

**Min.&Metall. Eng. Dept.,
Faculty of Engineering,
Assiut University.**



Curriculum Vita
Dr. Ahmed Abdul-Mageed Ahmed
Professor of Mineral Processing

Date and Place Birth: 20/1/1945, Assiut

**Address: Mining & Metall. Engng. Dept. Faculty of Eng.,
Assiut Univ., Assiut-Egypt**

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*** Education:**

Ph.D.degree: Assiut University, Egypt (1984).
M.Sc. degree: Assiut University, Egypt (1978).
B.Sc. degree: Mining Engng. Dept., Assiut Univ., Egypt (1966).

***Employment:**

Member of Mining , Petroleum & Metallurgy *promotion board* from 2009 -2013
Emeritus Professor from August 2005 Tell now
Professor from July 1998 to 2005
Vice-Dean of community Services and environ. affairs, Faculty of Eng., 2002 – 2005
Associate Professor from Jan. 1992 to July 1998
Assistant Professor from Jan. 1987 to Jan 1992

*** Major Research topics:**

Crushing & grinding-Ore beneficiation-Hydrocyclones-Waste Recycling

*** Professional Membership: Egyptian syndicate of Engineers**

*** Awards:**

- The prize of the best research of academic year 1996/1997 from Faculty of Eng., Assiut Univ., Egypt.
- Soliman Hozien prize of academic year 1997/1998 from Assiut Univ., Egypt.
- The prize of the best research of academic year 1998/1999 from Faculty of Eng., Assiut Univ., Egypt.
- The prize of the best research of academic year 2001/2002 from Faculty of Eng., Assiut Univ., Egypt.
- The prize of the best research of academic year 2003/2004. from Faculty of Eng., Assiut Univ., Egypt.
- The prize of the best research of academic year 2009/2010. from Faculty of Eng., Assiut Univ., Egypt.

- The prize of the best research of academic year 2011/2012. from Faculty of Eng., Assiut Univ., Egypt.

***Conference Participation:**

- 1- First Conference of Mining & Metallurgical Technology, Assiut Univ., Feb., 7-9 (1997).
- 2- The second International Scientific Conference of El-Azhar Univ., Cairo, Dec., (1991).
- 3- The third Inter., Conf., on Mining, Petroleum & Metallurgical Engng., (MPM), Cairo Univ., (1992).
- 4- The fourth Inter., Mining, Petroleum & Metallurgical Engng., (MPM) Conf., Assiut Univ., Feb., 5-7 (1994).
- 5- XXVI Cracovian Mineral Processing Conf., Ustron, Poland, September, 7-9 (1994).
- 6- First International Conf., The Environment & Development in Africa, Assiut Univ., Egypt, October, 21-24 (1995).
- 7- First Inter., Symposium on Sugar & Integrated Industries Present & Future, Luxor, Egypt, December, 17-19 (1996).
- 8- *Post doctor mission* at Max planck Institute, Germany, June-Dec.(1998)
- 9- The Sixth Inter., Conf., on Mining, Petroleum & Metallurgy, (MPM), Faculty of Eng., Cairo Univ., Feb., 20-24 (1999).
- 10-The Seventh Inter., Conf., on Mining, Petroleum & Metallurgical Eng.,(MPM), Assiut Univ., Egypt, Feb., 10-12 (2001).
- 11-The Second Inter., Conf., on the Geology of Africa, Faculty of Science, Assiut Univ., October, 28-30 (2001).
- 12-The Eighth Inter., Mining, Petroleum & Metallurgical Engng., Conf., Suez Canal Univ., March, 17-19 (2003).
- 13-The Second Inter., Conf., for Development and Environment in the Arab World, Assiut Univ., Egypt, March, 23-25 (2004).
- 14-The 9th Inter., Mining, Petroleum & Metallurgical Engng., Conf., Faculty of Eng., Cairo Univ., Feb., 21-24 (2005).
- 15-The Third Inter., Conf., for Development and Environment in the Arab World, Assiut Univ., Egypt, March, 21-23 (2006).
- 16-The Tenth Inter., Conf., on Mining, Petroleum & Metallurgical Engng., Faculty of Eng., Assiut Univ., Egypt, March, 6-8 (2007).
- 17-Inter.Seminar on mineral Process.Tech.,(MPT-2009), ,IMMT Bhubaneswar, India ,28-30 October,2009.

