

Print

More

Add to Marked List

2 of 4

Enhancing the housing industry in Egypt through the application of new design and construction techniques aimed towards sustainability and actual market demand

By: [Aboneama, WA](#) (Aboneama, Wael Ahmed)^[1][View Web of Science ResearcherID and ORCID](#)

CITIES' IDENTITY THROUGH ARCHITECTURE AND ARTS

Edited by: [Catalani, A](#); [Nour, Z](#); [Versaci, A](#); [Hawkes, D](#); [Bougdah, H](#); [Sotoca, A](#); [Ghoneem, M](#); [Trapani, F](#)

Pages: 379-388

Published: 2018

Document Type: Proceedings Paper

Conference

Conference: 1ST INTERNATIONAL CONFERENCE ON CITIES IDENTITY THROUGH ARCHITECTURE & ARTS

Location: CAIRO, EGYPT

Date: MAY 11-12, 2017

Sponsor(s): Helwan Univ Egypt; Helwan Univ, Fac Fine Arts; Egyptian Architects Assoc; Int Experts Res Enrichment & Knowledge Exchange; Beta Egypt Urban Dev; Scib Paints

Abstract

The housing industry and housing production in Egypt are facing a catastrophic situation. Nobody can deny the housing problems in Egypt. More than 80% of Egyptians are living in slums. Around 20% of all Egyptians are living in non-healthy homes ((ECES), 2010). Billions of US dollars are spent every year in building new, high-style compounds in Egypt which leads to a recession of selling these units. The whole world is now focusing on sustainability and has started renovation and replacement programmes for housing. On the other hand, in Egypt we are still looking to meet the housing demand. Housing problems in Egypt are not related to low investment in this sector, but to the wrong direction for this housing investment. In other words, the production is focused on only one housing sector, which is only around 10% and the supply is more than the demand, however it costs more and more than all other types of housing. In addition to the wrong policies, all house construction is focused on one type of construction which is reinforced concrete (post and lintel), casting on-site (Stephen Everhart, June 2006). This research will present different types of sustainable construction for all housing types as one of the key solutions, and also to meet market demand and to solve this problem in the right way.

Keywords

Author Keywords: [Housing industry](#); [Sustainability](#); [Design and construction techniques](#); [Market demand](#)

Author Information

Reprint Address: [Aboneama, WA](#) (reprint author)

+ Helwan Univ, Fac Fine Arts, Dept Architecture, Cairo, Egypt.

Addresses:

+ [1] Helwan Univ, Fac Fine Arts, Dept Architecture, Cairo, Egypt

Publisher

CRC PRESS-BALKEMA, PO BOX 11320, LEIDEN, 2301 EH, NETHERLANDS

Categories / Classification

Research Areas: [Architecture](#); [Art](#); [Urban Studies](#)Web of Science Categories: [Architecture](#); [Art](#); [Urban Studies](#)

Document Information

Language: English

Accession Number: WOS:000450422500037

ISBN: 978-1-315-16655-1; 978-1-138-05409-7

Other Information

IDS Number: BL4IF

Cited References in Web of Science Core Collection: **43**

Citation Network

In Web of Science Core Collection

0

Times Cited

Create Citation Alert

43

Cited References

[View Related Records](#)

Use in Web of Science

Web of Science Usage Count

0

Last 180 Days

0

Since 2013

[Learn more](#)

This record is from:

Web of Science Core Collection

- Conference Proceedings Citation Index-Social Science & Humanities

Suggest a correction

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

[See fewer data fields](#)**Cited References: 43**Showing 30 of 43 [View All in Cited References page](#)*(from Web of Science Core Collection)*

- | | | |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1. | Title: [not available]
By: Aboneama, W.
The impact of economic changes on housing in Egypt between 1973-1998 Published: 2002
Publisher: Helwan University, Cairo | Times Cited: 1 |
| 2. | the praise expressed by various political elements for this visit
By: [Anonymous].
al- Ahram Published: January 8 2015 | Times Cited: 3 |
| 3. | Title: [not available]
By: [Anonymous].
Allegria Published: 2016
Retrieved from Housing compound in Egypt
URL: http://top10cairo.com
http://top10cairo.com/wp-content/uploads/2016/02/allegria.jpg | Times Cited: 1 |
| 4. | Golf compounds
By: [Anonymous].
BUSINESSANDNEWS Published: 2015
Retrieved from
URL: http://businessandnews.com/ http://businessandnews.com/uploads/thumbs/f1c/f1c113481be1220a20ad322d9ece9004.jpg | Times Cited: 1 |
| 5. | Title: [not available]
Group Author(s): Aqarmap
Neighborhood Published: 2016
Retrieved from Cairo | Times Cited: 1 |
| 6. | Title: [not available]
Group Author(s): B-static
Hotels in Cairo Published: 2010
Retrieved from
URL: https://q.bstatic.com/ https://q.bstatic.com/images/hotel/max1024x768/212/21246355.jpg | Times Cited: 1 |
| 7. | Title: [not available]
Group Author(s): cairofrombelow
Cairo-photographed Published: 2011
Retrieved from Al-Masri Al-youm | Times Cited: 1 |
| 8. | Title: [not available]
Group Author(s): claysandstraw
Adobe construction Published: 2005
Retrieved from Clay construction | Times Cited: 1 |
| 9. | Title: [not available]
Group Author(s): d2wpnc0srowh1f.cloudfront.net
adobe-bricks-baking Published: 2014
Retrieved from Adobe construction | Times Cited: 1 |
| 10. | Title: [not available]
Group Author(s): designenterprises
Polystyrene Published: 2010
Retrieved from sustainable construction techniques | Times Cited: 1 |
| 11. | Title: [not available] | Times Cited: 1 |

