

Curriculum Vitae



Personal Information

Name : Mohammed Ibrahim Mohammed
Affiliation : University of Technology/Chemical Engineering Dep.
Email mohab1964@yahoo.com
mobile 009647901110179
Nationality : Iraqi

Scientific Rank:

- Associated prof. in Academic Field
- Chief of Researcher in Research Field
- Expert in Industry Field
- Consultant in NDT

Research Interests:

- Nanotechnology and Powder chnology
- Composite material
- Material analysis & NTD
- Carbon nanoparticles ,activated carbon and carbon nanotubes

Education:

Ph.D in applied Science(composite material)(university of Technology(1996)

M.Sc. in Reactor material Technology-Glasgow University (UK-1985)

B.Sc. in physics(1975) Iraq

Academic Experience:

1-Postgraduate Level:

- **Lecturer of Nanotechnology for M.Sc.Students in Chemical Engineering Department since 2010.**
- **Lecturer of Thermal insulation Materials College of Engineering/Almustensria university(2005-2008)**
- **Industrial management for higher Diploma2010/2011-University of Technology**

2-Undergraduate Level

- **Lecturer of nanotechnology and particle Technology(Third year)under graduate level. Chem.Eng.Dep.UOT**
- **Lecturer of Material Engineering,College of Engineering,Almustanseryia University1987-1990**
- **Lecturer of Insulator Material,MaterialDep College of Engineering,Almustanseryia University2003-2007**
- **1997-1999 Lecturer of Ceramic and Glass Material,Technical college**

- **2007-2008, Lecturer of Dental Material, Applied Science
Dep. University of Technology**
- **1986-1987 Lecturer of Atomic
physics, Education college, Baghdad University**
- **2005-2007, Lecturer of optics, College of Science, Almustanseryia
University**
- **2008-2011, Lecturer of Electrical Technology, Chemical
Engineering Dep. University of Technology.**
- **Research Rigs and Experiments in nanotechnology Field:
As a personal activity I built and operated the following
Experimental Rigs :**
 - 1-CVD Reactor For production of Carbon nanotube/Chemical
Eng. Dep. Since 2010 (Installed for research Activities and Teaching .**
 - 2-Arc Discharge Rig for production Carbon nanotubes and Carbon
nanoparticles (Installed in Production Dep. For M.Sc. and Ph.D.
students Since 2010.**
 - 3-Hydrodesulfurization Rig for Testing of Nanocatalyst. 2013/ Funded
by ASTF&CRDF/Chem. Eng. Dep.**
 - 3-Fluidized Bed Reactor Rig For production Activated carbon and
nano particles material .For research and Teaching. Chem. Eng. Dep.**
 - 4-Equipments and Apparatuses for Sol gel Method.**

Published Research:

M. I. Mohammed,A.A.Abdulrazak,D,H,Abdulrasol"Modified Multiwalled Carbon Nanotubes for Treatment of Some Organic Dyes in Wastewater," Advances in Materials Science and Engineering, vol. 2014, Article ID 201052, 10 pages, 2014. doi:10.1155/2014/201052.

Mohammad FadhilAbidm ,**MohammedIbrahim.**, "Designing and operating a pilot plant for purification of industrial wastewater from toxic organic compounds by utilizing solar energy" Journal of Chemical Engineering: Vol. 31, No. 7, 2014-07-01. Hindawi Publishing Corporation *Research Article*

M.I.Mohammed .Ahmed Moosam,Mustafa K. Ismael, "Carbon Nanotubes Synthesis via Arc Discharge with a Yttria Catalyst," ISRN Nanomaterials, vol. 2013, Article ID 785160, 2013. doi:10.1155/2013/785160.

Ahmed Moosa,**M.I,Mohammed** “ Synthesis and purification of carbon nanotubes”,IJND-A-13-01-08.

M.I.Mohamed ,M.Fadhil,L.H.Mahmood“Synthesis of Nanocatalysts for Improvement of Hydrodesulphurization process in Iraqi Refineries”.Project funded by CRDF and ASTF.Accepted in ICMST (2013).

M.I.Mohamed,R.Ismaiel,L.M,Mahmood “Characteristics of Carbon Nanospheres Prepared From Iraqi De oil Asphalt”.J.Advanced Material Science and Engineering,Vol.2013.

