

DR. HUSSIN A. AHMED

Associate Professor, Mining Engineering Dept., King Abdulaziz University

Hussien135@kau.edu.sa

or

Hussien135@gmail.com

Education

Degree	Field	Institution	Year
PhD	Mineral processing	Wroclaw Technical University, Poland	2005
MS	Mining Engineering	Cairo University, Egypt	1998
BS	Mining Engineering	Assuit University, Egypt	1991

Academic Experience

From	To	Institution	Rank	Title	Full / Part Time
1994	1998	Central Metallurgical R&D Institute	Assistant researcher		Full Time
1999	2005	Wroclaw Technical University	PhD pursue	Lecturer	Full Time
2005	2006	Central Metallurgical R&D Institute	Assist Prof	Assist Prof	Full Time
2006	2011	King Abdulaziz University	Assist Prof	Assist Prof	Full Time
2011	current	King Abdulaziz University	Associate Prof.	Associ.Prof	Full Time

Non Academic Industrial Experience (including Consultations)

From	To	Company/Entity	Title	Position Description	Full / Part Time
1994	1994	Military factory 99	Engineer	Metallurgy eng.	Full Time
1995	1995	Edfu ferrosilicon co.	Engineer	commutation efficiency	Part Time
1995	1996	Helwan Portland Cement Co	Engineer	Pollution control	Part Time
1997	1998	El-sebaya phosphate co.	Engineer	phosphate Grinding	Part Time
2007	2007	Almasane Alkobra	Consultant	feasibility study	Part Time

Funded Research Projects and Patents from the Past Five Years

1. Impact of Social Media on KAU Academic Community in Learning and Social Behavior Co-PI, KAU 2014
2. Rationalization of energy consumption in ore grinding, Co-PI, KACST 2012
3. Upgrading of low grade Saudi phosphate using microemulsion, PI, KACST 2012
4. Formulation of mathematical model for optimization of ore transportation, PI, KAU, 2012
5. Upgrading of Saudi Talc, KAU, PI, 2012
6. Upgrading of Saudi Nepheline Syenite, Co-PI, KAU, 2012
7. Development of mining engineering curriculum through DACUM, Co-PI, KAU, 2012
8. Initiation of a PhD program at mining engineering program, coordinator and Co-PI, KAU, 2012
9. Co-author of a book Entitled "Mining survey and its applications", KAU, 2012
10. Co-author of a book Entitled "Crushing and grinding of ores", KAU, 2011
11. Co-author of a book Entitled "Mining Economics", KAU, 2010
12. Upgrading of low grade Saudi phosphate, International Project with Wroclaw university of technology Poland, and Tabuk university KSA, 2009

Certifications and Professional Registrations

Professional Mining Engineer in Egypt, 2005

Current Membership in Professional Societies and Organizations

Society/organization	Rank	Member Since
1. Saudi Society of Mining engineers	Member	2007
2. Polish society for Mining Engineers	Member	2005
3. Egyptian Syndicate of Professional Engineers	Member	1992

Honours and Awards

1. Award of Professor Zaki Hat-Hoot in physical metallurgy (1990)
3. Award of Ministry of higher education in Egypt for ph. D. Scholarship in Poland, 2000
4. Award of the best presentation during the 39th Prace Naukowe Instytutu Górnictwa Politechniki Wroclawskiej conference, Poland (2004)
5. Award from his Excellency Prof. Dr. Osama bin SadikTayeb, King Abdulaziz University, 2009

Institutional and Professional Services (administration, committees, units, etc.)