*** Projects:**

- 1- Utilization of Sugar cane Waste (Filteration mud) in Manufacturing Building Materials, (1995-1996).
- 2- Utilization of Cement Dust of Assiut Cement company in Manufacturing Bricks, (1997-1998).
- 3- Utilization of East Sebaeya (El-Mahameed) Phosphate Processing Plant Tailings, (2003-2004).

*** Publications:** See attachment

List of publications
Of
Dr. Ahmed Abdul Mageed Ahmed

- 1- Kassem, M.E., Ahmed,A.A., Mabrouk, S.A. and El-Gundi, M.M.: “Benefication of El-Bahariya Iron ore by magnetic seperation” ,El-Tabbin Second.Met.Conf. in A.R.E., pp 212-234, Dec. (1978).
- 2- Mabrouk, S.A., Ahmed,A.A., Kassem, M.E. and El-Gundi, M.M.: “Benefication of El-Bahariya Iron ore by gravity seperation” ,El-Tabbin Second.Met.Conf. in A.R.E., pp 9-12, Dec. (1978).
- 3- Ahmed,A.A., Ibrahim, G.A. and Doheim, M.A.: “Examination of the distribution of pulp solid/liquid ratio within a hydrocyclone and the effect of pulp density of feed, “Bulletin of the faculty of Engng., Assiut University, Vol. 11(2)pp. 258-274, July (1983).
- 4- Ahmed,A.A., Ibrahim, G.A. and Doheim, M.A.: “Effect of vortex finder diameter on the distribution of solid/liquid ratio within a hydro cyclone”, *Bulletin of the faculty of Engng., Assiut University*, Vol.11(4) pp.199-212, Oct. (1983).
- 5- Ahmed,A.A., Ibrahim G.A. and Doheim, M.A.: “The influence of Apex diameter on the pattern of solid/liquid ratio within a hydro cyclone. “*J. Chem. Tech. Biotechnol. Vol.35A, pp.395-402 (1985).*
- 6- Doheim, M.A., Ibrahim, G.A. and Ahmed, A.A.: “Rapid estimation of corrected cut point in hydrocyclone classification units”, *Inter.J.of Mineral processing*, Vol. 14, pp.149-159 (1987).
- 7- Doheim, M.A., Ibrahim, G.A. and Ahmed,A.A.: “Modelling of hydrocyclones at high feed-solids concentrations”, *The ch. Engng.J.*, Vol.34, pp.81-88(1987).
- 8- Ahmed,A.A. and Tarshan,M.:”*Composition of ball load in a ball mill*”, *Bulletin of the faculty of Engng., Assiut University*, Vol.17(1), pp.53-57, Jan. (1989).

