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Education: Ph. D (1991) in Mechanical Engineering, Thermal Power,

Technical University of Czestochowa Poland

B.S (1988) in Mechanical Engineering, Production Engineering

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Research Interests

- Fluidized Bed Technology
- Heat transfer
- Geothermal and Solar Energy
- Welding Technology
- Heat Treating of steel

Taught courses:

- Materials Science and Metallurgy
- Manufacturing Processes
- Manufacturing Processes Lab.
- Engineering Workshop
- AutoCAD
- Engineering Drawing
- Heat Transfer
- Heat Transfer Lab.
- Energy Conversion

Selected Publications

- Z Bis , M Busoul , W Gajewski , Heat transfer in circulating fluidized bed, Gospodarka Paliwami Energy no 3 (1991) (in Polish)
- M Busoul , The Characteristic Fluidization Velocities for Polydispersion fluidized bed , Arab University Journal of Engineering Science, Baghdad vol 1.4 no 1 (1997) (in Arabic)
- M AL –Busoul , Experimental study for heat transfer in fluidized bed , Tashreen University Journal of Scientific studies and Research , Engineering science series, vol 20 no. (6-7) (1998) (in Arabic)
- M AL– Busoul , Local heat transfer coefficient in fluidized bed, Diarist Engineering Sciences , University of Jordan vol 26. 1999 (in Arabic)
- Z AL-Qdah , M AL –Hassan and M –AL-Busoul ,Hydrodynamic and heat transfer characteristics of an Air Fluidized bed Utilizing a Transverse Magnetic field , Jour . Chin . Inst . Chem. . Eng. vol . 31 no 2. (2000)
- M AL –Busoul , M Abu Zaid , Prediction of heat Transfer Coefficient between Immersed Surfaces and Fluidized bed , Int. comm. . Heat Mass Transfer vol 27 no.4 (2000) . USA
- Z- AL-Qdah , M- AL –Busoul , M- AL –Hassan , Hydro – Thermal behavior of magnetically Stabilized Fluidized bed . powder Technology 115 (2001) USA
- AL- Qdah , M AL-Busoul , The effect of Magnetic field on local heat transfer coefficient , in fluidized beds with immersed heating surface , Journal of Heat Transfer vol . 133/157 . Copy right 2001 by ASME USA .
- M- AL.Busoul , Bed – to- Surface heat transfer in a Circulating fluidized bed, Heat and Mass Transfer , Germany 38 (2002)
- M- AL. Busoul and S.K. Abu En , Local heat transfer Coefficients around a horizontal heated tube immersed in gas fluidized bed , Heat and Mass Transfer Germany 39 (2003)
- M- AL.Busoul , Z Bis and W Gajewski , Heat Transfer between a vertical wall and loose solid particles along its side , Mute University Journal , Engineering Science series vol . 20 no 1 . 2005
- Z Bis , M AL-Busoul , W Gajewski , W Nowak, Local heat transfer between a bed and a surface. Proc of the 4th inter. Conf. on Pneumatic Conveying. Budapest , (1990)
- Z Bis , M AL-Busoul , W Gajewski ,, Heat transfer in Circulating Fluidized bed
1st. Balltic heat transfer conf. Gotoborg (1991)
 - W Nowak, N Arai, M, Hasatani , Z Bis and M Busoul , Stochastic model of heat transfer in CFB , Proceedings of 4th SCEJ Symposium on CFB. Tokyo (Japan) , 1991
 - M AL-Busoul, Estimation of heat transfer Coefficient distribution in Circulating fluidized bed. The 1st Jordanian Mech. Eng. Conf Jordan University. (in Arabic) 1995
 - M AL-Busoul, Study for heat transfer coefficient between A fluidized bed and immersed surface in it , the 3rd Jordanian Mech . Eng. And industrial Eng. Conf. 1999
 - Z AL-Qdah and M-AL-Busoul , The effect of magnetic field on wall to bed heat transfer coefficient in magneto – air fluidized beds 1st Intr. Conf.

on heat transfer, fluid mechanics and thermodynamics Kruger park South Africa ASME sponsorship (2002)

- M AL-Busoul, The effect of heater inclination on the heat transfer coefficient in gas fluidized bed, 18th polish thermodynamics conf. Muszyn-Poland (2002).

Training Course: September(1999) Advanced Welding Technology, in Faculty of Engineering Technology

Publications: Book

Fundamentals of Engineering Drawing. Dar Al Safa Publishers Amman (1997)