1. Program coordinator for Collage of Engineering postgraduates Committe (2011- present)
2. Mining Program coordinator at College of Engineering E-Day cummitte (2007-2010)

3. Central Mineral processing Lab Coordinator since 2010 till present.

Principal Publications/Presentations from the Past Five Years

1. **Hussin A.M. Ahmed** "Effect of Depreciation Expenses on Profitability of Mineral Processing Plants" *Materials Testing*, vol. 56 (5), 2014
2. **Hussin A.M. Ahmed**, M. S. Juhani and J. Drzymala "Flotation after a Direct Contact of Flotation Reagents with Carbonate Particles –Part 2: Phosphate Ore" *Materials Testing*, vol. 56 (2), 2014
3. **Hussin A.M. Ahmed**, M. S. Juhani and J. Drzymala "Flotation after a Direct Contact of Flotation Reagents with Carbonate Particles –Part 1: Model Investigation" *Physicochem. Probl. Miner. Process.* 49(2), 2013, 713–723
4. **Hussin A.M. Ahmed** and Gamal M. Attia "Processing of iron ore fines from Alswaween locality, Kingdom of Saudi Arabia" *Physicochem. Probl. Miner. Process.* 49(2), 2013, 419–430
5. **Hussin A.M. Ahmed** and J. Drzymala "Upgrading difficult-to-float coal using microemulsion" *Minerals & Metallurgical Processing*, Vol. 29, No. 2, pp. 88-96, 2012
6. **Hussin A.M. Ahmed** and Ayman A. El-Midany "Gold recovery from sulphide minerals: a bioprocessing approach" *AFINIDAD* – Art. 3957; May 2012
7. **Hussin A.M. Ahmed** and Ayman A. El-Midany "Statistical Optimization of Gold Recovery from Difficult-To-Be Leached Sulphide Minerals Using Bacteria" *Materials Testing*, vol. 54, issue 5, pp 351-357; 2012
8. **Hussin A. M. Ahmed** "A comparative study to determine the gap between Egyptian and world phosphate upgrading" *Engineering Journal of Mining Engineers' Association of India*, issued by Indian Centre for Advanced Scientific and Technological Research (ICASTR), Vol. 12 No. 5, January, 2011
9. **Hussin A.M. Ahmed** "Dry versus wet upgrading of nepheline syenite ores" *Physicochemical Problems of Mineral Processing journal*, 46 , pp. 107-118, 2011
10. **Hussin A.M. Ahmed** "Single Versus Double Technology Upgrading of Nepheline Syenite Ore for DiffP2O5rent Industrial Applications" at XIIth International Mineral Processing Symposium, turkey, Hacettepe university 6-8 October, 2010
11. **Hussin A.M. Ahmed** and J. Drzymala "Upgrading difficult-to-float coal using microemulsion" *Alazhar Engineering International Conference*, 21-23, December 2010, Cairo, Egypt
12. **Hussin A. M. Ahmed** "Assessment of industrial-scale fluctuated separation results" *Engineering Journal of Mining Engineers' Association of India*, issued by Indian Centre for Advanced Scientific and Technological Research (ICASTR), Vol. 12 No. 5, December 2010

Recent Professional Development Activities (Workshops, training, etc.)

1. Participating in a training course entitled "The Different Methods for Estimation of Ore Reserves" Ministry of Petroleum and Mineral Resources, and Arab Industrial Development and Mining Organization, on 27/2/2010
2. Reviewer in *Journal of Colloid & Interface Science* and *Surface and Interface Analysis*, 2011, 2012, and 2013
3. Participating in a training course entitled "Principals of Rock Blasting" supervised by deanship of community services and continuing learning at King Abdulaziz University, 2011
4. The scientific organizer for a training course entitled "Prefeasibility Studies For Mining Projects" supervised by Ministry of Petroleum and Mineral Resources, and Arab Industrial Development and Mining Organization, that will be held on 2/4/2011
5. ABET Program Assessment Workshops
6. The scientific organizer for a training course entitled "ores exploration, extraction processing and marketing" supervised by Ministry of Petroleum and Mineral Resources, and Arab Industrial Development and Mining Organization, that will be held on 2/4/2012
7. Industrial DACUM Workshop, Mining Engineering Dept, King Abdulaziz university 2012
8. Academic advisor for more than 14 students, over 4 years, Mining Eng. Dept. KAU
9. Participant member in Engineering Day along 5 years.