

Curriculum Vita
Prof. Dr. Farouk K. El – Baz
Principle Investigator

PERSONAL DETAILS

Surname	Farouk				
Other name	Kamel El-Baz				
Title	Emeritus Research Professor Dr.				
Gender	Male				
Address	Plant Biochemistry Department, National Research Centre, Dokki, Egypt.				
			Post cod	12311	
Telephone Numbers	+202 3589642		Evening		
Mobil	+2 0105187474		Email	fa_elbaz@hotmail.com	
Date of birth	Day 24	Mo. 10	Yr 1945	Place of birth	Dumiatt

EDUCATION

Please start with the most recent degree (use extra lines if necessary)

School/College/University/Other	Degree obtained	Dates (from-to)
Faculty of Agriculture Cairo University	Ph.D. Biochemistry	1979
Faculty of Agriculture Cairo University	M.Sc. Biochemistry	1972
Faculty of Agriculture Cairo University	B.Sc. Biochemistry	1966

**Awarded the highest State of Egypt Prize of Merit in
Advanced Technological Sciences (2008)**

TRAINING

Please start with the most recent degree (use extra lines if necessary)

Training attended / Technical skills acquired	Place	Dates (from-to)
German Language	Gothe Inst. , Cairo	1972-1975
In door & Outdoor Cultivation of Algae	NRC by German team	1978
Gas Liquid Chromatography	TUM, Friesing, Germany	1980
Protein extraction on large scale	Rothmasted - England Spons. by Barcyls Bank	August 1980
Micronutrients determination	Friesing – Germany Spons. by GTZ	Dec. 1980
Protein Fractionation	Braunschweig, Germany Spons. by DAAD	Nov. 1980
Electro Ultra Filtration	Bunthof, Hannover, Germany Spons. by GTZ	May- Sep 1984
Protein extraction on large scale	Sweden	Jul. 1987
Atomic absorption	Univ. of Hannover, Hannover, Germany	1988
Soil Testing and plant analysis	California, USA Spons. by GTZ	1989
Protein extraction from different sources- on large scale	Purgia –Italy	Jul. 1992
Suspension fertilizers formulation	Aglucon, Düsseldorf, Germany Spons. by GTZ	Jan.-Feb. 1994
Project planning	Arab. Planning Inst., Kuwait	Nov. 1997
Project planning	GTZ, Cairo	1998

EMPLOYMENT HISTORY

Please start with your /most recent post first (Use extra lines if necessary)

Employer	Position	Dates (from-to)
National Research Centre Current	Emeritus Research Professor, Plant Biochemistry	October 2005 – Time being
National Research Centre Last high ranking governmental assignment	Vice President for Technical Affairs Nat. Res. Cent.	2001 – October 2005
Botany Department ,NRC	Research Prof.	1989 - 2001
Botany Department ,NRC	Associate Prof. of Plant Biochemistry	1984 – 1989
Botany Department ,NRC	Researcher , Plant Biochemistry	1979 – 1984
Botany Department ,NRC	Assistant Researcher	1972 – 1979
Botany Department, National Research Centre	Research Assistant	1969 – 1972
Botany Department, National Research Centre	Scholarship	1967 – 1969

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

Association of Development of Agriculture Sciences in Africa	Member	
African Soc. For River Nile studies	Member	1979
Soil testing & Plant analysis Council, USA	Member	1989
Int. Soc. For Optimization of Plant Nutrition, France	Member	1995
Arab network for plant Nutrition and Fertilization	Member	1995
Egyptian Soc. for Plant Nutrition and Fertilization	Member	1995
National committee for Physiological Sciences	Member	2002
National committee for Scientific relations Acad. Sci. Res. Tech.	Member	2002
National committee of wheat crop, Min. of Agric.	Member	2003
Agricultural Chemistry & Environment, Ain Shams University.	Member	2004
Egyptian Society of Botany	Member	
Egyptian Society of Applied Microbiology	Member	
Consumer protection Agency, Eng. Committee	Vice President	2007
National committee for training graduated students.	Member	2008
Egyptian Society of Biochemistry and Molecular Biology	Member	2005

