

RESUME OF MOHAMED ABUEL- KASSEM MOHAMED

PERSONAL DATA :



Name : MOHAMED ABUEL-KASSEM MOHAMED
Present address : Mining & Met. Engineering Dept., Faculty of Engineering, Assiut University, Assiut, EGYPT.
Nationality : Egyptian
Marital status : Married
Major field : Mining Engineering
Area of specialization : Environmental Engineering
Present occupation : Emeritus Professor, Faculty of Engineering, Assiut University
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QUALIFICATIONS:

- 1- B.Sc. (1980) " Mining and Metallurgical Engineering Department", Faculty of Engineering, Assiut University, Assiut Egypt with average grade of "Distinction"
- 2- M.Sc. (1986), Mining Engineering (Specialized in Environmental Engineering), Mining Engineering Dept, Faculty of Engineering, Assiut University, Assiut Egypt
Thesis title "A study on the Environmental Engineering problems Related to some Mines, Dressing and treatment plants in Upper Egypt"
- 3- Ph.D. (1991), Mining Engineering, Faculty of Engineering , Assiut University (Egypt) with Iowa State University (USA).
Thesis title "Characterization and Control of Air-borne particles from some industrial & Mining Operations in relation to some industrial conditions"
- 4- Assistant professor of Environmental Engineering, in Mining & Metallurgical Engineering Dept., Faculty of Engineering, Assiut University, Assiut, Egypt. From 1991-1996)
- 5- Associated professor of Environmental Engineering, in Mining & Metallurgical Engineering Dept., Faculty of Engineering, Assiut University, Assiut, Egypt. From 1996-2002)
- 6- Professor of Environmental Engineering, in Mining & Metallurgical Engineering Dept., Faculty of Engineering, Assiut University, Assiut, Egypt. (From 2002 till now)

ADMINISTRATION:

2013 – 2016 : Dean, Faculty of Engineering, Assiut University
2012 – 2013 : Vice dean for community services and Environmental affairs.
2011 – 2012 : Head of Mining & Metallurgical Engineering Dept.
2013 – till now : Supervisor of Civil Protection and risk management, Assiut University
2014 – till now : Supervisor of Occupational health and safety, Assiut University

AFFILIATION

- 1- Member in the committee of Engineering sector , Supreme Council of Universities-Egypt, 2013-2016
- 2- Member in the council of Energy and Mineral Resources, Academy of Scientific Research & Technology, 2009 - 2015
- 3- Coordinator of the committee of preparing "Bio fuel Road map", council of Energy and Mineral Resources, Academy of Scientific Research & Technology, 2012.
- 4- Coordinator of the committee of preparing "Bio GAS Road map", council of Energy and Mineral Resources, Academy of Scientific Research & Technology, 2015.
- 5- Member in the committee of preparing " Phosphate ore Road map", council of Energy and Mineral Resources, Academy of Scientific Research & Technology, 2015
- 6- Member of Egyptian Engineering syndicate.
- 7- Member of American Association of Aerosol Research (AAAR) [1994 to 1996)
- 8- Member of "Assiut University Center of Environmental Studies and Researches", (1995 to date)
- 9- Member of "Environmental committee ", Faculty of Engineering, Assiut University (2002)
- 10- Editorial Secretary "Assiut University Bulletin for Environmental Researches",
- 11- Member in higher consultant committee of Assiut governorate for occupational health and Safety
- 12- Member in higher committee of Assiut governorate for managing and facing disasters and risk management.

EXPERIENCE:

1988 - 1990: At Iowa State University, Ames, Iowa, U.S.A., to conduct the experimental part of the Ph.D. researches (Civil Engg. Dept., Environmental Engg. section)

1992 : "March - June, 1992" Participation on the project "Environmental Impact Assessment" in Helwan Area, Egypt", Funded by the World International Bank.

1994 At the Pennsylvania State University, University Park Campus, State College, U.S.A., (March to September 1994), as a visiting assistant professor to conduct some researches in the field of Environmental Engineering..

1995 to up date: Member in the board of Assiut University Center for Environmental Studies and Researches.

1996-1997 : Participation of the project "Measurements of the airborne particles from cement industry, Assiut cement company". Assiut University.

