السيرة الذاتية

Name Ateya Saad Eldin Ateya Abou Fandy.

Nationality **Egyptian.**

Date & Place of

Birth

October 19, 1944 Dakahlia - Egypt

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6. Education :

From	То	Institution	Certificate	Field of Study
1962	1968	Faculty of Engineering Cairo University	B.Sc.	Mining, Petroleum and Metallurgical Engineering. Department.
1969	1971	Tabbin Inst., Cairo	M.Sc.	Ferrous Metallurgy
1974	1978	Moscow Steel & alloys inst.	Ph.D.	Metallurgy of Steel

Language : **Arabic (Mother Tongue)**Knowledge : **English, Russian (Good)**

Present Professor, Head of Energy and Environment
Occupation: Department, Executive Director of Energy &

Environment Research Center (E2RC), Tabbin Institute

for Metallurgical Studies (TIMS), Cairo, Egypt.

P.O.B: 109 Helwan, 11421 Cairo.

9. Employment Record:

From	То	Post Title	Employer
1969	1973	Metallurgical Engineer	Egyptian Iron & Steel Company
1974	1978	Assistant Lecturer "Post Graduate Student"	Tabbin Institute for Metallurgical Studies
1978	1980	Assistant Professor, Ferrous Metallurgical Department	Tabbin Institute for Metallurgical Studies
1980	1983	Assistant professor, Mechanical Engineering Department	Baghdad University
1984	1989	Professor, Ferrous Metallurgical Department	Tabbin Institute for Metallurgical Studies
1989	1998	Technical Manager	Energy Conservation & Environment Project (ECEP), Project was sponsored by USAID
1998	2002	Professor & Head Chemical Engineering Department, Director of UNEP Project CD4CDM, Executive Director of Energy & Environment Research Center "E2RC"	Tabbin Institute for Metallurgical Studies
2003	2004	TIMS Director	Tabbin Institute for Metallurgical Studies
2004	NOW	Professor, Head of Energy and Environment Specialty, Chemical Engineering Department, Executive Director of Energy & Environment Research Center "E2RC"	Tabbin Institute for Metallurgical Studies

10. Published Papers

More than 30 scientific papers in the field of ferrous metallurgy and Energy & Environment.

- **↓** List of Some Publications in the field of Ferrous metallurgy:
 - Role of establishing the Egyptian Steel Forum in facing the third millennium requirements, The 2nd Regional Arab Meeting, Arab Iron & Steel Union, Abu-Dhabi, UAE, April 8-10, 2000 & Bulletin, TIMS, No. 76, July 2000.

- "Alkali Control in blast furnace at Hadisolb." The Second International Conference on Mining and Metallurgical Engineering, Sues Canal University, proceedings Volume II.
- "Investigation of Operating Factors Affecting Oxygen Converter Lining Life at EISCO." International conference UNITXR'91. Western Germany, Pon.
- "Characterization of Refractory Materials Used For the Manufacture of BOF Lining at the Egyptian Iron and Steel Company (EISCO)" International Conference UNITCR'91. Western Germany, Pon.
- **↓** List of Some Publications in the field of Energy and Environment :
 - Prospects of Clean Development Mechanism Applications, 7th Mediterranean Petroleum Conference and Exhibition, Tripoli, Libya, January 15-17, 2002 & The Second Minia International Conference for Advanced Trends in Engineering, Minia University, Minia, Egypt, April 7-9, 2002
 - Clean Development Mechanism Prerequisites and options, 7th Mediterranean Petroleum Conference and Exhibition, Tripoli, Libya, January 15-17, 2002.
 - Capacity building for clean development mechanism, 4th workshop on Energy & Environment, International Energy Foundation Tripoli, Libya, April 29-30, 2003.
 - Economical, Environmental & Social aspects in selecting Projects for Clean Development Mechanism, 4th workshop on Energy & Environment, International Energy Foundation, Tripoli, Libya, April 29-30, 2003 & The Second International Conference for Development in The Arab World, Assiut University, Assiut, Egypt, March 23-25,2004.

11. Translated Books

- **↓** List of the translated books from English to Arabic:
 - ISO 14000 and Environmental Management Systems
 - Thermal Insulation for Steam Pipes
 - Legal Issues Guidebook to the Clean Development Mechanism (Supervision)
 - CDM Information and Guidebook (Revision)

12. Technical Reports

- List of Some Technical reports in the field of Ferrous Metallurgy :
 - "The Study of Scaffold Formation in B.F." Industrial Report. Dec.1985-Sep.1986.

