

## **Curriculum vita and publication lists**

*Prof. Dr. Taha Ashour*



### **Personal data:**

**Date of Birth** : 12.03. 1970.

**Nationality** : Egyptian.

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### **Education and training:**

**1992** : B.Sc. (Agriculture Engineering), Benha University, Egypt.

**1993** : International TEOFL Language from American University in Cairo.

**1998** : M.Sc. (Agricultural Engineering), Faculty of Agriculture, Benha University, Egypt, entitled “Environmental Studies for Broiler Houses in Kaliobia Governorate“, the goal of this research was how to cool the Broiler houses by using evaporating pads cooling system, many pads were made from local materials like rice straw, and palm fibers pads in order to minimize the cost of this system.

**2001** : Scholarship from the Egyptian Government for Ph.D thesis entitled “The Use of Renewable Agricultural By-Products As Building Materials“, Specially, Straw bale as building materials. The period of study was two

- years at the Institute of Production Engineering and Building Research, Federal Agriculture Research Center in Braunschweig, Germany.
- 2002** : Studying of German language at Goethe Institute in Cairo.
- 2003** : Ph.D. degree (Agricultural Engineering), Benha University, Egypt,
- 2006** I attended and met the standards required for completion of a training course in: **Management of Scientific Research**, Benha University, Egypt.
- 2006** I attended and met the standards required for completion of a training course in: **Teaching Evaluation**, Benha University, Egypt.
- 2006** I attended and met the standards required for completion of a training course in: **Concepts of Information Technology(IT)**, Benha University, Egypt.
- 2006** I attended and met the standards required for completion of a training course in: **Using Computer and Managing Files**, University, Egypt.
- 2007** : Post doctor in Germany entitled "The use of natural plaster materials for straw bale buildings" at the Institute of Production Engineering and Building Research, Federal Agriculture Research Center in Braunschweig, Germany.
- 2007** : ICDL" International Computer Driving License" Certificate from united nation with the serial number of UN07014941 at 20.05.2007.
- 2007** I attended and met the standards required for completion of a training course in: **Strategic Planning**, Benha University, Egypt.
- 2007** I attended and met the standards required for completion of a training course in: **Competitive Research**, Benha University, Egypt.
- 2007** : Researches about earth plaster for straw bale building at the Institute of Geotechnical Engineering, University of Natural Resources and Applied

Sciences, Vienna. The results also publish in different international scientific journals.

**2007** I attended and met the standards required for completion of a training course in: **Word Processing**, Braunschweig University, Germany.

**2007-2008** : *Post doctor* at the institute of production Engineering and Building research, Braunschweig, Germany.

**2008-2010** : *Post doctor* at the institute of Geotechnical Engineering, University of Natural Resources and Applied Life Sciences, Vienna, Austria.

**2010-2011** : *Post doctor* at the Institute of Building Construction and Technology, Research, Vienna University of Technology, Vienna, Austria.

**2012** I attended and met the standards required for completion of a training course in: **University Management**, Benha University, Egypt.

**2012** I attended and met the standards required for completion of a training course in: **Managing Time and Meetings**, Benha University, Egypt.

**2012** I attended and met the standards required for completion of a training course in: **Use of Technology in Teaching**, Benha University, Egypt.

**2012** I attended and met the standards required for completion of a training course in: **Self Evaluation and External Reviewing**, Benha University, Egypt.

### **EMPLOYMENT & PROFESSIONAL EXPERIENCE:**

**1992-1993** : Structures and Environmental devices in the greenhouses.

**1993** : *Demonstrator*, of Agriculture Engineering Department, Benha University, Egypt.

**1998** : *Assistant Lecturer*, of Agriculture Engineering Department, Benha University, Egypt.

**2003** : *Lecturer*, of Agriculture Engineering Department, Benha University, Egypt.

**2003-2007** : Teaching the following courses at the department of Agriculture Engineering, Benha University, Egypt.

Recycling of agricultural by-Products – *Thermodynamic- Materials properties and its testing - Agriculture survey-Theory of structure - Structures and farm buildings - Animal stables and its equipment -Farm buildings - Farm power and Energies - Environmental Control.*

**2007-2008** : *Post doctor* at the institute of production Engineering and Building research in Germany.

**2008-2010** : *Post doctor* at the institute of Geotechnical Engineering, University of Natural Resources and Applied Life Sciences, Vienna, Austria.

