



research update

Issue 2

November 2017



monthly publication by
Research Administration Office



BUE OVERLL RANK	2018	2017
ARAB REGION	71-80	81-90
EGYPT all universities	11	13
non-government	3	3
private universities	1	1

986 Arab universities
50 Egypt universities

BUE RANK BY INDICATORS (ARAB REGION) 2018 EDITION

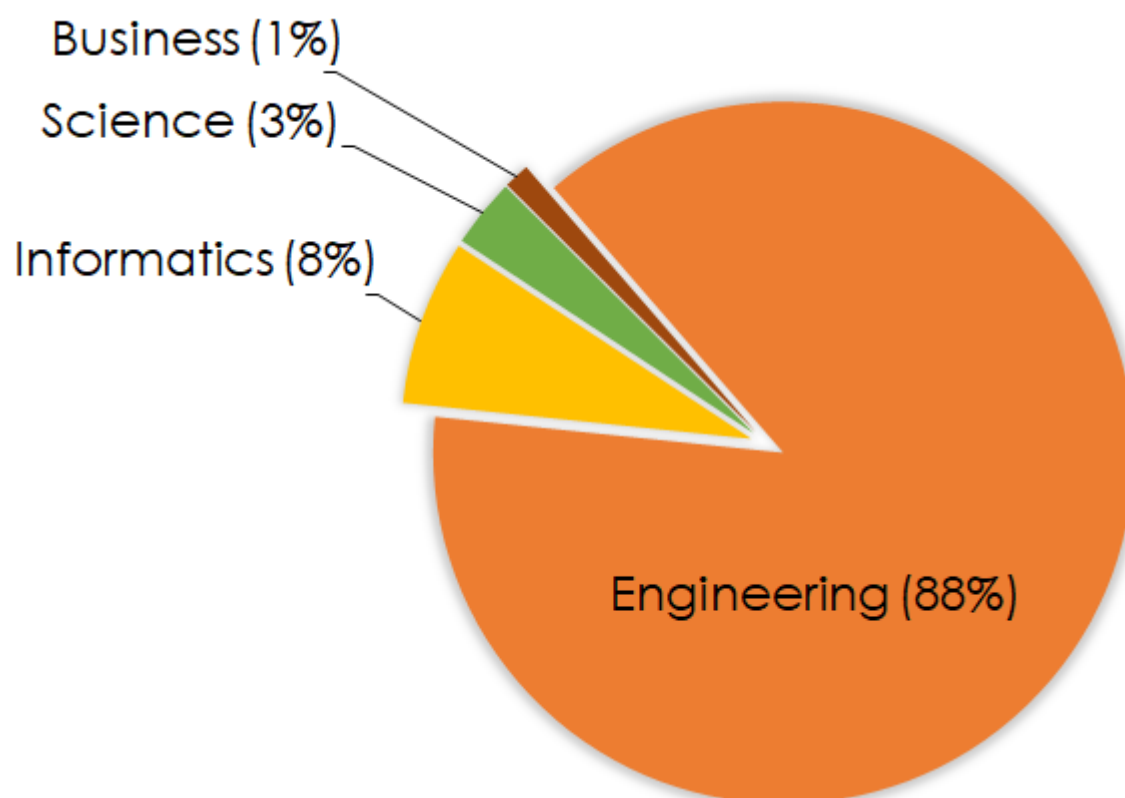
Academic Reputation	51+	●	
Employer Reputation	51+	●	
Faculty Student	32	▲	7
Staff with PhD	110	▼	-9
Papers per Faculty	54	▲	11
International Faculty	91	▲	10
International Students	79	▲	22
Web Impact	87	▼	-16
Citations per Paper	49	▲	5



Recent Research Grants

(October 2017)

- Prof. Ahmed El-Baz • Engineering • Wind Engineering Skills in Egypt and Tunisia • € 123,110 • EU/Erasmus+.
- Prof. Ahmed El-Baz • Engineering • Small Wind Energy System Innovations • EGP 159,600 • Science and Technology Development Fund (STDF).
- Dr. Ann Nosseir • Informatics and Computer Science • Multimodal Driver Fatigue Detection Correlated with Road Traffic Conditions • EGP 1,444,602 • STDF.



