ahmed and Fathy M. Fathy	13:00-13:15	Characterization of multidrug- resistance Aeromonas hydrophila D2007 and Escherichia coli W102 phages as supportive tools for controlling foodborne pathogens Aya Ayman , Mohamed O. Abdel-monem, S. Abed Elsalam, A. Askora, M. Nasr Eldein
13:15-13:30	Fractionation of cadmium in some contaminated soils and remediated it by using Zero valent iron(ZVI) Rabab A. Omer , Samir A. El-Gendi , Gamal O. El-Sayed	13:15-13:30	Biosynthesis of L-glutaminase from Ochrobactrum intermedium strain and optimization fermentation process using placket-Burman design Gehad Sh. F. Ghaith , Mohamed O. Abdel-Monem, Khadiga A. Abou-Taleb, Ahmed M Abdelaziz , Mervat G Hassan
13:30-13:45	Toxicity of Garlic essential oil (<i>Allium sativum</i>) and determination of its residues in eggplant plants during crop production cycle Shiry S. Takla1 , Farida M. S. E. El-Dars , A. S. Amien and Marguerite A. Rizk	13:30-13:45	Physiological response of fenugreek (<i>Trigonella foenum-graecum</i> L.) plant treated by farmyard manure and two selected seaweeds as biofertilizers Mai, M. Tantawy¹ , Mohamed Battah ¹ , Mahmoud Amer ¹ , Hamed Eladel ¹ and Abdel Fattah Salah Soror ²
13:45-14:00	Preparation, characterization and optical properties of Titanium oxide nanoparticles for photocatalytic degradation of an organic dye Ayman A. Ali, Mostafa Y. Nassar and Samah A. Singab	13:45-14:00	Isolation of bacteria from various sites of pharmaceutical industry and evaluation of their susceptibility to some commonly used antibiotics and medicinal plants Mervat G. Hassan ¹ Maha S.Kheisha ¹ , Mahmoud M. Amer ¹ , Soheir Abdelrahman ² , Mohamed A .Nasr-Eldin ¹



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14:00-14:15	<p>Determination of the Earthquake Source Parameters in Aswan Area, Egypt H. Zahra, H. Lotfy, M. Salem, I. Abu El Nader *, and E.M.El-Amin</p>	14:00-14:15	<p>Characterization and evaluation of isolated lytic phages for biocontrol of multidrug- resistant (MDR) <i>Enterobacter cloacae</i> complex isolated from dairy products Mahmoud Hazaa, Sabah Abo EL-Maaty, Eman Gamal, Nahed Elayat, Mohamed Nasr-Eldin</p>
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Session 7: Poster session (Chemistry) [Hall B pathway] Chairman: Prof. Dr. Sayed El- Badawy Co-chairman: Prof. Dr. Sayed Abd-Elaziz- Prof. Dr. Mostafa Nassar			
13:15-14:15	<p>Synthesis, Characterization and Investigation of Nonionic Surfactants from Polyacrolein Waste as Corrosion Inhibition Efficiency for Carbon Steel Pipeline in 1M HCl A.M. Al-Sabagh , Amira E. El- Tabey , N.M. Nasser , Aly A. Aly , Mohamed S. Behalo, Alaa Y. Taha</p>	13:15-14:15	<p>Preparation, characterization and optical properties of ZnFe₂O₄ nanoparticles using auto-combustion and co-precipitation methods Ayman A. Ali, Mostafa Y.Nassar and Ahmed S. Diab</p>
	<p>Corrosion inhibition of Isosorbide dinitrate dinitrate drug on carbon steel in hydrochloric acid solution A. Y. EL-Etre, Samar Seyam, M. Mady</p>		<p>Corrosion inhibition of reinforcing carbon steel bars by thiourea in acidic media Ahmed Elessawy Abdou, M. S. Mahmoud, A. I. Ali, A. Y. El-Etre</p>
	<p>Adsorptive Removal of a Food Coloring Dye Carmoisine by Silica Gel G. O. El-Sayed, E. H. El-Mossalamy, A. M. Abdelaal</p>		<p>Synthesis and characterization of nonionic surfactants derived from waste polyethylene terephthalate and their evaluation as corrosion inhibitors for protection of carbon steel Mahasen Saad Amin, MohamedAbou Royal, Hassan H. H. Hefni, Nabel A. Negm, Alaa El Sheikh</p>
	<p>Removal of Organic Pollutant from Aqueous Solution using Silver Nanoparticle Prepared by Green Chemistry Technique Islam M. I. Moustafa, Helmy E. Megahed and Emad F. Ibrahim</p>		



