



Table of Contents

No.	Title	Page
1	Experimental Study of Cotton stalks Gasification in a Downdraft Reactor <i>A. Khalil, Ayman I. Bakry, Magda K. El-Fakharany, and Karim Rabea</i>	1
2	Numerical Study for Performance Evaluation of Plastic Solar Air Heater with Different Cross-Sectional Configuration <i>Ayman I Bakry, Yaser A.F. El-Samadony, S. S. Elsayed, and E. E. Ebied</i>	16
3	Performance of a Pyramid Solar Still with Stepped Trays: Experimental Approach <i>Ayman I. Bakry, Yaser A.F. El-Samadony, H. M. El-Gohari, and M. Ismail</i>	30
4	Automated Optimization of Centrifugal Compressors “Eckardt Rotor O” <i>Aly M. Elzahaby, Mohamed K. Khalil, and Mohammed E. AlMoghazy</i>	47
5	Structural Performance for Wide-Shallow Beam In Shear (Comparative Study) <i>Abd El-Hakim Khalil, Emad Etman, Ahmed Atta, Ahmed T. Baraghith, and R. N. Behiry</i>	62
6	Evaluation Structural Strength for Beams and Two-Way Roof Slab Systems Using Core Test and Load Test and Analyzing The Causes of Their Failure. <i>Mohammad A. Al Zuhaili, and Khalid Y. A. Al Mazrouei</i>	75
7	Membership Function Based on Similarity and Dissimilarity <i>E. Elsodany, and A. M. Kozae</i>	90
8	Removing of Toxic Cr (VI) Ions from Wastewater using Different Adsorbents <i>A. M. Ahmed, Ahmed A. Abd El-Khalek, and Mona A. Derweesh</i>	99
9	Topological Approximations Based on Relations Induced from Differences <i>Rukaia M. Rashed, and A. A. Azzam</i>	117
10	Combined DMS and DGS Techniques for Compact and Low Cutoff Frequency LPF Design <i>Sara M. Meeper, Amr H. Hussein, and Mahmoud A. Attia</i>	128
11	Evaluation of Visual Performance of Religious Urban Open Spaces (Case study: Al- Sayyida Nafisa Mosque Square in Cairo, Egypt) <i>تقييم الأداء البصري للفراغات العمرانية ذات الطابع الديني (دراسة حالة فراغ مسجد السيدة نفيسة)</i>	131



	بالقاهرة - مصر)	
	<i>Nourhan Mahmoud Mohammed Ibrahim Ali</i>	
12	Methodology to evaluate acoustic performance in educational spaces by Different Methods <i>Ahmed Abd-Alwahab Rezk, Huda Soliman Sideak, Hosny Ahmed Dewar, Mahmoud Muhamed Abd-Alrazik, and Rania Abdo Aly-Aldean</i>	138
13	تأثير الصوت والتهوية على البيئة التعليمية الخاصة بأطفال المتلازمة داون <i>أحمد عبدالوهاب رزق، أحمد حسين أبوالسعادات، سهام الموزي</i>	146
14	The Role of Soft Mobility Towards Strengthening Urban Transformation and Sustainable Well-Being: Case Study: Mansoura City, Egypt <i>Mai Wahba Madkour, and Alaa A. Elmanzlawi</i>	153
15	مدينة طنطا التاريخية قيم عمرانية وإدراجها في خطط التنمية المستقبلية <i>علاء الدين علوى الحبشي، الزهراء عبدالوهاب محمد جيل</i>	167