Group Author(s): ECES
Dead capital and the poor in Egypt (appendices) Published: 2010
Publisher: The Egyptian center for economic study, Cairo, Egypt

12. **Sustainable Cities in Egypt, Learning from Experience: Potentials** Times Cited: 1
By: Edgar Goell, N.E.-L.
C. f. Studies Published: 2008
Publisher: The Egyptian Cabinet-Information and Decision Support Center, Cairo
13. Title: [not available] Times Cited: 1
Group Author(s): EIPR
Drafting a Fair Housing Policy for Egypt: EIPR Housing Policies Paper II Published: July 2014
Publisher: Egyptian initiative for personal rights, Egypt
14. Title: [not available] Times Cited: 1
Group Author(s): El-badil
Egypt Slums Published: 2014
Retrieved from Slums
15. Title: [not available] Times Cited: 1
By: El-Shafei, Z.
Comparison of core housing designs proposed in Egypt Published: 2001
Publisher: Cairo University, Cairo-Egypt
16. **Hassan Fathy: The unacknowledged conscience of twentieth century architecture** Times Cited: 1
By: El-Shorbagy, A.-m.
International Journal of Basic & Applied Sciences IJBAS- IJENS Volume: 10 Issue: 02 Pages: 29-35 Published: 2010
17. Title: [not available] Times Cited: 1
By: Hamid, Z.b.
Green materials-What are the standards and specifications for green materials certifications? Published: 2014
Publisher: Precast concrete, Malaysia
18. Title: [not available] Times Cited: 1
By: Hamza, H.
The Northern Cemetery of Cairo Cairo Published: 2001
Retrieved from
Publisher: The American University in Cairo Press
URL: [https://en.wikipedia.org:https://en.wikipedia.org/wiki/City_of_the_Dead_\(Cairo\)](https://en.wikipedia.org:https://en.wikipedia.org/wiki/City_of_the_Dead_(Cairo))
19. Title: [not available] Times Cited: 1
Group Author(s): i.pinimg
Adobe construction Published: 2011
Retrieved from Hassan Fathy
20. Title: [not available] Times Cited: 1
Group Author(s): i.pinimg
Cairo Published: 2009
Retrieved from Slums
21. Title: [not available] Times Cited: 1
Group Author(s): images.sunshine
Tourism in Egypt Published: 2013
Retrieved from
22. Title: [not available] Times Cited: 1
Group Author(s): Ladyegypt
Golf compounds Published: 2014
Retrieved from High class housing in Egypt
URL: <https://www.ladyegypt.com/files/large/dbb516eb573fe3d/720/478/fit>
23. Title: [not available] Times Cited: 1
By: Malterre, C.
Housing Cairo-From small-scale informal housing construction to semi-professional speculative urban schemes Published: 2016
Publisher: Architecture Dep. , Chair of Marc Angelil, Neunbrunnenstrasse, Zurich

24. Title: [not available] Times Cited: 1
Group Author(s): media.linkonlineworld
Cairo Published: 2014
Retrieved from Images
25. Title: [not available] Times Cited: 1
Group Author(s): MEI
Alexandria Published: 2011
Retrieved from Middle East Institute
26. Title: [not available] Times Cited: 1
Group Author(s): metropolitiques
Slums in Egypt Published: 2013
Retrieved from Destroying planting farms in Egypt
27. Title: [not available] Times Cited: 1
By: Mohamed Soliman, I. H.
New urban communities in Egypt (Policies & useful lessons) Published: 2005
28. **Protect the Planet through Sustainability Rating Systems with Local Environmental Criteria - LEED in the Middle East** Times Cited: 5
By: Neama, Wael Ahmed Shaaban Abo
AICE-BS 2012 CAIRO (ASIA PACIFIC INTERNATIONAL CONFERENCE ON ENVIRONMENT-BEHAVIOUR STUDIES) Book Series: Procedia Social and Behavioral Sciences Volume: 68 Pages: 752-766 Published: 2012
29. Title: [not available] Times Cited: 1
Group Author(s): nmisr
Slums images Published: 2015
Retrieved from Egypt-slums
30. Title: [not available] Times Cited: 1
By: O'Donnell, S.
Informal Housing in Cairo: Are Ashwa'iyyat Really the Problem? Published: 2009

Showing 30 of 43 [View All in Cited References page](#)

