

Curriculum Vitae
for
Baher Mahmoud Ahmed Amer



<u>Work :</u> Work Address: Agric. Eng. Dept., Faculty of Agric., Cairo Univ., El-Gamaa St., Giza, Egypt. Tel. Number : 002-02-35738929. Fax Number : 002-02-35717355.	<u>Home:</u> Address : 6 Mathaf El-Manial St., Cairo, Egypt. Tel. Number : 002-02-23793704. Mobile Number : 002-012-9537876. E-mail : baherbmaa@yahoo.com
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1. Personal Data:

First Name : Baher.
Middle Name : Mahmoud Ahmed.
Family Name : Amer.
Sex : Male
Date of Birth : June, 1, 1973.
Citizenship : Egyptian.
Religion : Moslem
Marital Status : Married (two Children).

2. Employment:

Name of Employer : Agricultural Engineering Department, Faculty of Agriculture, Cairo Univ. Egypt.
Previous Position : Demonstrator, (From Oct. 1994 to Jun., 2000).
Previous Position : Assistant Lecturer, (from Jun. 2000 until now).
Current Position : Assistant professor, (since March 2007).

3. Qualifications and Achievements:

- **Secondary** : Graduated in 1990 from Ibrahimya Secondary School, Cairo, Egypt. Period from October 1987 to June 1990.
- **University** : Bachelor Degree in Agricultural Engineering Science, Cairo Univ., Egypt, from October 1990 to May 1994.

• **Higher Degree :**

1. M.Sc. Degree in Agric. Eng., branch of the Agricultural Products Engineering, in a title of “Determination Of Drying Rates Of Fruits As A Function Of The Affecting Factors Under Conditions Suiting Solar Drying”, Agric. Eng. Dept., Cairo University, Egypt, 1999.
2. Ph.D. in Agric. Eng., branch of the Agricultural Products Engineering, in a title of “A hybrid solar fruit drying system for small-scale farmers in subtropical and tropical countries”, Agric. Eng. Dept., Humboldt University Berlin, Germany, 2006.

4. Scientific Missions:

- One year scholarship for Research in Ph.D. by German Academic Exchange Service (DAAD), in Technical University Berlin, Germany, during the period from Oct. 2002 to Sept. 2003.
- Full-scholarship (3 years) for Ph.D. by Islamic Development Bank (IDB), in Humboldt University Berlin, Institute of Agricultural Engineering, Potsdam, Germany, during the period from Oct. 2003 to Sept. 2006.
- Postdoctoral Research by German Academic Exchange Service (DAAD), in Institute of Agricultural Engineering, Potsdam, Germany, during the period from June 2009 to Sept. 2009.
- Postdoctoral Research by Fulbright Commission, at Department of Biological Systems Engineering, Washington State University, USA, during the period from Jan. 2010 to Jan. 2011.

5. Academic Activities:

- *Teaching of many academic courses for undergraduate and postgraduate students, such as:* Principles of Agricultural Engineering – Principles of Heat Transfer – Food Processing and Handling – Physical Properties of Agricultural Products – Thermodynamics – Food Processing Engineering – Surveying – Farm Machinery – Theory and Machine Design – Hydraulics – Engineering Drawing – Agricultural Equipments.
- Contributed in many of the training programs in Agric. Eng. Dept., Faculty of Agric., Cairo University since October 1994 until June 2002, and from October 2006 till now.
- Participated (presentation and discussion) in Seminars for Agric. Eng. Dept., Faculty of Agric., Cairo Univ. from October 1994 until June 2002, and from October 2006 till now.
- Preparing a lectures book for some academic courses (Principles of Heat Transfer – Thermodynamics - Food Processing Engineering) for the undergraduate students, 2009.
- Preparing and producing an academic course (Principles of Heat Transfer) as an electronic course for the undergraduate students, 2009, E-learning Centre, Faculty of Agriculture, Cairo University.
- Preparing and producing an academic course (Thermodynamics) as an electronic course for the undergraduate students, 2009, E-learning Centre, Cairo University.
- Participated in Internal peer reviewer in Faculty of Agriculture, Cairo University, April 2008.

