CURRICULUM VITAE



***Personal Details***

***NAME***  : Prof. **Mohamed Yousef Feteha**, B.Sc.(Hons), M.Sc.(EE), Ph.D.(EE), MISES, MIEEE

***HOME ADDRESS*** : 20 Mohsen Basha street, Janaklees, El-Ramel,

Alexandria, EGYPT

Tel: (203) 5746442

Mob. 0184836736

***WORK ADDRESS*** : Dept. of Material Science, Institute of Graduate

Studies and Research(IGSR), University of Alexandria,

163 Horreya Avenue, Shatby 21526, P.O.B. 832

Alexandria, EGYPT.

E-mail: FETEHA99@yahoo.com

***STATUS*** : Married, two children.

***NATIONALITY*** : Egyptian.

***DATE OF BIRTH*** : March, 2 , 1959.

***MILITARY***

***SERVICE*** : Free.

**EGYPTIAN ID NO.** : 25903020104079

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***Education and Experience***

***EDUCATION*** : - **Ph.D. with thesis's title of** ' Heterojunction AlGaAs-GaAs Solar Cells for Space Applications '**,**

Dept. Elect.&Electronic Eng.,University of Central

Lancashire, UK, 1995.

- **M.Sc.(postgraduate courses plus thesis)** in Electrical

and Electronic Eng , Alexandria University, Egypt

(Oct. 1988) with thesis's title of ' Optimisation of Solar Cell

Module Output '.

**- B.Sc.** (Hons) in Electrical and Electronic Eng, Alexandria

University, Egypt ( June 1981). B.Sc. Project about ' Microwave Passive Components and Dish Antenna '.

***OCCUPATIONS AND POSITION***S:

1982-1988 **Demonstrator** in Materials Science Dept.,IGSR,

Alexandria University, Egypt.

1988-1995 **Lecturer assistant** at the Alexandria University, Egypt.

1996-2001 **Lecturer** in Materials Science Dept. at Alexandria University, Egypt.

1996-2001 Member of the Energy Group,IGSR, Alexandria University.

1997-2001 Member of the Scientific Instruments Group,IGSR, Alexandria

university.

2001-now ***aProfessor*** in Materials Science Dept. at Alexandria University, Egypt.

2001-2007 Member in the council of the Dept. of Electrical and Electronic

Technology, University of Jubail, Saudia Arabia

2001-‏2008 ***Senior Lecturer*** in Electrical and Electronic Technology Dept.,

Jubail Industrial College, University of Jubail, Saudi Arabia

2001-2009 Departmental member in the courses development committee,

University of Jubail, Saudia Arabia

* 1. Departmental member in the ICET Industrial Advisory

committee, University of Jubail, Saudia Arabia

* 1. ***Course Director*** of instrumentation and control engineering technology major(ICET), Jubail Industrial College,

Saudi Arabia

* 1. Departmental senior EE-students advisor, University of Jubail,

Saudia Arabia

1. Departmental member in the committee for promoting and marketing the college services, University of Jubail, Saudia Arabia
   1. Deartmental EE-annual operational projects co-ordinator,

University of Jubail, Saudia Arabia

2005-2006 ***Chairman*** of Electrical and Electronic Technology

Dept., Jubail Industrial College, University of Jubail, Saudi

Arabia

* 1. Departmental EE-facilities development co-ordinator,

University of Jubail, Saudia Arabia

2007-2009 Departmental textbooks selection committee chairman ,

university of Jubail, Saudia Arabia.

2009-2012 Technical supervisor of the Patents office in Alexandria

University, Egypt.

2012 Chairman of the Library committee, IGSR

2013 Quality control coordinator, materials science department,

IGSR.

2013 Member of the energy committee, Alexandria university,

Egypt.

2013 Member in the exam control, IGSR, Alexandria university,

Egypt.

2009-now Member in the material Science department’ council, IGSR,

Alexandria university, Egypt.

2012-2013 Member in the university leaders election committee.

2017-now Professor, department of matertials science, Alexandria

University.

‏‏‏***INTERNATIONAL/NATIONAL***

***MEMBERSHIPS***:

1981-nowMember of the Egyptian Engineering Syndicate.

1985-now Member of the Arabic Organisation of Materials

Sciences(**MAOMS**).

1992 - 1997 Member of the International Solar Energy Society **(MISES)**.

1992-1995 Student Member of the Institute of Electrical and Electronic

Engineers**(studentMIEEE)**.

