

## Journal of University of Babylon

مجلة جامعة بابل



ISSN: 1992-0652

**Series of Engineering Sciences** Vol. 26, No. 3, 2018.

5N: 1992-00	E.ISSN: 2312-813
Page No.	Papers Titles
1 - 12	* Modelling and Development of Linear and Nonlinear Intelligent Controllers for Anti-lock Braking Systems (ABS) - Mohammad Najeh Nemah
13 - 22	* Estimation of Maximum Shear Capacity of RC Deep Beams Strengthened by NSM Steel Bars - Hayder Hussain Kammona & Abdullah Sikar Hassan Al-Issawi
23 - 33	* Accuracy Assessment of Open Source Digital Elevation Models - Ageel Abboud Abdul Hassan
34 - 42	*Evaluation of the Loss from the Discharge by the Percolation Process along a Selected Section of Hilla River within Hashimiya Region - Arkan Radi Ali & Muhsen Khudhair Hasson
43 - 57	* Centralized Database for Laboratory Test: A Case Study Of Oil Refinery -Nahla fadel alwan& Ammar Mohammed Ali&Jamal Hilal Assi
58 - 66	*Enhancing the compressive strength property of gypsum used in walls plastering by adding lime - Moslih Amer Salih & Abbas Ahmed Hussein
67 - 74	*A Hybrid Verifiable and Delegated Cryptographic Model in Cloud Computing - Jaber Ibrahim Naser
75 - 97	* Nonlinear Finite Elements Analysis of Reinforced Concrete Columns Strengthened With Carbon Fiber Reinforced Polymer (CFRP) -Mazen Dewan Abdulla & Zahraa Abbas Khaduier
98 – 109	* Miscibility improvement of LDPE/PVA blends by using silane-coupling agent -Zuhair Jabbar Abdul Ameer &Nabeel Hasan Hameed
110 - 123	* Rutting Resistance of Cold Bituminous Emulsion Mixtures (CBEMs) with Acrylic (AR) Polymer - Muna Al- Kafaji & Shakir Al-Busaltan & Hussein Ewadh
124 - 137	* Numerical Analysis for un-baffled Mixing Tank Agitated by Two Types of Impellers - Ammar Ashour Akesh
138 – 145	* Enhanced Electricity Generation by Using Cheese Whey Wastewater in A Single-chamber Membrane Less Microbial Fuel Cell - Hassan A.Z.Al-Fetlawi & Ali Muneer Hadi
146 – 152	* Performance analysis of a keyword search system - Mustafa Abdalrassual Jassim
153 - 164	* The Effect of Adding Alloying Element Yttrium and Tantalum on Mechanical Properties of NiTi Shape Memory Alloy - Abdulkareem abdulrazzaq alhumdany& Abdulraheem K. Abidali& Hanan J. Abdulredha
165 - 175	* Study of Morphometric Properties and Water Balance Using Thornthwaite Method in Khanaqin Basin, East of IraqHussein Ilaibi Zamil Al-Sudani
176 - 186	* The Comdined Effect of the Self Excited and External Forced Vibrations on the Pressure Disturbution of Short Journal Bearing Abdulkareem Abdulrazzaq & Huda Mseer Abdulkadum
187 - 198	* Study Impact of Overall Equipment and Resource Effectiveness onto Cement Industry -Lamyaa Mohammed Dawood& Zuher Hassan Abdullah
199 - 211	* Experimental and Theoretical Behavior of Reinforced Concrete Two Way Slabs Strengthened by Steel Fiber Ferrocement Layers at Tension Zone -Mazen D. Abdullah
212 - 227	* Enhancing the Punching Behavior of High Strength Concrete Flat Plates Subjected to Repeated Load by Using Shear Reinforcement - Nameer Abdalameer Alwash&Ghalib Mohsin Habeeb& Hussein Talab Nhabih
228 – 235	*An Experimental Study of the Thermal Performance of Solar Air Collector Inclined (75°) on the Horizontal Plane - Hasasn Ali Jurmut

236 - 246	* Assessment of The Asphalt Produced in Some Factories of Asphalt in Al-Hilla City
	- Mohammed Karem Abd &Zuhair Dhaher Habeeb&Dhiaa Neama Jabbar
247 - 263	* Characterize Cold Bituminous Emulsion Mixtures Incorporated Ordinary Portland
	Cement Filler for Local Surface Layer
	-Mustafa Amoori Kadhim& Shakir Faleh Al-Busaltan& Raid Rahman Almuhanna
264 - 273	* Flexural and Shear Behavior of RC Concrete Beams Reinforced with Fiber Wire Mesh
	- Rafea Flaih Hassan
274 - 306	* Material Selection for Competition-A Case Study for Air Coolers
	- Luma A. H. Al Kindi & Amjad Husien Jasim& Entsar Nife farhan& Batool Ibraheem Jameel
307 - 317	*Improving The Voided Reinforced Concrete Beams Behavior by Strenthining The
	Compression Zone Concrete Using Polyvinyl Alcohol
	-Nabeel Hasan Ali Al-Salim
318 - 327	*Development and Empirical Investigation of a Self-Powered UV detector Based-
	Microcontroller
	-Haider Al-Mumen
328 - 339	* Study on Combustion Performance of Diesel Engine Fueled by Synthesized Waste Cooking
	Oil Biodiesel Blends
	-Duraid F. Maki
340 - 349	*A Development Framework for Smart Cities Assessment
	-Mustafa Khudhair Al-Alwani
340 - 349	*A Development Framework for Smart Cities Assessment