**38.6 M EGP
overall external
research funding**

**3.6 M EGP
added in October 2017**

Recent Research Centres

CENTRE FOR DENTISTRY & ORAL RESEARCH

CENTRE FOR LAW & TECHNOLOGY RESEARCH

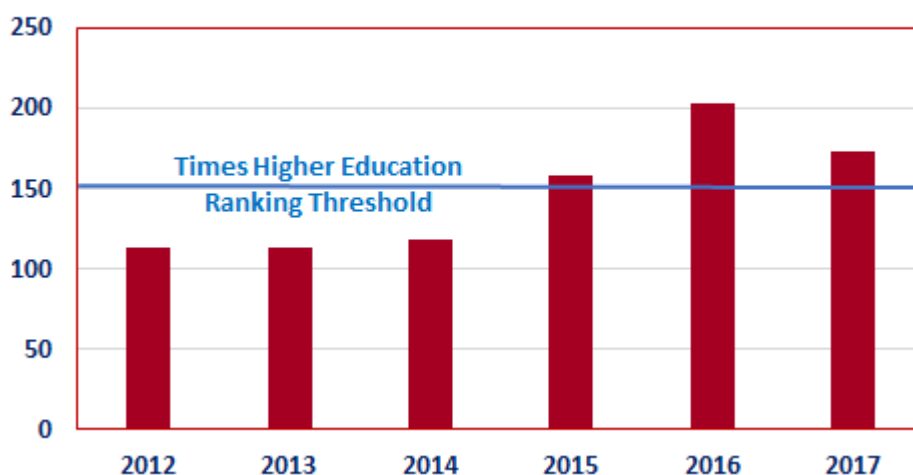


Recent Publications Scopus

(October 2017)

1. Aboelazayem O., Gadalla M., Saha B. (2017) "Biodiesel production from waste cooking oil via supercritical methanol: Optimization and reactor simulation," *Renewable Energy. Article in press.*
2. Attia Y.M., Tawfiq R.A., Ali A.A., Elmazar M.M. (2017) "The FXR Agonist, Obeticholic Acid, Suppresses HCC Proliferation & Metastasis: Role of IL-6/STAT3 Signalling Pathway," *Scientific Reports* 7 (1).
3. Duong V.-H., Bastawrous H.A., See K.W. (2017) "Accurate approach to the temperature effect on state of charge estimation in the LiFePO₄ battery under dynamic load operation," *Applied Energy* 204, pp.560-571.
4. Eldehna W.M., Almahli H., Al-Ansary G.H., Ghabbour H.A., Aly M.H., Ismael O.E., Al-Dhfyhan A., Abdel-Aziz H.A. (2017) "Synthesis and in vitro anti-proliferative activity of some novel isatins conjugated with quinazoline/ phthalazine hydrazines against triple-negative breast cancer MDA-MB-231 cells as apoptosis-inducing agents," *Journal of Enzyme Inhibition and Medicinal Chemistry* 32 (1), pp. 600-613.
5. Eldesoky I.M., Abdelsalam S.I., Abumandour R.M., Kamel M.H., Vafai K. (2017) "Interaction between compressibility and particulate suspension on peristaltically driven flow in planar channel," *Applied mathematics and Mechanics (English Edition)* 38 (1), pp.137-154.
6. El-Nowihy G.H., Mohammad A.M., Khalil M.M.H., Sadek M.A., El-Deab M.S. (2017) "Investigating a sequentially assembled MnOx/Pt nanocatalyst as a potential anode for ethylene glycol fuel cells," *International Journal of Electrochemical Science* 12 (1), pp.62-73.
7. Hassan H., Mostafa A., Shawish A. (2017) "ESSAC: Enhanced scalable secure access control framework for cloud storage," *ACM International Conference Proceeding Series, Part F130522.*
8. Syed Zwick H., Syed S.A.S. (2017) "Great Recession impact on European labor markets integration: cluster analyses," *International Journal of Manpower*, 38 (7), pp.1016-1035.
9. Teaima M.H., Abdelhalim S.A., El-Nabarawi M.A., Attia D.A., Helal D.A. (2017) "Non-ionic surfactant based vesicular drug delivery system for topical delivery of caffeine for treatment of cellulite: design, formulation, characterization, histological anti-cellulite activity, and pharmacokinetic evaluation," *Drug Development and Industrial Pharmacy*, pp. 1-14. *Article in press.*
10. Torky A.A., Rashed Y.F. (2017) "GPU acceleration of the boundary element method for shear-deformable bending of plates," *Engineering Analysis with Boundary Elements* 74, pp.34-48.

BUE Publications (Scopus)



535 publications in 2015-2017

173 publications in 2017

10 publications in October 2017