M.I.Mohamed,N.Saleh,K.R.Ismaiel,"An Experimental Study on The Variables Affecting The Production of Glucose from Strach", Engineering & Technology Journal",Vol,20,No.10,2001.

Khalid Waleed S. Al-Janabi^{1*}, FatinNafea Alazawi¹, **M. Ibrahim Mohammed**, Abdul Amir H. Kadhum³ and Abu Bakar Mohamad³.
,Direct Acetylation and Determination of Chlorophenols in Aqueous Samples by Gas Chromatography Coupled with an Electron-Capture Detector .,Journal of Chromatographic Science 2012;00:1–5
doi:10.1093/chromsci/bms040

Khalid W.S.Al-Janabi,FatiN.Alazawi,**M.I.Mohamed**,Abdul Amir H.Kadhum,AbuBakar Mohamad, Chlorophenols in Tigris River and Drinking Water of Baghdad,Iraq, Bull Environ Contam. Toxicol (2011) 87:106–112DOI 10.1007/s00128-011-0315-

M.I.Mohamed,N.J.Saleh.L.H.Mahmood,"Development a method for Production of Carbon Nanotubes" Journal of Engineering,vol.18(2012).

M.I.Mohamed., "Design and construction of a diagnostic Pulsed X-Ray Tube",Al-Nuhrain University Journal For Science,Vol. No. 2011.

M.I.Mohamed ,J.Scobie,"Failed Fuel Simulation Rig",S.U.R.C.,SC/SUB/109,1983.Glasgow university.,UK.

M.I.Mohamed ,N.J.Saleh,L.H.Mahmood,"Studying Mechanical properties of Carbon nanotube Epoxy resin Composite"J.AlnahreenEng.College.(2013).

M.I.Mohamed,R.I.Abdulwahab "Fabrication of Photodetectors and Solar Cells Based on Single –Walled Carbon Nanotubes Film Deposited on Silicon.,Report MS61/ASTF/IRD funded project(2013)

M.I.Mohamed,"Afluidized Bed Reactor for Production Activated Carbon"Iraqi Patent(2011).

M.I.Mohamed,N.Saleh,K.R,Ismaiel,Preparation of activated carbon from Iraqi reed,"Engineering& Technology Journal",Vol,26,No.3,2008

M .I.Mohamed ,N. Saleh,L.Husen ,Preparation of carbon nanocoil by novel method,Japan journal of applied physics(under publishing) .(Submitted Jan. 2013)

M.I.Mohamed,N.Saleh,K.Ajmeel,"Design and construction a pilot plant for production of bleaching clay using Iraqi raw material",First scientific conference on modern technology in oil and gas refinery,April2011

M.I.Mohamed,N.Saleh,K.Ajmeel,"Design and construction a commercial plant for production of activated carbon using Iraqi raw material",. Project Funded by ASTF/IRD.

M.I.Mohamed "DevelopmentofDelyed neutron monitor",M.Sc. Thesis University of Glasgow,UK.,1985

M.I.Mohamed ,A.Abudalnoor.,"Catalytic Behaviour of Boron in Graphitizing Polymeric carbon" IbnAlhythem Journal for Applied and Pure Science,1996

M.I.Mohamed “Graphitization of Phenolic resin Carbon and its Composite Behavior”, PhD. Thesis, University of Technology, Iraq

,A.Mosa,**M.I.Mohamed** A.Flyeh,”Preparation of Carbon nanotubes by CVD Method “Journal of advance material and nanotechnology,Accepted (2013)

M.I.Mohamed,N.Saleh,H.Luma, International Journal of Nano Science and Engineering, Sep.15,2011 Accepted

M.I.Mohamed,A.Hully.,H.Abbas,”Synthesis of Airplane Friction Disc Break for” The First Conference of Ceramic Material and its Application,Baghdad,Iraq,Feb.2000

M.I.Mohamed,”Convert City Sludge Waste into Activated Carbon using Incinerator” ,Ministry of Environment Conference,Arbeel 2008.

M.I.Mohamed,”Preparation of Uranium thin film by electrical deposition Method”Conference in Physics,Arbeel University,1987.

M.I.Mohamed and A.Al Amar, "Measurement air pollution in industrial region of Baghdad",IAEA 1981

M.I.Mohamed"Instalation and operation of neutron activation system"IAEA1986 "

(There are over 35 Published work Between 1980-1999)

Publications/ Book:

Removal of copperIII from waste water using MWCNT carbon nanotube,Lambert publishing company (2013) .

