Republic of Iraq
Ministry of High Education &
Scientific Research
University of Technology

Engineering &Technology Journal

Scientific surname	Name	University	Editorial Board
Prof. Dr.	**Jalal Mohammed Jalil** Email:jalamjalil@yahoo.com	Technology	Head
Prof. Dr.	**Abbas Hamid Sulaymon** Email:	Baghdad	Member
Prof. Dr.	**Bahjat Rashad Shahin** Email:arch_dep@yahoo.com	Baghdad	Member
Assi. Prof. Dr.	**Abdul Monem Saleh Rahma** Email:	Technology	Member
Assi. Prof. Dr.	**Fadhil Attiya Chyad** Email:Fchyad@yahoo.com	Technology	Member
Assi. Prof. Dr.	**Muhammed Saied Waheed** Email:Mohamned~sw'@yahoo.com	Technology	Member
Assi. Prof. Dr.	**Abdul Razaq T. Zboun** Email:razzak1956@yahoo.com	Technology	Member
Assi. Prof. Dr.	**Ali Y. Fattah** Email:	Technology	Member
Assi. Prof. Dr.	**Muhannad Zedan Khlefia** Email: almuhanad_net@yahoo.com.	Technology	Editing Manager

PDF created with pdfFactory Pro trial version www.pdffactory.com

English Researches

No.	Research Title and Name of Researcher	Page
1	**Effect of Current on Average Surface Roughness of Borosilicate Glass at EDM Machining and Comparison with Numerical Programs** **Dr.Wathik I.Mahdi, Dr.Maan A.Tawfiq & Dr.Shukry H. Aghdeab**	**1026**
2	**Laser sealing and thermal shock resistance of 6.5 wt% yttria Partially stabilized zirconia plasma sprayed layers** **Mohammed Jasim Kadhim**	**1039**
3	**Simulation of Active Magnetic Bearing Response based NNC** **Naseer Qassim Hamoody & Adil Hameed Ahmad**	**1047**
4	**HDNA : Heuristic DNA Computing Algorithm** **Dr. Ahmed Tariq Sadiq & Hasanen Samir Abdullah**	**1064**
5	**Adiabatic and Separated flow of R-22 and R-407C in Capillary Tube** **Ahmed Abdulnabi Imran**	**1074**
6	**Study Of The Optimization Condition Of Batch Sterilization Using Genetic Algorithm** **Dr.Thamer J.Mohammed, Ittehad F.Tobia & Salah N.F.Al-Obaidi**	**1083**
7	**Syntheses, characterization and study of use of manganese (III) Schiff-Base complex as Thermal Initiation in Radical Polymerization of styrene** **Ahlam Said Maroof**	**1093**
8	**Simulation Study 0f 802.11b DCF Using OPNETSimulator** **Dr. Mohammad Hussian Ali & Manal Kadhim Odah**	**1108**
9	**Numerical Simulation of a Two-Dimension Ramp Inlet Flow Field** **Jalal M. Jalil & Ahmed F. Kridy**	**1118**
10	**A Secure Mobile Banking Using Kerberos Protocol** **Dr. Mohammad N. Abdullah & May T. Abdul-Hadi**	**1127**

PDF created with pdfFactory Pro trial version www.pdffactory.com

11	**The Effect of Surfactant Concentration on the Rate of CO_2 Absorption by Carbonate Solution in Packed Tower** **Fadil H. Faraj & Alyaa K. Mageed**	**1134**
12	**Using of Taguchi Method to Optimize the Casting of Al–Si /Al_2O_3 Composites.** ***Dr. Osama S. Muhammed , Haitham R. Saleh & Hussam L. Alwan**	**1143**
13	**Effect of Laser Surface Treatment on Wear Resistance of $100Cr_6$ Steel** **Dr. Khansaa Dawood Salman**	**1151**
14	**Video Image for Security System by Using Chaotic Oscillator for Segmentation** **Dr. Emad Kadum Jabbar Alfatly &Nuha Jameel Ibrahim**	**1162**
15	**Correlation between Thickness, Grain Size and Optical Band Gap of CdI_2 Film** **Modaffer A. Mohammed**	**1174**
16	**Data Hiding in Sound Using Time Modulation of Unvoiced Blocks** **Dr. Hilal H. Saleh , Dr. Loay A. Jorj & Dr. Nidaa F.Hassan**	**1184**
17	**Studing The Mechanical Properties And Morphology Of Ternary Blends Of Polyethylene** **Nabeela A. Mohammed**	**1197**
18	**A Data Base for Self-Compacting Concrete in Iraq** **Dr. Shakir A. Al-Mishhadani & Mays F. Al-Rubaie**	**1206**
19	**Behavior of Short Reinforced Porcelinite Concrete Columns Under Concentric Loads** **Dr. Kaiss F. Sarsam, Dr. Ihsan A. S. Al-Shaarbaf & Dr. Mustafa S. Shuber**	**1219**

PDF created with pdfFactory Pro trial version www.pdffactory.com

البحوث باللغة العربية

تسلسل	عنوان البحثِ واسمِ الباحثِ	الصفحة
1	تأثير اضافة دقائق الكرافيت على مقاومة البلى ومعامل الاحتكاك لسبيكة البراص ألفا أ.م.د. اسراء عبد القادر مريم عبد العظيم باقر	218

PDF created with pdfFactory Pro trial version www.pdffactory.com