FIELDS OF INTEREST

- Mass production of microalgae
- Algae as a source of healthy foods
- Antioxidant substances from algae
- Algae as source of chemo-preventive agent
- Algae as source of antiviral agent
- Algae as source of oil , fatty acids Omega 3 and Omega 6
- Algae as a source of biofuel
- Leaf protein concentrates

AWARDS

- State of Egypt Prize of Merit in Advanced Technological Sciences, 2008
- Golden Medal of State of Egypt 2008
- Golden Medal of National Research Centre, 2006
- Scientific Merit Award in Agric. Sciences of NRC, 2007
- Scientific Promotion Award of NRC, 1987
- Silver Medal of NRC and appreciation certificate 1987
- Appreciation certificate from the National Council of Women 2003

RESEARCH PROJECTS:

a) On International level

1. Principle Investigator of "Leaf Protein Project" carried between NRC and Rothmated Agric. Res. Station, England and sponsored by Barclays Bank.
2. Member in Micronutrients and other Plant Nutrition Problems in Egypt project (Egyptian – German project)
3. Member in Optimization of Fertilizers Application project (Egyptian – German project)
4. Member in production of chelated suspension fertilizers on pilot scale project (Egyptian – German project)
5. Member in the project of " Production of Green Algae on Algae Scale - Open Air Conditions " (Egyptian – German project)
6. Agricultural services for the vegetables & Fruits producers in Sudan, sponsored by GTZ (German Agency for technical Cooperation)
7. More and better food project (1977- 1982)

b) On National level

8. Fertilizer Requirements in Dakhlia Governorate (1988 – 1991)
9. Fertilizer Requirements in Ismalia Governorate . (1991 – 1995)
10. Comparing Gibberellins locally produced with the imported product
11. Training staff in Alex . company for Oil & Soap on quality control measures, sponsored by GTZ
12. Production of fresh water algae under open air conditions, sponsored by Acad. Sci. Res. & Tech.
13. Production of algae for nutreutical purpose, sponsored by Cairo University.

C) On NRC Level (In – house project)

14. Sugar beet leaver as a source of protein
15. Production of Omega – 3 fatty acid from green algae
16. Leaf protein project
17. Root exudates of some wheat species
18. Production of green algae under open air conditions
19. Green algae as a source of active substances
20. Nutraceutical substances from algae
21. Algae as a source of antioxidants
22. Production of antioxidants and other active substances from plants

PRESENTATIONS

Over 30 presentations have been given at different institutions during the last 10 years.

AWARDED OF THE FOLLOWING RESEARCH GRANTS

- Tech. Univ. of Munich, Freising- Germany, 1975.
- DAAD, Inst. of Biochem., Braunschweig, Germany, 1980.
- DAAD, Algae Collection Centre, Gottingen, Germany 1980.
- DAAD, Inst. of Plant Nut., Tech. Univ. of Munich, Freising- Germany, 1980.
- GTZ, Buntehof, Hannover - Germany, 1984.
- DAAD, Inst. of Plant Nut., Hannover - Germany, 1988.
- DAAD, Univ. of Kiel, Kiel, - Germany, 1992.

- GTZ, Sasma, Morcco, 1984
- Arab Planning Inst., Kuawit, 1997

ADDITIONAL INFORMATIONS:

- Superise 18 M. Sc. & Ph. D. Thesis.
- Attended Workshop & Conference : 17 on international level and 46 on national level.
- Officially recognized as a Moderator for Planning Workshops.
- Head of Invisitors & Businessmen Office, Nat. Res. Cent., 2006 till now.
- 20 Scientific research visits to different institutions all over the world.
- Assistant Editor of African J. of Agric. Sciences 1996-2000.

National and International Assignments

- Consultant to Friedrich Ebert Organization in Egypt
- Consultant to German Agency for Technical Cooperation (GTZ in Egypt
- Consultant to Danida Foundation in Egypt
- Consultant to Unicef in Egypt, in Project Planning