1996-now Member of the Institute of Electrical and Electronic

Engineers**(MIEEE)**.

1996-now Member of the University of Central Lancashire Association.

1996-now Member of the Society of Egyptians Educated in

Britain(**SEEB**).

***AWARDS*** : -**Research studentship** **Award** for three years(16,000

Pound annually) for studying Ph.D. ( 1992-1995) at the University of Central Lancashire, UK.

-**Overseas Research Students Award** **(ORSA)** in UK

(£3290 p.a.) for sessions,

-1993-1994

-1994-1995

***RESEARCH***

***INTEREST***: **Electrical and Electronic Engineering specially**

**Semiconductor and conducting polymers materials**

**including their technology, physics and devices.**

***EXPERIENCE*** :

***(a) Research and Industrial activities***

2009-2010 Coordinator of establishing a postgraduate diploma about operation of

petrochemical companies, Alexandria university, Egypt.

2006-2007 Industrial coordinator of short and long special program for the

industry, Electrical and Electronic Technology Dept., Jubail Industrial

College, Saudi Arabia.

1999-2001 Member in the ' Middle East Center for Energy and Environment

Technologies ( MCEET ), Alexandria, Egypt.

1992-1995 **Full time researcher** at University of Central Lancashire (UK) in the

field of ' **Heterojunction Solar Cells for Space Applications**' leading to a PhD degree.

1984-1992 **Research assistant** in Materials Science Dept., research work for M.Sc. Solar Cells projects in Alexandria University.

1983-1988 **Full time researcher** at University of Alexandria, Egypt in the field of ' **Optical Enhancement of Egyptian Si- Solar Cells Module** ',

leading to M.Sc. degree in 1988.

***(b) Reseach and quality projects***

1982-1987 **Research member of the Joint Research Project between**

**Alexandria University and the Eindhoven University of**

**Technology, Holland.**

The project title was ' **Solar Cells Technology Development in**

**Egypt**'.

1996-1999 **Research member of the Joint Research Project between**

**Alexandria University, Finish Aid Organisation and UNDP.**

The project title is **' Energy Auditing and Conservation '.**

1996-1999 **Research member of the Joint Research Project between**

**Alexandria University and Alexandria National Iron & Steel**

**Co.**

The project title is **' Utilisation of slag produced by electric arc**

**furnaces at Alexandria National Iron & Steel Co. in Cement**

**Concrete'.**

**2009-2011 Research member in a project funded(200,000EP) by Alexandria**

**University with a title of” CuInS2 thin film solar cells”.**

**2010-2014 -Research member in a project funded(200,000$) by STDF-USA**

**with a title of “ Polymer solar cells”.**

**2011-2015 - Copy-investigator(Co-PI) in a project funded (1000,000EP) by**

**STDF with a title of “ Photovoltaic modules production using**

**locally available materials”.**

**2012-2015 - Group leader of construction and maintenance of buildings in a**

**quality project ( CIQAP) funded by NAO, IGSR, Alexandria**

**project.**

**2016 Leader of training group in a quality project(CIQAP), IGSR,**

**Alexandria Egypt.**

**2013-now -Member in FP7 project with a title of “ Concentrated Solar**

**Power(CSP)” .**

**-Alexandria university coordinator of TEMPUS project with a title**

**of “ Establishing a master degree in Renewable Energy resources**

**in Alexandria university “.**

**- Member in TEMPUS project with a title of “ Establishing a**

**master degree in products innovation” .**

***(c) Short and special courses***

**I had been involved in opening channels between the Alexandria University and the industry in Egypt through some short courses in the field of Electronic Instrumentation and Solar Cells and its applications.**

1990- 1992 **Lecturer** of technical short courses in Electronic Instrumentation

with different levels. These courses were held in,

Feb.,1990, Aug.,1990, Feb.,1991, May 1991, Sep.,1991, Jan.,1992,

Feb.,1992 and May 1992.

1996-2001 **Lecturer** of technical short courses in Solar Cells and Systems.

2001-2008 **Program co-ordinator** of some operational technical programs for the industry in Jubail Industrial College, Saudi Arabia.

# I am teaching all the following courses in English,

# Lecturer of technical short course in “Fundamentals of

# electricity/electronics and basic instrumentation”, SADAF Saudi

# company, May 2002.

**Lecturer** of technical short course in “ AC/ DC Drives “, Hadeed Saudi company, Oct., 2003.

**Lecturer** of technical short course in “ Analogue circuits troubleshooting “, SABIC Saudi company, 2008.

**Lecturer** of technical long course in “ Basics of industrial instrumentation and measurements “, KAYAN Saudi company, April-May 2008.