- "Theoretical Review on Refractory Material for Oxygen Converter." March 1987.
- "Investigation of Operating Factors Affecting Oxygen Converter Lining Life." Aug. 1989.
- "Study The Possibility of Increasing Lining Service Life of Oxygen Converter at EISCO." Dec. 1989.
- List of Some Technical reports in the field of Energy and Environment :
- دراسة إدارة وترشيد استهلاك الطاقة في الصناعة المصرية المجاس النوعية، أكاديمية البحث العلمي، 2018
- إعداد عدد (4) تقارير بالإضافة إلى دليل إرشادى في إطار مشروع التنمية المستدامة والحفاظ على البيئة ، من خلال تأهيل وتطوير قطاع المسابك بالمنطقة الإيرانية بالبساتين، جهاز شئون البيئة، مارس 2022
 - 2018 /Technology profile, market analysis projects identification for reduction of N2O at Egyptian Nitric Acid facilities, technical report, Feb 2005, conducted by UNEP RISO.
 - Project Design Document (PDD) for CDM projects :
 - Abu Zabal landfill gas capture and flaring (developer carbon venture ltd of Dubai), 2007.
 - Blend cement project in National Cement Company (developer Mitsubishi cooperation), 2008.
 - Fuel switching project in National Cement Company (developer Mitsubishi cooperation), 2009.
 - Environmental Impact Assessment (EIA) Reports
 - EIA for Egyptian American company for Rolling of steel, Sadat City, August 2002.
 - EIA for EI-Ezz Company for Reinforced Steel, Sadat City, August 2003.
 - EIA for Egyptian company for Diamond & Appraise Materials, 15 May City, April 2006.
 - EIA for Egyptian Company for Sintering Engineering Technologies, 15 May City, April 2006.
 - EIA for Alfa2 for Ceramics, 6th of October Industrial City, May 2007.
 - EIA for Egyptian Anode Block Company, Sukhna, Suez, July 2007.
 - EIA for Abu Zabal Landfill Gas Recovery and Flaring/Destruction, April 2009.
 - EIA for the river port of identification of the Egyptian Iron and Steel Company, Shobak East, Tabbin, Helwan, January 2010.
 - EIA for the project bring the old terminal oxygen (1) the new oxygen plant (4) at Egyptian Iron and Steel Company, November 2010.

- EIA for the project Replace old furnaces fermentation Pfennig modern Russian Strip rolling mill, cold streaks - Iron and Steel Company, Egypt, December 2010.
- EIA for replacement and rehabilitation of battery No.3 in El Nasr Company for Coke and Chemicals, March 2012.
- Environmental and Social Impact Assessment Study according to requirements of the equator principals, EGYPTANODE, 2012.
- EIA for a project to add a Petroleum Coke Calcinations, EGYPTANODE, Suez - Sokhna 2013.

13. Courses Delivered:

- General Metallurgy
- Steel Making
- Physical Chemistry
- Manufacturing Processes
- Production Engineering
- Air Pollution and Control
- Cleaner Production Technologies
- Environmental Management System
- Solid & Hazardous Waste Management

14- Master Theses

Supervised more than 20 theses some relevant.

- Environmental Impact of Using Various Kinds of Fuels for Electricity Generation, a thesis Submitted as a part of the Requirements of M.Sc. Degree in Environmental Studies and Engineering; Scholar/ Osama Mustafa Hassan Ali, May 2017.
- A Comparative Study of Heavy Metals Environmental Impact, a thesis Submitted as a part of the Requirements of M.Sc. Degree in Environmental Studies and Engineering, Masoud. K. Mohamed Algaded, Libya, September 2013.
- The cleaner production in the Automotive Industry, Case study: Engineering Automotive Manufacturing Company, a thesis Submitted as a part of the Requirements of M.Sc. Degree in Environmental Studies and Engineering, Eng. Ahmed Saad, 2011.
- Energy Efficiency and CO₂ Emissions in Egyptian Ammonia Industry, a Thesis submitted to Tabbin Institute for Metallurgical Studies in partial fulfillment of the requirements for Master Degree of Science (M.Sc), Specialty:

