

## Association of Arab Universities Journal of Engineering Sciences

مجلة اتحاد الجامعات العربية للدراسات والبحوث الهندسية



**Volume 27** 

Issue 2 June 2020

No.	Article	Authors	Pages
1	Study the Performance of Cooled Photovoltaic Thermal Solar Panel Using New Cooling Technology	Dheya Ghanim Mutasher, Mohammed Fowzi Mohammed, Zaid Salman Ubaid	1-13
2	Effect of Ferric Oxide and Magnesium Oxide Nanoparticles on Iraqi Bentonite Performance in Water Based Drilling Fluid	Ghofran F. Al-Ghanimi, Nada S. Al- Zubaidi	14-23
3	Variation of Asphalt Requirement and Strength Properties among Hot Mix (HMA) and Warm Mix (WMA) Asphalt Concrete	Zainalabidine Nihad, Saad Issa Sarsam	24-33
4	Evaluation of Tensile, Impact and Fatigue Crack Growth Rate of Epoxy Based Coatings used as a Lining for Crude Oil Storage Tanks	Haider Hadi Jasim	34-44
5	Using of modified-bentonite as low-cost sorbent for removal of methylene blue dye from aqueous solution	Saraa Muwafaq Ibrahim, Ziad T. Abd Ali	45-54
6	PVT and Pressure Analysis in Third pay Reservoir of Zubair Oilfield Southern Iraq	Karrar K. Abdulwahhab, Mohammed S. Al-Jawad	55-59
7	Immiscible CO2-Assisted Gravity Drainage Process for Enhancing Oil Recovery in Bottom Water Drive reservoir	Dahlia A. Al-Obaidi, Mohammed S. Al- Jawad	60-66
8	Hybridization in contemporary urban projects: A descriptive analysis study of the types, mechanisms and characteristics of urban hybridization	Shereen kamil Al nedawi	67-80
9	Green Architecture and its applications in Hospitals:Analytical study of existing project to extract the mechanisms of applying green architecture in hospitals	Anfal Muayad Mayoof	81-93
10	Performative In Local Architecture, Marshes As A Model	Munaf Adnan Talib, Zaynab Radi Abaas	94-121
11	The Impact of Multi-functionality in Promoting the Aesthetic Values of Modern Islamic Architecture	Ibtisam Abdulelah Al Khafaji, Israa jabber Theban	122-134
12	The role of the Internal courtyard in organizing the function and shaping architecture	Basim Hasan Almajidi, Tuqa Mahmood Hameed	135-146
13	Electrochemical treatment of raw water for thermal power plants requirements	Ali Ali, Haitham shaheen, Mesaa Shash, Bashar Zedan	147-153
14	The Effect of Heat Treatments and Nickel Additive on The Microstructure and Tensile Properties of 7075 Aluminum Alloy	Mohamad Yehea Al nefawy, Fouad El dahiye, Mahmoud Al Assaad	154-161
15	Designing Water Distribution Network To Aledekhar and Alshababia and supporting it by new Pipes by using genetic algorithms technic	Ibrahim Abdalrhman Abdaljlel, Adel Youssef Georgi, Amjad Hamed Shaker	162-167