- 9- Tarshan,M. and Ahmed,A.A.: “*The use of grinding additives in cement clinker grinding*”, Bulletin of the faculty of Engng., Assiut University, Vol.18(1), pp.90-93, Jan. (1990).
- 10- Ahmed,A.A.: “*Effect of quenching media on upgrading calcined phosphates*”, Bulletin of the faculty of Engng., Assiut University, Vol. 18(2), pp. 167-170, July (1990).
- 11- Ahmed,A.A.: “*Regeneration of Cryolite from the carbon foams of Aluminum reduction cells by gravity separation-flotation process*”, Bulletin of the faculty of Engng., Assiut University, Vol.19(2), pp.89-93, July (1991).
- 12- Ahmed,A.A. and Seif-Elnasr,A.A.S.: “*Coagulation of Abu-Tartur phosphate slimes using cement dust*”, Bulletin of the faculty of Engng., Assiut University, Vol.22, pp.209-212,July (1994).
- 13- Ahmed,A.A. and Rizk,A.M.E.: “*Upgrading the Red Sea barite ores*”, XXVI Cracovian Mineral processing Conf., Poland, pp.19-25,7-9 Sept.(1994).
- 14- Ahmed,A.A.: “*Effect of design and operating variables on the behaviour of air core within a hydrocyclone*”, Bulletin of the faculty of Engng., Assiut University, Vol.23(1), pp.193-197,Jan(1995).
- 15- Rizk, A.M.E. and Ahmed,A.A.: “*Determination of the work index of some Egyptian ores*”, Bulletin of the faculty of Engng., Assiut University, Vol. 23(2), pp.241-246, July (1995).
- 16- Ahmed,A.A.: “*Upgrading of Qussier low-grade calcareous phosphate ore by leaching process*”, “Bulletin of the faculty of Engng., Assiut University, Vol.24(2), pp.135-140,July (1996).
- 17- El-Habaak,G.H., Ahmed,A.A. and Rizk, A.M.E.: “*On The beneficiation of wadi El-Ghadir chromite ore, Earstern Desert, Egypt, “First Inter Conf on Basic Sciences and Advanced Technology, Geological Section, Faculty of Science, Assiut Univ. Egypt, 9-12 Nov., pp. 35-43 (1996).*
- 18- Gomma,W.A., Ibrahim, A.R., Ibrahim, G.A., Ahmed,A.A. and Imbaby,S.S.: “*Brick Fabrication From waste of Sugar Cane & Paper industries (Edfu-Egypt)*, First Inter-Symposium on Sugar

- & Integrated Industries” Present & Future, Dec. 17-19, Luxor, Egypt, pp. 163-170, (1996).
- 19- Ahmed,A.A.: “Effect of cyclone inclination angle on hydrocyclone separation efficiency”, *Bulletin of the faculty of Engng., Assiut University, Vol. 24(2), pp. 159-162, July (1996).*
 - 20- Ahmed,A.A.: “A study of the influence of ball load composition on the selection function in batch grinding, “Bulletin of the faculty of Engng., Assiut University, Vol. 25(1), pp. 161-164, Jan (1997).
 - 21- Gomma,W,A. Abdel Aziz, M.S., Ibrahim, A.R., Ibrahim, G.A., Rashad, M.Z., Ahmed,A.A. and Imbaby, S.: “Utilization of cement dust in manufacturing bricks, “*First Inter. Symposium on cement industry, Nov. 8-10, Assiut, Egypt, pp.283-289 (1997).*
 - 22- Seif Elnassr, A.A.S. and Ahmed,A.A.: “Enrichment of Abu-Tartur ore wastes”, Bulletin of the faculty of Engng., Assiut University, Vol. 26 (1), pp.185-199, Jan. (1998).
 - 23- Ibrahim, G.A., Ahmed,A.A., Rizk, A.M.E. and Hemida, M.M. : “A positive use of El-Sebaeya phosphate tailings”, *Bulletin of the faculty of Engng., Assiut Univ., Vol.(2), pp. 251-259, July (1999).*
 - 24- Ahmed,A.A., Rizk, A.M.E. and Ahmed, M.M.: “A contribution to comminution in tumbling mills” ,7th Inter. Conf. On Mining, Petroleum and Metallurgical Engng. (MPM), Assiut Univ., Egypt, 10-12 Feb., pp. 192-197 (2001).
 - 25- Ahmed, M.M. Ahmed,A.A. and Rizk, A.M.E.: “Some considerations on Bond work index” ,7th Inter. Conf. On Mining, Petroleum and Metallurgical Engng. (MPM), Assiut Univ., Egypt, 10-12 Feb., pp. 332-343 (2001).
 - 26- Rizk, A.M.E., Ahmed, M.M and Ahmed,A.A.: “Application of a Factorial method on leaching process of calcareous phosphate ore” Bulletin of the faculty of Engng., Assiut University, Vol. 29(2), pp.185-197, May (2001)
 - 27- Ahmed,A.A. and Rizk, A.M.E.: “Influence of thermal treatments on grindability of feldspar”, 8th Int. Conf. On Mining, Petroleum and Metall. Engng. (MPM), Suez canal Univ., Egypt, 17-19 March (2003).