**2010-2011** : *Post doctor* at the Institute of Building Construction and Technology, Research, Vienna University of Technology, Vienna, Austria.

**2011-2016** : *Associate Professor*, of Agriculture Engineering Department, Benha University, Egypt.

**2016-Present** : *Professor*, of Agriculture Engineering Department, Benha University, Egypt.

### **Honorary posts and scientific associations:**

**1993** : Member of the Misr Journal of Agricultural Engineering.

**2003** : Member of the German Professional Association of straw Bale Building "fachverband Strohballenbau Deutschland e.V. (fasba). <http://www.fasba.de/>

**2009** : General Secretary of the “European Arab Association of Inventors and Technology Cooperation (EAAITC)”, Vienna, Austria.

**2010** : Reviewer for the following Journals:

: International Journal of Sustainable Engineering,

<http://www.tandf.co.uk/journals/titles/19397038.asp>

:International Journal of Multidiscipline Modeling in Materials and Structures (MMMS)

<http://www.emeraldinsight.com/products/journals/journals.htm?id=mmms>

**2015** :Journal of Ecological Engineering,

<http://www.journals.elsevier.com/ecological-engineering/>

**2015** : Journal of Energy and Buildings,

<http://www.journals.elsevier.com/energy-and-buildings/>

**2016** : Journal of Buildings and Environment,  
<http://www.journals.elsevier.com/building-and-environment/>

**2016** : Journal of Cleaner Production,  
<http://www.journals.elsevier.com/journal-of-cleaner-production>

### **Other skills:**

Project management skills, consulting, training and coordinating skill.

### **Key qualifications:**

I am working in research and teaching for the agriculture engineering department at Benha University, developing my interests in the areas of sustainable building materials, especially straw bale houses and renewable materials. I completed his PhD in the field of Building and Environment, especially straw bale buildings in 2003. I received a post doctoral degree for earth plaster of straw bale buildings at the Institute of Production Engineering and Building Research, Braunschweig, Germany. I received a post doctoral at the institute of Geotechnical Engineering, University of Natural Resources and Applied Life Sciences. I was a project manager at the institute of Geotechnical Engineering, University of Natural Resources and Applied Life Sciences, Vienna, Austria. I published several papers in ISI journals with high impact factors. I was also a member of Project at the Institute of Building Construction and Technology, Research, Vienna University of Technology, Vienna, Austria.

### **Relevant Publications:**

#### ***International Books and Book Editorships***

**Ashour, T. Wu, W., (2011)**, Writing a chapter entitles “Using barley straw as building materials” in “Barley: Cultivation, Production and Uses”, Agriculture Issues and Policies series, Nova Publishers, New York, ISBN 978-1-61209-745-9.

**Ashour, T., Berhy, T., Wu, W., (2012)**, Writing a chapter entitles “Embankments and earthfill dams” in “Modern earth buildings: Materials, engineering, constructions and applications: Edited by M Hall, University of Nottingham, UK, R Lindsay, Earth Structures Pty Ltd, Australia and M Krayenhoff, SIREWall Inc, Canada, Woodhead Publishing Series in Energy No. 33,ISBN 0 85709 026 7 ,ISBN-13: 978 0 85709 026 3.

**Ashour, T. (2016)**, Writing a chapter entitles “Composites using agricultural wastes“ in Handbook of Composites from Renewable Materials, Volume 2: Design and Manufacturing, edited by Vijay Kumar Thakur, Manju Kumari Thakur and Michael R Kessler, Washington State University, United States, Publisher John Wiley & Sons Inc, ISBN10 1119224365, ISBN13 9781119224365, Under press.