- Environmental Studies and Engineering, Eng. Mosadak Ahmed Hassan Mohamed, 2010.
- Information Technology in Managing the Environmental Problems, Case Study, "Black Cloud Phenomena and Reducing its Effects", in partial fulfillment science of the requirement for the degree of master of science (M.Sc), Eng. Sayed Ibrahim Mohamed, General Manager of computer and Network Maintenance, Egyptian Environmental Agency Affairs (EEAA), Cairo 2007.
- Safety and Occupational Health and Secure Working Environment and Protect the Environment, a case study "Alexandria National Iron and Steel Company", a thesis submitted to industrial engineering department for the fulfillment of the Master of Science Degree in Environmental and Engineering Studies, Chem. / Samuel Mansoor, 2004.
- A Strategy Study on the Establishment & Support of Small & Medium Scale Enterprises Linked to Large Size Enterprises, a thesis submitted to Industrial Engineering Department for the fulfillment of the Master of Science Degree in Industrial Engineering, Eng. Elmabruk Salem Elmabruk, 2005.
- Medical Waste Management in El Batman Center Libya, a thesis submitted for the partial fulfillment of requirements for the Master Degree of Science in Environmental Engineering and Studies, Eng. Ashour Hamza Minfour, Omar El-Mokhtar University, November 2008.
- Safety and Occupational Health and Secure Working Environment and Protect the Environment and Development Proposals in Libya, a thesis submitted for the fulfillment of M.Sc Degree in Engineering and Environmental Studies, Eng./ Tariq Mahdi Arna'oot, 2007.
- To Cleaner Production, Case Study of Libyan Iron and Steel Company LISCO, a thesis submitted for the fulfillment of M.Sc Degree in Engineering and Environmental Studies, Eng. Abdullah Ibrahim Elajeil, General Industrialization Corporation-Libya, June 2003.

15. Training courses

- List training courses in the field of Environment :
 - Effluent Management, .WEF & ESWEA, March 1998.
 - Developing the Emission Inventory Basic Concepts, AIR & WASTE Management, December, 1998.
 - The Professional program in environmental engineering, the American university in Cairo, Feb. 1994 – May 1996
 - Conceptual estimating and cost technology, the center for professional advancement, September, 1991.

- Underground storage tank requirements cleanup in MD, VA 7 DC, federal publications, Washington, may 1994.
- Overview and hands –on experience with EPA's air emission estimation tools, AIR & WASTE Management, December 1998
- Introduction to cost control, Bectuel Corporation October 1991.
- Principle of pollution prevention for trainers, Washington, D.C., May, 1994.
- Energy Conservation & Environmental Protection Project (ECEP) Training Courses, 1994-1998:
 - Environmental Auditing, May 1994
 - Boiler Water Treatment, December 1994
 - Cooling Water Treatment, December 1994
 - Pollution Prevention Concepts and Applications, April 1995
 - Environmental Impact Assessment, May 1995
 - Pollution Prevention in Metal Finishing Industries July 1995
 - Pollution Prevention in the Textile Industry August 1995
 - Pollution Prevention in Canning Industries July 1996
 - Pollution Prevention in Chemical and Petroleum Processing Industries July 1996
 - ISO 14000 and Environmental Management System, February 1997
- ♣ Training in key GHG abatement technologies, CDM methodologies and project cycle, Egypt's National Strategy on the Clean Development Mechanism (Egypt NSSCDM), 2000-2002.
- CD4CDM project training workshops, 2003-2006:
 - First regional workshop, Tunis, January 25-26, 2003.
 - Second regional workshop on legal, regulatory and financial issues related to the implementation of the CDM in NA and me region, Tunis, December 20-21, 2003.
 - Third regional workshop on baseline issues & PDD preparations for the development of CDM projects in NA and me region, Hammamet, March 18-20, 2004.
 - Fourth regional workshop important issues to address in CDM projects, additionality, project cycle and sustainable development, legal / contractual issues, Tunis, august 27-29, 2004.
- ↓ Technical workshop on Nationally Appropriate Mitigation Actions (NAMAs) opportunities in relevant sectors in Egypt, October 2011.

16. Conferences & Seminars

- A proposed frame work for the clean development mechanism (CDM), Seminar of Energy Conservation in Industry and its Environmental Effects, International Energy Foundation, Tripoli, Libya, September 19-21, 2000.
- Prospects of Clean Development Mechanism Applications, 7th Mediterranean Petroleum Conference and Exhibition, Tripoli, Libya, January 15-17, 2002.
- The Second Minia International Conference for Advanced Trends in Engineering, Minia University, Minia, Egypt, April 7-9, 2002
- Capacity building for clean development mechanism, 4th workshop on Energy & Environment, International Energy Foundation Tripoli, Libya, April 29-30, 2003.
- The Second International Conference for Development in The Arab World, Assiut University, Assiut, Egypt, March 23-25, 2004.