- 28- Ahmed,A.A., Mahmood, M.A., and Rizk, A.M.E.: "*Preheating as an aid in Comminution process*", J. of Engng, Science, Assiut Univ., Vol. 31(4), pp. 985-994, October (2003).
- 29- Ahmed,A.A., Rizk, A.M.E., Galal, A.I. and Himida, M.M.: "*Utilization of tailings produced from washing plant of Sebaeya phosphate company (Egypt)*", The second Inter. Conf. For Development and Envir. In the Arab world, Assiut Univ., Egypt 23-25 March, pp. 527-536 (2004).
- 30- Mahmood, M.A., Rizk, A.M.E. and Ahmed,A.A.: "*Effect of particle shape and surface roughness on the comminution and flotation processes: Review*" **The 9th Inter. Mining, Petroleum, and Metallurgical Engng. Conf. Cairo Univ., Egypt, Feb. 21-24, (2005).**
- 31-Ahmed,A.A.and Abdel-zaher, M.A. : "*Potential use of phosphate wastes as aggregates in road construction* ", **J. of Eng.sciences,Assiut Univ., Vol. 37,No. 2,pp.413-422 ,March (2009).**
- 32-Ahmed,A.A.and Abdel-zaher, M.A. : "*Utilization of coarse phosphate waste reject as aggregates in concrete mix* ",Inter.Seminar on mineral Process.Tech.,(MPT-2009), ,IMMT Bhubaneswar, India ,28-30, October,2009.
- 33- Rizk,Sh.A.,Ahmed, A.A. and Abu-Ali,M.H.: "*Dewatering the sludge generated from water treatment plants with two hydrocyclones in series* ", **J. of Eng. sciences, Assiut Univ., Vol. 38,No. 3,pp.797-806 ,May (2010).**
- 34- Ahmed,A.A.and Abdel-zaher, M.A. : "*An environmental solution for phosphate coarse waste reject-using them as concrete mix aggregates*", **J. of Eng. sciences, Assiut Univ., Vol. 39,No.1,pp.207-218 ,Jan. (2011).**
- 35- Ahmed, A.A., Rizk, Sh.A. and Abu-Ali,M.H. : "*Utilization of water treatment plants sludge ash in brick making* ", **J. of Eng. sciences, Assiut Univ., Vol. 39,No.1,pp.195-206 ,Jan. (2011).**
- 36- Ahmed ,A.A.,and Gamal S.Abdlhaffez : "*Utilization of limestone dust in brick making* " , **J. of Eng. sciences, Assiut Univ., Vol.40,No.3, pp.913-922 ,May (2012).**
- 37- Ahmed, A.A.,Khairy,H.,Ahmed,M.T., and Sherien,A.Rizk : "**An Experimental study of the availability of solid waste of mines and**

quarries as coarse aggregate in concrete mixes", J. of Eng. sciences, Assiut Univ., Vol.42-No.3, pp.876-890 ,May (2014).

38- Ahmed, A.A., Khairy,H.,Ahmed,M.T.,and Sherien,A.Rizk : "Potential use of mines and quarries solid waste in road construction and as replacement soil under foundations ", J. of Eng. sciences, Assiut Univ., Vol.42-No.4, pp.1094-1105 ,July (2014).