- Participated in Quality of High Education in Faculty of Agriculture, Cairo University, March 2008.
- Participated in Egyptian-German Tempus Seminar at Helwan University, 6-7 June 2007.
- Participated by oral presentation in the 4th Workshop on Control Applications in Post-Harvest and Processing Technology (CAPPT), Potsdam-Bornim, Germany, 2006.
- Participated by oral presentation in the 15th International Drying Symposium (IDS) August 2006, Budapest, Hungary.
- Participated by oral presentation in the CIGR-World Congress, Sept. 2006, Bonn, Germany.
- Participated (presentation and discussion) in Seminars for Agric. Eng. Dept., Faculty of Agriculture And Horticulture, Humboldt Univ. Berlin and Institute of Agricultural Engineering, Potsdam, Germany, since October 2002 until October 2006.
- Participated by oral presentation in the Inter American Drying Conference (IADC) 2005, McGill University, Montreal, Canada.
- Participated by poster in the 16th World Congress (IFAC), July 2004, Czech Technical University, Prague, CZ.
- Participated by oral presentation in 8th EurAgEng Conference “NEW METHODS, MEANS AND TECHNOLOGIES FOR APPLICATION OF AGRICULTURAL PRODUCTS”. Institute of Agricultural Engineering, Lithuanian University of Agriculture, Lithuania, Sept. 2003
- Participated by poster in the Deutscher Tropentag. 2003, Göttingen, Germany.
- Participated in the seventh conference of Misr Society of Agricultural Engineering On “*The Role of Agricultural Engineering and Mechanization in The Large Scale Agricultural Development Projects in Egypt*”, October 1999. Agric. Eng. Dept., Faculty of Agric., Alex. University, Egypt.
- Participated the 3rd conference of Misr Society of Agricultural Engineering On “*The Role of Agricultural Cultural Engineering In Sustainable Development*”, October 1995. Agric. Eng. Dept., Faculty of Agric., AL-Azhar University, Nasr City, Egypt.
- Participated in 1st. *International Conference on Rationalization of Energy In Agriculture (I.C.R.E.A.)*, March 1998. Agric. Eng. Dept., Faculty of Agric., Mansoura University, Egypt.
- Participated in the sixth conference of Misr Society of Agricultural Engineering On “*Integrated Local and Foreign Manufacturing of Agricultural Equipment and Machinery*”, October 1998. Meet El-Deeba Center, Kafr El-Sheikh Governorate, Egypt.

6. Academic Duties and Community service:

- Member in one committee of the Continuous Improvement Quality Accreditation Project (CIQAP) in faculty of Agriculture, Cairo Univ. Egypt since April 2008 until now.

7. Organizing Experiences:

- Participated in the undergraduate's conference organizing committees on "*International Conference on Technological Techniques for Handling Agricultural Products*". April, 1993. Agric. Eng. Dept., Faculty of Agric., Cairo Univ., Egypt.
- Participated in the conference organizing committees on "*Technological Techniques for Farm Irrigation Development in Rural and New Areas*". April, 1996. Agric. Eng. Dept., Faculty of Agric., Cairo University, Egypt.

8. Membership in The Syndicates and The Societies:

- Honorary member in "*The Association of Agricultural Engineering*" since 1994.
- Member in "*The Egyptian Agricultural Syndicate*" since 1994.
- Member in "*Misr Society of Agricultural Engineering*" (MSAE), Egypt since 1998.
- Reviewer in the "*International Journal of Food Science and Technology*" since 2006.
- Reviewer in the "*Journal of Food Science & Technology*" since 2010.
- Reviewer in the "*Journal of Agricultural Science and Technology*" since 2010.

9. Awards and Honors:

- International Publications Awards, Issue IV, May 2009 by Cairo University.

10. Training Courses:

- Training Course "*On Agricultural Application of Laser*", at National Institute of Enhanced Sciences, Cairo University. (Feb., 2000).
- **Languages:**
 1. *In English Language*, at The American University in Cairo (AUC), Egypt, during the period from March. 1995 to June 1995.
 2. *In English Language*, at Faculty of Arts, Cairo University, during the period from Feb. 1998 to May 1998.
 3. *In Basis of French Language*, at Cairo University & French Center of Culture, during the period from Oct. 1998 to May 1999.
 4. *In German Language "Basis Course"*, at Faculty of Agriculture, Cairo University, during the period from Oct. 2000 to May 2001.
 5. *In German Language "Basis Course"*, by German Academic Exchange Service (DAAD), during the period from 3rd March 2002 to 25th April 2002.

6. *In German Language* (Grammar, Listening, Reading and Speaking), around 356 hours for qualifying to Grundstufen by interDaF e.V., in Hearder-Institute, Leipzig University, Germany, during the period from June 2002 to October 2002.

- **Computer :**

1. Training Courses In (*Dos – Data Base - Windows – Win Word – Excel – Power point – Harvard Graphics – Spss*), at Faculty of Engineering, Cairo University, from Feb. 1998 to March 1998.
2. Training Course (IT, Word, Spreadsheets, Computer maintenance and protection, Presentations, Database and Internet) by ICTP and Microsoft, in Computer Centre, Faculty of Agriculture, Cairo University.
3. E-Content training Course by ICTP and Microsoft, in Computer Centre, Faculty of Agriculture, Cairo University.
4. Training Course in “*Fortran 70*”, at Faculty of Agriculture, Cairo University, from Feb. 2000 to May 2000.

11. Knowledge and Skills:

- **Languages:**

1. English (very good). TOEFL Certification (score: 560)
2. German (very good). Basic Degree (GrundStufe) in German Language.
3. French (good). Diploma of studies in French language (DELF -A1) & (DELF -A3).

- **Computer:**

Excellent user in the following programs; (Dos – Data Base – Fortran 70 - Windows – Win Word – Excel – Power point – Harvard Graphics – Spsswin – Internet - Matlab).

