

Curriculum vitae



*Dr. Mohammed Ali Jaber
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Academic and Educational Qualifications:

1. 1999-2003

Ph D. polymer physics {material science} college of science /Basrah university .the title of my thesis was (national technology for production and evaluation of some new ablative refractory material and their industrial implementation).

2. 1996-1998

M.Sc. in polymer physics (material science) college of science /Basrah university .the title of my thesis was (Evaluation study of some new phenolic resins and composite as ablative materials).

3. 1985-1990

Physics College of science / Basrah University

Work History:

1. 24/11/1990-10/12/2005

Fifteen years of experience in Iron and Steel company occupation senior chief physicist specialist in manufacturing and evaluation of ablative refractory to related 1700° C (1990 - 2005).

2. 29/12/2005- 10/9/2007

Head of marine sediment department in marine science centre/Basra University (2005 – 2006).

3- 15/1/2008-20/1/2009

Volunteer Work in Delft University

4- 13/8/2009 – 15-8-2012

Head of material science department in polymer research centre/Basrah University

5- 15-8-2012 Director of polymer research centre until now

Brief personal statement:

I submitted one of the best applied research project which was implemented on industrial scale for production of thermal insulators for Iraqi iron industries thus complete production line were established and as following :

1-mass production of ablative insulating board used for lining the tundish, the production scale was 7.5 ton/day

2-Production of high temperature cement used as binder for fixing the insulating board and other application, the total production was 60 ton/year

3- Production of tundac nozzles used for continuous casting ,

4-mass production of impad (impact pads)

5-Production of emergency casting tundish

6-semi pilot plant production of ablative casting moulds for steal cast

7- Semi pilot plant production of feeding risers

8- Production of casting moulds for inductive furnaces

The industries production scale involved designing establishment of complete production lines consisting: mixers , blenders, compressors, furnaces , ovens, moulds , reactors and quality control set up .

And I registered several patents which were all implemented industrial which are listed below:

1- Patent No. 3158(2002): title: manufacturing isolated material for unified in the continues current engine.

2- Patent No. 3007: title: Iraqi technology for production of casting nosels for melted iron.

3- Patent No. 2880(2001): title: Iraqi technology for production of crucibles coating board for melted iron and steel

4- Patent No. 3006(2002): title: Iraqi technology for production of thermal mortar used for melted iron crucible coating.

5- Patent No.3324(2011): Title Iraqi technology for production of emergency casting tundish

- 6- *Patent No. 3425(2012): - Iraqi technology for production medium density fiberboard made form the rice husk*
- 7- *Patent No.3527(2013): iraqi technology for production of cylindrical ablative casting moulds for steal cast*
- 8- *Patent No. 3646(2013):Iraqi technology for the production of polymer composite panel to deal with oil pollution in marine water and river.*
- 9- *Patent No.3903(2014). Iraqi technology for production of impads (impact pads) for thermal insulator.*
- 10- *Patent N0. 3793(2014).Iraqi technology for production construction and furniture board form the Cain.*
- 11- *Patent No. 4078(2014) Iraqi technology for production cement fibreboard made from rock fibre.*
- 12- *Patent N0.417(2015)Iraqi technology for production of sandwich panels made of woven reeds*
- 13- *Patent No. (2016) New Iraqi Technology For Production High Density Ffiberboard Made Of Waste Cartoon as Insulator*
- 14—*patent No. 4405(2015). raqi technology for the manufacture of dyes chemical resistance to acids extracted from contaminated soil residues of crude oil*

Also I submitted several papers to get another five patents from Iraqi of central organization for standardization and quality control / industrial property division

Research published

- 1-*Compressive strength of concrete containing expanded polystyrene granules. Iraq j., of polymers vol.no.1,1-11,2010.*
- 2-*Manufacture and evaluation of permeable formwork for concrete and its application in marines ports , Tartous 28-30 April 2010.*
- 3-*linear optical properties and energy loss function of novolac:epoxy blend film Archives of applied science research ,2012,4(4):1731-7140*
- 4-*Evaluations of some physical properties of ceme nt with PVA\ Polyol as binder material to produce insulating board Basrah j. Of scienc (A) vol.31(3),31-40,2013 .*
- 5-*Study and evaluation of bricks made from the local sand using sodium silicate as binder. (مجلة القادسية للعلوم الصرفة)*
- 6-*Study and evaluation of the medium density fiberboard made from old newspaper. (مجلة القادسية للعلوم الصرفة)*
- 7- *study the effect of cement and the resole-novolac as abinder for fibreboard made from reeds. Missan j.21.20 .2012*
- 8-*physical and mechanical properties of polymer blends (Asphalt-Epoxy-polystyrene),wasit j. 8(2)⊗157_166)2015*
- 9- *mechanical and physical properties of medium density fibreboard made from rice husk and fiber coating Zankoi sulaimani j. 17-3(part-A) 2015*
- 10- *mechanical and physical properties of natural fiber cement board foe building partitions netjournals vol.(2(3),pp.49-53 2014*

I am very hard working chap ,sincere ,ready to help ,pilot sincere ,with lovely personality .I am capable of directing team work and group research project ..