1998 : Establish a lab to measure the environmental parameters in Assiut fertilizer and Assiut cement companies

2004 : Member of the higher consultant for occupational health and safety in the working environment, Assiut governorate.

1995 to date: Training courses for specialists and staff in many industrial projects in the field of industrial safety and environmental control engineering

1995 to date Consultant in several industrial companies for environmental affairs

2002 to date Reviewer in several national and international journals

2006 Participation in the project "Environmental Profile in Assiut governorate"

2007 Sharing to conduct the environmental profile of Assiut governorate

2007 to date Consultant in Assiut University hospitals for environmental affairs

2009 At the Institute of Industrial Science, The University of Tokyo, Japan, Dept. of Environmental Control Engineering from June 15 to Sept. 14, 2009

2015 - 2018 Principle investigator Of "Evaluation and Upgrading ore quality in south valley, Egypt"

i. Undergraduate Course:

1. Principles of chemical engineering (1992 to 1994)
2. Modern surveying instruments, Technical Institute of surveying, irrigation and drainage
3. Engineering Economy
4. Air Pollution Control systems, 4th year mining
5. Pollution & Environmental Control, 4th year mining
6. Occupational Safety, 4th year Mining, Civil, Electrical, Mechanical and Architecture Engineering (2001 to date).
8. Environmental Pollution, 4th year Electrical engineering (2002 to date)
9. Environmental Engineering and Management , Worker University, 2002 up to date
- 10- Mine ventilation & drainage "Al Azhar University, Branch of Qena 2002 to date"

ii. Graduate courses:

1. Pollution control from sugar industry, Sugar Institute of Researches & Technology
2. Industrial Water Pollution
3. Advanced Course in "Pollution & Environmental Control"
4. Air pollution
5. Physico - chemical properties of air pollutants.
6. Pollution from surface operations.
7. Pollution control from sugar industry, Sugar Institute of Researches & Technology
8. Introduction to Environmental Engineering

iii) Teaching training Courses:

1. Scanning Electron Microscopy Technique, March 23-30, 1995, Assiut University, Assiut Egypt.
2. Geographic Information System (GIS), Remote Sensing Center, Sept. 23-30, 1995, Assiut University, Assiut, Egypt.
3. Workshop on "Environmental Management in the Minerals Industry", 23-27 October, 1995, Assiut University, Egypt.
4. Training course in "Dust Control from Cement Industry", At Assiut Cement Company, July 8-12, 1995
5. Training course "Measurements related to the Environment of the Industrial workings", for the team of the industrial safety of Assiut Cement Company, December 2-18, 1995.
6. Course in "Measurements of pollution levels and emission rates from stacks", 1996 - 1997.
7. Course in "Control of gases from Al-cells", 1996-1997.
8. Course in "Air pollution control technology" cement and fertilizer staff, May 10 - 27, 1997.
9. Course in "Measurements of Environmental Parameters", Assiut Cement Company, Jan. 21 to Feb. 6, 1998.
10. Training course in "Dry gas cleaning of the Aluminum cell", The Aluminum Company of Egypt, Feb. 7 to Feb. 19, 1998.
11. Course in "Design and Operation of Absorption (Sulfur Oxides and Mist Removal)", Assi Fertilizer plant, January 23-28, 1999.
12. Course in "Measurements of Emission", Assiut Cement Company, June 1999.
13. Scanning Electron Microscopy Technique, April 1-6, 2000, Assiut University, Assiut, Egypt
14. Training Course in "Air Pollution : Measurements and Control", Assiut Fertilizer plant, July 22- 27, 2000.
15. Training Course in "Dust control from fertilizer industry", Assiut Fertilizer plant,