List of Publications

Scientific Book:

- **Amer, B. M. A.** Hybrid Solar Drying System. 2010. VDM Publishing House Ltd. ISBN 978-3-639-30271-4.

Thesis:

- **B. M. A. AMER.** Ph.D. in Agric. Eng., branch of the Agricultural Products Engineering, in a title of “A hybrid solar fruit drying system for small-scale farmers in subtropical and tropical countries”, Agric. Eng. Dept., Humboldt University Berlin, September 2006, Germany.
- **B. M. A. AMER.** M.Sc. Degree in Agric. Eng., branch of the Agricultural Products Engineering, in a title of “Determination Of Drying Rates Of Fruits As A Function Of The Affecting Factors Under Conditions Suiting Solar Drying”, Agric. Eng. Dept., Cairo Univ., Egypt, 1999.

Scientific Journal:

- **Amer, B. M. A.,** Hossain, M. A. and Gottschalk, K. Design and performance evaluation of a new hybrid dryer for banana. *Energy Conversion and Management*, 2010, 51(4): 813-820.
- **M. A. Hossain, K. Gottschalk and B. M. A. Amer,** Mathematical Modelling for Drying of Tomato in Hybrid Dryer. *The Arabian Journal for Science and Engineering*, 2010, 35: 239-262.
- M. A. Hossain; **B. M. A. Amer;** K. Gottschalk. Hybrid Solar Dryer for Quality Dried Tomato. *Drying Technology* 2008, 26:12, 1591 — 1601.

Conference Publications:

- M. A. Hossain, **B. M. A. Amer,** K. Gottschalk' Mathematical modelling of solar assisted hybrid dryer for banana. CIGR Section VI International Symposium on FOOD PROCESSING, MONITORING TECHNOLOGY IN BIOPROCESSES AND FOOD QUALITY MANAGEMENT. Potsdam, Germany 31 August - 02 September 2009.
- M. A. Hossain; K. Gottschalk; **B. M. A. AMER.** Mathematical modelling and experimental validation of a Flat plate concentrating solar collector. Proceedings of Paper Meet Agricultural Engineering Division, The Institution of Engineers, Dhaka, Bangladesh, 14 June, 2008".

- **B. M. A. AMER, K. GOTTSCHALK:** Experimental Determination of the Factors Affecting the Drying Rates of Apple rings under Varying Controlled Drying Air Conditions. CIGR-World Congress 2006, September 2006, Bonn, Germany.
- **B. M. A. AMER, K. GOTTSCHALK AND J. HAHN:** New design for constructing a prototype of solar dryer Proceedings, 15th International Drying Symposium (IDS), August 2006, Budapest, Hungary.
- **B. M. A. AMER, K. GOTTSCHALK:** A simulation to design solar dryer with controlled drying air conditions. Proceedings: 4th Workshop on Control Applications in Post-Harvest and Processing Technology (CAPPT), Potsdam-Bornim. In: Bornimer Agrartechnische Berichte, Heft 55, Potsdam-Bornim, Germany, March 2006. S. 198-214.
- **B. M. A. AMER, K. GOTTSCHALK:** Study of the Factors Affecting the Drying Rates of Banana Slices in Thin-Layer under Varying Controlled Drying Air Conditions. Inter American Drying Conference (IADC) 2005, McGill University, Montreal, Canada.
- **B. M. A. AMER, K. GOTTSCHALK:** Study of the Factors Affecting the Drying Rates of Plum Fruits under Varying Controlled Drying Air Conditions. 16th World Congress (IFAC) 2004, Czech Technical University, Prague, CZ.
- **B. M. A. AMER, M. A. MRCOS, M. A. SABBAH.** New Method For The Mathematical Determination of Drying Rates of Fig Fruits Depending On Empirical Data under Conditions Suiting Solar Drying". (Poster), Deutscher Tropentag. Göttingen, Germany 2003, <http://www.tropentag.de/2003/abstracts/full/84.pdf>.
- **B. M. A. AMER, Morcos, M.A., Sabbah, M. A.** New Method For The Mathematical Determination Of Drying Rates Of Fig Fruits Depending On Empirical Data Under Conditions Suiting Solar Drying. 8th EurAgEng Conference "NEW METHODS, MEANS AND TECHNOLOGIES FOR APPLICATION OF AGRICULTURAL PRODUCTS". Institute of Agricultural Engineering, Lithuanian University of Agriculture, Raudondvaris, Lithuania, September 2003.
- **B. M. A. AMER, Morcos, M.A., Sabbah, M. A.** A Design for Experimental Drying Apparatus for The Determination of The Impact of The Affecting Factors on The Drying Time and Performance for Fruits. 8th EurAgEng Conference "NEW METHODS, MEANS AND TECHNOLOGIES FOR APPLICATION OF AGRICULTURAL PRODUCTS". Institute of Agricultural Engineering, Lithuanian University of Agriculture, Raudondvaris, Lithuania, September 2003.