### **Some Journal articles:**

1. **Zak, P., Ashour, T., Korjenic A., Korjenic, S., Wu, W., (2016)**, The influence of natural reinforcement fibers, gypsum and cement on compressive strength of earth bricks material, Construction and Building Materials, 106, 179–188. (Impact Factor 2.421)
2. **Alsadon, A., Al-Helal, I., Ibrahim, A., Abdel-Ghany, A., Al-Zaharani, S., Ashour, T., (2016)**, The effects of plastic greenhouse covering on cucumber(*Cucumis sativus L.*) growth, Ecological Engineering, 87, 305–312. (Impact Factor 2.74)
3. **Ashour, T., Korjenic, A., Korjenic, S., Wu, W., (2015)**, Thermal conductivity of unfired earth bricks reinforced by agricultural wastes with cement and gypsum, Energy and Buildings 104, 139–146. (Impact Factor 2.973)
4. **Ashour, T., Korjenic, A., Korjenic, S., (2015)**, Equilibrium moisture content of earth bricks stabilized with cement and gypsum under wheat and barley

- reinforcement fibres. *Cement & Concrete Composites* 59, 18–25 (Impact Factor: 3.399 ).
5. **Georg, H., Ashour, T., (2012)**, Sustainable livestock buildings – a challenge for the future of organic farming. 2nd Organic Animal Husbandry Conference, Hamburg, Trenthorst, Germany, [http://www.ti.bund.de/fileadmin/dam\\_uploads/vTI/Publikationen/Thuenen%20Report/lbf\\_sh\\_362.pdf](http://www.ti.bund.de/fileadmin/dam_uploads/vTI/Publikationen/Thuenen%20Report/lbf_sh_362.pdf)
  6. **Ashour, T., Heiko, G., Wu, W., (2011)**, An experimental investigation on equilibrium moisture content of earth plaster with natural reinforcement fibres for straw bale buildings. *Journal of Thermal Engineering*, 31:293-303. (Impact Factor 3.043)
  7. **Ashour, T., Georg, H., and Wu, W., (2011)**, Performance of straw bale wall: A Case of study. *Journal of Energy and Buildings*, 43:1960-1967. (Impact Factor 2.973)
  8. **Ashour, T., Wu, W., (2011)**, Using of wheat straw as a natural reinforcement fibres of earth plaster for straw bale buildings. In: European Geosciences Union General Assembly 2011, Geophysical Research Abstracts Vol. 13 EGU 2011 [European Geosciences Union General Assembly 2011, Vienna, Austria, April 3-8, 2011]
  9. **Ashour, T., Rauchecker, M., Wu, W., (2011)**, The influence of cement, gypsum and lime on the compressive strength of un-fired earth bricks. In: European Geosciences Union General Assembly 2011, Geophysical Research Abstracts Vol. 13 EGU 2011 [European Geosciences Union General Assembly 2011, Vienna, Austria, April 3-8, 2011]
  10. **Ashour, T., Wieland, H., Georg, H., Bockisch, F-J., Wu, W., (2010)**, The Influence of Natural Reinforcement Fibres on Insulation Values of Earth Plaster for Straw Bale Buildings, *Materials and Design*, 31:4676-4685. (Impact Factor 3.994)
  11. **Ashour T., Wu W., (2010)**, An experimental study on shrinkage of earth plaster with natural fibres for straw bale buildings. *International Journal of Sustainable Engineering*, 3(4): 299-304 .

12. **Ashour T., Wu W., (2010)**, The influence of natural reinforcement fibres on erosion properties of earth plaster materials for straw bale buildings. *Journal of Building Appraisal*, 5(4):329-340.
13. **Ashour, T., Bahnasawy A., Wu W., (2010)**, Compressive strength of fibre reinforced earth plasters for straw bale buildings. *Australian Journal of Agriculture Engineering*, 1(3):86-92.
14. **Ashour T., Bahnasawy A., Ali S., (2010)**, Absorption and desorption behavior of some clay-sandy plasters reinforced with natural fibres used for straw bale buildings. *Journal of Building Appraisal*, 6(2):171-181.
15. **Ashour T., (2007)**, Equilibrium moisture content for some natural insulating materials. *Misr J. of Agriculture Engineering*, 24(2): 198-215.
16. **Ashour T., (2003)**, The use of renewable agricultural by-products as building materials, Ph.D thesis "<http://www.downloads.fasba.de>", Conservation consultants (World wide), [www.cc-w.co.uk/SB\\_Resources.htm](http://www.cc-w.co.uk/SB_Resources.htm)