- August 21-24, 2004.
16. Training Course in "Environmental Management Systems", Assiut Fertilizer plant, Set. 4-7, 2004
 18. Training Course in "Environmental Protection from Fertilizer Industry", Assiut Fertilizer plant, July 24-27, 2005
 19. Training course in "Analysis of industrial accidents", Assiut Fertilizer factory, July 10-13, 2005.
 18. Training course in "Management of hazardous wastes in Egypt", August 7-11, 2005
 19. Training Course "Emergency pre-planning", Assiut Petroleum Refinery, Nov. 20-23, 2005
 20. Removal of Dust emissions from fertilizer industry , Assiut Fertilizer plant, May 7-10, 2006
 21. Occupational Safety and engineering risks, Assiut Fertilizer plant, August 6-9, 2006
 22. Removal of SO₂ from gas stream and Mist elimination " Assiut Fertilizer plant, Sept. 10-13, 2006
 - 23- Emergency facing & management, National Center of occupational health and safety, Dec. 12-14, 2006
 - 24- Occupational hazards in the work environment, " Ministry of labor, Assiut, Dec. 20-23, 2006
 - 26- Study of industrial accidents, statistics, and assessment, Assiut Fertilizer plant, March 25-28, 2007
 - 27- Environmental Impact Assessment & Environmental Management Systems, Assiut Fertilizer plant, June 10-13, 2007
 - 28- Emergency Pre-planning , Assiut Fertilizer plant, July 8-11, 2007
 - 29- Mechanical hazards "ministry of Labor", Nov. 28, 2007
 - 30.- Air pollution measurements " Assiut training center of ministry of health ", March 2008-04-03
 - 31- Applications of SEM in Environmental Studies " Scanning Electron Microscopy training program", March 25, 2008, Assiut University, Assiut, Egypt
 - 32- Engineering hazards, for Hospital staff, Sept. 18, 2008
 - 33- Fire Accidents .. Combating strategies, Faculty of Engineering, Assiut University, Nov. 27, 2008.
 - 34- Industrial waste recycle , Faculty of Engineering, Assiut University, Feb. 2009.
 - 35- New trends in industrial pollution control, Faculty of Engineering, Assiut University, May, 2009
 - 36- Work shop: Industry and the Environment, Faculty of Engineering, Assiut University, January 26-28, 2010,
 - 37- Pollution Control from Electricity generation in Power Stations, By Faculty of Engineering, Assiut University, Feb 9-11, 2010

CONFERENCE ATTENDANCE :

1. Second international Conference on (Environmental protection is a must), 24-27 February, Alexandria University, 1992.
2. Sixth International Conference of Energy (ICE 6), April 19-22, 1993, Alexandria, Egypt.
3. First International Conference "Environment & Development in Africa", October 21-24, 1995, Assiut University, Assiut, Egypt.
4. The fifth National conference of Environmental studies and research "Climate Change and Its impacts on the Environment in Egypt", December 10-12, 1996.
5. First International Symposium on Cement Industry, November 8-10, 1997, Assiut, Egypt.
6. International Conference for Environmental Hazard Mitigation, September 9-12, 2000, Cairo University, Egypt.
7. Symposium on "Pollution of Water Resources and Control Strategies", South Valley Center For Studies and Development, Assiut University, February 24-25. 2001, Assiut, Egypt.
8. **Coordinator** of the " International Conference for Development and The Environment in The Arab World", March 26-28, 2002, Assiut, Egypt.
9. **Coordinator** of the second " International Conference for Development and The Environment in The Arab World", March 23-25, 2004, Assiut, Egypt.

10. **Coordinator** of the third “International Conference for Development and The Environment in The Arab World”, March 21-23, 2006, Assiut, Egypt.
11. Forth “International Conference for Development and the Environment in The Arab World”, held in March 18-21, 2008, Raydah, Saudi Arabia.
12. The third International conference "Recent Environmental Problems and Social Development", South Valley University, Qena - Luxor, Nov. 10-13, 2008.
13. **Coordinator** of the sixth “International Conference for Development and The Environment in The Arab World”, March 21-23, 2012, Assiut, Egypt.
- 14- **Coordinator** of the 1st “International Conference Engineering and The Environment”, November 3-5, 2013, Faculty of Engineering, Assiut University , Egypt.