Removal of some dyes from waste water Using MWCNT, Lambert publishing company (2014).

- Atom and Peace IAEA 1986
- Research Reactors IAEA1989

Patents

Have 3 Iraqi patents in material field and 1 under registration

Supervision:

- 8 M.Sc. students in Nanotechnology Field
- 2 PhD students in nanotechnology and material Engineering
- 1Higher Diploma student in (Removal of Mercury from Natural gas by Activated Carbon/Bentonite Composite)

Training & Certificates:

- **-One month Training in Nanotechnology.MMU (USA),Missori University 2013.**

- **One month As supervisor Visitor in Manchester Metropolitan University /Manchester/UK(2013).**
- **One month as a supervisor visitor UKM,Malasiya(2010)**
- **British Certificate in Gamma and neutron spectroscopy ,Glasgow University , Scotland, UK .,1983.**
- **British Certificate in X-ray and high speed recording technique(Hadland Photonic) London., 1989.**
- **British Certificate in NDT (School of nondestructive Testing- Wells Krautkramer) London., 1989.**
- **Sweden Certificate in X-ray Technology (Uppsala University and Scanditronix Company)Sweden ., 1989.**
- **Sandia National laboratories and ASTF Certificate in Business development and Technology Commercialization Workshop(CMC –Royal Scientific Society)Jordon-Amman.,2009**
- **Have certificate in fluid Mechanic Experiment(University of Nottingham) 2008.**
- **UKM University Certificate for one month attachment in Nano-material Analysis Malaysia ., 2010**
- **British Certificate in English Language for Oversease Students(University of Glasgow).,1983**
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Honors and Distinctions

- **Have JaberAbunhaian Higher grade Science Medal in Iraq (1993)**

- Have the science day Medal 1996
- Have the Science day Medal 1997
- Have the Science day Honoring 2001
- Have the Science day Honoring 2010
- Have three thankful letter from minister of Higher Education and Scientific research
- Have 40 thankful letter from president of university of technology
- Have more than 50 thankful letter from Iraqi Universities and other Ministries as listed in separated paper.

Conferences:

- Member of organizing Committee of Nanotechnology and advance Material Conference 2009 UOT
- Member of organizing Committee Nanotechnology and advance Material conference 2010 UOT
- Member of organizing and Scientific Committee of oil and gas refinery conference(Iraq 2011)
- Workshop in Commercial Planning ,Jordon ,Amman 2009
- Conference of rebuilding Iraq, (Egypt 2004) Conference of rebuilding Iraq, (Jordon 2005)
- ICTNAM Conference,UAN 2014

Management:

- Deputy Dean of Chemical Engineering Department/University of Technology ,since 1/6/2010-1/1/2013.
- X-ray project Manager IAEA 1997-1990
- Manager of industrial application Department (Ministry of industry) 1990-1993
- Director of spare part factory (Ministry of industry) 1997-2003
- Dean of Aviation Research Centre (Ministry of Science and Technology)2003-2006

Grants and Fellowships:

- Supervisor visitor /University of Manchester Metropolitan/UK
- Supervisor visitor /University of UKM/Malaysia,2010
- M.Sc.Fellowships,University of Glasgow,UK.,1983.

Employment History:

- 1979-1993 (Atomic Energy Agency as a Researcher)
- 1993-2003(Production ,Design , Research and development industrial establishments as a Senior Researcher)
- 2003-2006(as an Expert and chief of researchers in Research field),Ministry of Science and Technology

- **2006-2007 Academic staff of Science college,Almustanseryia University**
- **2007-2008 Academic staff of applied Science Dep.University of Technology**
- **2008-20011 Academic staff of chemical Engineering Dep.University of Technology**

License/Certification :

- **Level A license in NTD from school of NDT (London 1989)**
- **Consultant in material Testing from National society for Testing and civil protection**

Skills and Qualification:

- **Have English language coarse for postgraduate student (Glasgow university),UK 1983**
- **Have a coarse in computer (UOT),Iraq 2010**

Invited Lectures and Seminars:

- **College of Engineering/Material Eng.Dep.Forum in nanotechnology 2010/Almustansria University**
- **IbunAlhythem Education college Forum .in Nanotechnology 2010**

- **College of education/department of physics /Alarqia university
2011**
- **Nanotechnology Center Forum/UOT/2011**