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Session 8: Poster session (Mathematics, Computer Science, Physics) [Hall B pathway] Chairman: Prof. Dr. Reda Gamal Co-Chairman: Prof. Dr. Nabil Shash Dr. Mosab Hassan		
13:00-14:15	The Error Behaviour of Collocation and Galerkin Methods in Solving Integral Equations M. A. Abdou, A. A. Soliman and <i>M. N. Elhamaky</i>	Arabic Text to Image Generation based on Generative Network of Fine-Grained visual Descriptions <i>Sara Maher</i> , Mohamed Loey
	On Discussion of Fractional Linear Integro Partial Differential Equation with Evaluation Kernel Using Modified Bielecki Method and its Numerical Solution M. A. Abdou , A. A. Soliman , M. H. Abdalla, G. A. Mosa , and <i>F. A. Gawish</i>	Sol-gel auto-combustion synthesis and identification of silicon dioxide nanoparticles for the removal of sunset dye from aqueous solutions Ayman A. Ali, Mostafa Y. Nassar, Sayed A. Shama, Abdel Azeem M. El Sharkwy, and Nansy E. El Sayed
	New oscillation criteria for second-order neutral delay dynamic equations with a nonpositive neutral term on time scales A. Soliman, A. M. Hassan, <i>S. Affan</i>	Study on nonlinear conduction of PEDOT: PSS conducting polymer <i>R.S.Abd-Elghany</i> , H.Khoder, R.Khalil and M.K.El-Mansy
	Image Splicing Forgery Detection Using Improved Local Binary Pattern <i>Eman I. Abd El-Latif</i> , Ahmed Taha; Hala H. Zayed	The elastic properties using ultrasonic non-destructive Technique for light weight ceramic from Clay and Sewage Sludge Ash <i>A. A. Negm</i> , T.Y. Elrasasi , , H. Khoder, F. Metawe and M. K. El-Mansy
	A Novel Landmarked Face Database for Arab Celebrities <i>Reda Ghanem</i> , Mohamed Loey	Cellular Immune Response of Plodia Interpunctella And Ephestia Kuehniella (Lepidoptera: Pyralidae) Parasitized By Bracon Hebetor Wasp (Hymenoptera: Braconidae). Faten F. abouldahb, Mona F. Abd-El Aziz, Aida S. Kamel, Rawhia, H. Ramadan; and <i>Heba, F. Abd-elKhalek</i>



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Session 9: Poster session (Geology, Zoology and Entomology) [Hall B pathway] Chairman: Prof. Dr. Maher Elammay Co-Chairman: Prof. Dr. Nasr Allah Hassan - Prof. Dr. Aida Saeed							
13:15-14:15	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> Contribution of Structural Interpretation Of Najmah Formation; A Broblem Case In Raudhatain And Sabriyah Fields, North Kuwait Maher A. El Amawy, Mohammed M. Afife, Mubarak M. Al Hajeri and <i>Ahmed A. Mohammad</i> </td> <td style="width: 50%; padding: 5px;"> Effects of Bee Pollen and Silymarin on Some Parameters in Cisplatin- Induced Hepatotoxicity in Male Albino Rats Aziza A.M. El-Shafey, Moshira M.E. Seliem, Eman M.S. Shahen, Doaa S. Ibrahim, <i>Doaa I.M. Mahmoud</i> </td> </tr> <tr> <td style="padding: 5px;"> Structure Geological Model for Sarir Sandstone Reservoir on Majid Area, Sirte Basin, Libya, using interpretation of 3D seismic data El-Amawi, A. M., Afife, M. M., and Khalil, F.A. </td> <td style="padding: 5px;"> Description of The Early Developmental Stages of The Sense Organs of The Egyptian Passer domesticus Abdel Hady,S.I.;Emam,M.A.;<i>El-Sayed,SH</i> </td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"> Teratogenic Effect of Therapeutic Doses of Sofosbuvir and Daclatasvir on the Skeletal System of Mice Fetuses Abdel-Hady,S.I. - El-Shabaka,H.A. and <i>Sliem,R.E.A</i> </td> </tr> </table>	Contribution of Structural Interpretation Of Najmah Formation; A Broblem Case In Raudhatain And Sabriyah Fields, North Kuwait Maher A. El Amawy, Mohammed M. Afife, Mubarak M. Al Hajeri and <i>Ahmed A. Mohammad</i>	Effects of Bee Pollen and Silymarin on Some Parameters in Cisplatin- Induced Hepatotoxicity in Male Albino Rats Aziza A.M. El-Shafey, Moshira M.E. Seliem, Eman M.S. Shahen, Doaa S. Ibrahim, <i>Doaa I.M. Mahmoud</i>	Structure Geological Model for Sarir Sandstone Reservoir on Majid Area, Sirte Basin, Libya, using interpretation of 3D seismic data El-Amawi, A. M., Afife, M. M., and Khalil, F.A.	Description of The Early Developmental Stages of The Sense Organs of The Egyptian Passer domesticus Abdel Hady,S.I.;Emam,M.A.; <i>El-Sayed,SH</i>		Teratogenic Effect of Therapeutic Doses of Sofosbuvir and Daclatasvir on the Skeletal System of Mice Fetuses Abdel-Hady,S.I. - El-Shabaka,H.A. and <i>Sliem,R.E.A</i>
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14:15-14:45	Lunch						
General assembly: Closing ceremony							
14:45- 16:00	Closing session and Recommendations						