LIST OF PUBLICATIONS

Prof. Dr. Mohamed Abuel-kassem Mohamed
Mining & Metallurgical Engineering Dept.
Faculty of Engineering
Assiut university

- 34 Thabet A. Mohamed^a, Mohamed Abuel – Kassem^b, **Raga^b ElS. Rabei^yb**, Mahmoud A. Gandour^c “APPLICATION OF POLLUTION INDICES FOR THE EVALUATION OF HEAVY METALS CONTAMINATION IN SOIL CLOSE TO A PHOSPHATE FERTILIZER PLANT, ASSIUT, EGYPT, Assiut University Bulletin for Environmental Researches”, Vol. 17, No. 1, March 2014.
- 35 MR El Tahlawi, MA Mohamed, GY Boghdadi, RE Rabei, HA Saleem
[Groundwater Quality Assessment to Estimate its Suitability for Different Uses in Assiut Governorate, Egypt](#)
International Journal of Recent Technology and Engineering (IJRTE)
ISSN: 2277-3878, Volume-3, Issue-5, November 2014
- 36 M.R. Etahlawi, Mohamed Abuel – Kassem, **Gamal Y. Bagdadi, Hussein A.Selem**
"Estimating And Plotting of Groundwater Quality Using WQIuA and GIS in Assiut Governorate, EGYPT, World Journal of Engineering and Technology, 2016,4, 59-70.
- 37 **Mohamed R. El Tahlawi, Mohamed Abu-El Kassem, Gamal Y. Baghdadi, and Hussein A. Saleem** " **Assessment of Groundwater Vulnerability – A Case Study**" International Journal of Advanced Remote Sensing and GIS 2016, Volume 5, Issue 2, pp. 1561-1579, Article ID Tech-533 ISSN 2320 - 0243

- 38 **Nader Shehata Doas^{1*}, Mahmoud A. Ghandour², Mohamed Hemida Abd - Alla³, Mohamed Abu El- Kassem Mohamed⁴, and Osama M. Ahmed⁵."**
Sludge Reduction in Wastewater of Beet Sugar Industry Using the Effective Microorganisms. In Abu Qurqas Sugar Factory. Egyptian Sugar Journal, June 2018 Vol.10 : 63 - 82
- 39 **Mohamed Abuel Kasem Mohamed1, Galal Abd El Azim Ibrahim1, Ahmed Mohamed Ebrahim Rizk1, Mahmoud Mohamed Ahmed1, Ahmed Mohamed El Nozahi2, Nagui Aly Abdel-khalek3, Hasan Bakheat4**
“Beneficiation of Beni-Khaled Limestone Ore for Beneficial Industrial Uses”,
 2018; 3(3): 47-59, <http://www.sciencepublishinggroup.com/j/ijmpem> doi: 10.11648/j.ijmpem.20180303.11 ISSN: 2575-1840 (Print); ISSN: 2575-1859 (Online)
- 40 **Mohamed Abuel Kasem Mohamed1, Galal Abd El Azim Ibrahim1, Ahmed Mohamed Ebrahim Rizk1, Mahmoud Mohamed Ahmed1, Ahmed Mohamed El Nozahi2, Nagui Aly Abdel-khalek3, Hasan Bakheat4** **“Upgrading of Phosphate Ore Wastes of El-Nasr Mining Company, Egypt**
 2018; 3(2): 37-46 <http://www.sciencepublishinggroup.com/j/ijmpem>

doi: 10.11648/j.ijmpem.20180302.14

ISSN: 2575-1840 (Print); ISSN: 2575-1859 (Online)

- 41 **Mohamed Abuel Kasem Mohamed¹, Galal Abd El Azim Ibrahim¹,
Ahmed Mohamed Ebrahim Rizk¹, Mahmoud Mohamed Ahmed¹, Ahmed
Mohamed El Nozahi², Nagui Aly Abdel-khalek³, Hasan Bakheat⁴
“Economics of Exploitation Phosphate Ore Wastes “,International Journal
of Mining Engineering and Mineral Processing 2018, 7(1): 14-20,
DOI: 10.5923/j.mining.20180701.02**
- 42 **Esam a Alanagreedy, Ragab Rabeiy, Mohamed Abuel- Kassem Mohamed⁴,”
Noise Pollution: Assessing and Control in Sugar Industry, Sugar Factory.
Egyptian Sugar Journal, June 2020 Vol.15 :**
- 43 **Esam a Alanagreedy, Ragab Rabeiy, Mohamed Abuel- Kassem
Mohamed⁴,”Invewstigation of noise pollution levels in Some Beet Sugar
Factories in Egypt, Sugar Factory. Egyptian Sugar Journal, June 2020 Vol.15 :**