**Lecturer** of technical long course in “ Industrial level measurements “, SAHARA Saudi company, June-September 2008.

***(d)Postgraduate Studies' s Supervision***

2009-now Supervisor of M.Sc. and Ph.D. students with a research title of:

1- Lithium-ion battery additives(completed).

2- Water treatment using TiO2 nano-structure (Completed).

3- Preparation and characterization of Zirconium Vanadate(nano-

structure) doped with different materials using microwave

processing(Completed).

4- Preparation and characterization of TiO2 nano-tubes for PV

Applications( Completed).

5- Preparation and characterization of CdTe QD for PV

Applications(Completed).

6- Fabrication of polymer solar cells from Polythyeven and C60 blend

(Completed).

7- Fabrication and characterization of Graphene for photovoltaic

Applications(Completed)..

1. Fabrication of MOSFET with conducting polymer layer (Completed).
2. Fabrication of CdS QD for PV applications
3. Fabrication of C- NT
4. Fabrication and characterization of QD solar cells.
5. Fabrication of inverted polymer solar cells(Completed).
6. ALD of semiconductors oxides for fabricating transistors.
7. DSSC with different composites construction of electrodes(completed).
8. Stability of the compsite DSSC.
   1. Supervisor, M.Sc. project with title’A low cost solar cell based on dye

sensitised nc-rutile TiO2 films’ Materials science Dept., Alexandria

University, Egypt.( Completed)

2001-2001 Supervisor, Diploma projects with titles, ' Electrochemical deposition of conducting polymer film', Preparation and characterization of conducting polymer film using acidic dyes, Studying the effect of preparation conditions on the nano-material film performance and modelling for solar cells with different crystalline state, Materials science Dept., Alexandria University.

2000-2001 Supervisor, Diploma project with title ' Radiation effect on the solar cells properties ', Materials science Dept., Alexandria University.

Supervisor(part time), Diploma project with title ' Modelling and fabrication of nanocrystalline dye sensitized solar cells ', Materials science Dept., Alexandria University.

1999-2002 **Supervisor**, M.Sc. project with title ' conductive polymer

for solar cells, in Materials Science Dept., Alexandria

University(completed).

1999-2001 **Supervisor**, Diploma project with title ' School

illumination and its relation to the energy conservation', in

Environmental Studies Dept., Alexandria University.

1999-2001 **Supervisor**, Diploma project with title ' Study the electrical

and electronic properties of some composite materials ', in Materials

Science Dept., Alexandria University.

1998-2001 **Supervisor**, M.Sc. project with title ' Study the effects of

electronic and optical properties of Si-solar cells with different

crystalline states on the overall efficiency', in Materials Science Dept., Alexandria University.

1998-2001 **Supervisor**, M.Sc. project with title ' The effect of heat

treatment of the casted grids alloy(Pb-Sb) in lead-Acid battery

manufacturing on the battery efficiency ', in Materials Science Dept.,

Alexandria University.

1998-2001 **Supervisor**, M.Sc. project with title ' Developing a

knowledge based system for petrochemical equipment trouble

shooting', in Information Technology Dept., Alexandria University.

1997-2001 **Supervisor**, M.Sc. project with title ' Study the effects of

physical and optical properties for different layers on the efficiency of the multijunction solar cells', in Materials Science Dept., Alexandria University.

1996-2001 **Supervisor**, Postgraduate Diploma's project with title

' Industrial Energy Conservation in Abu-Qir electric power station in

Alexandria ', for some postgraduate students, Alexandria

University, Egypt.

1996-2001 **Supervisor**, M.Sc. project with title ' The study of some

thermal properties for some building materials', in Materials Science Dept., Alexandria University.

***(e)Teaching***

‏‏2010-now Lecturer of “ Electronic circuits”, Alexandria Higher Instutite of

Technology(AHIT), Egypt

2009-now Lecturer of four courses namely, “Materials Structures” ,

“ Nano-materials”, “ Materials for renewable energy” ,“ Physics of

Solar cells” and “ Physics of semiconductors”, IGSR, Egypt.

2008-2009 Supervisor of B.Sc. final year project at Jubail Industrial

College, KSA

2001-‏2008 Lecturer of four courses(**Teaching fully in English**) namely:

Analogue and Digital Electronics, Power Electronics, Instrumentation

Engineering, Industrial Electronics and Industrial instrumentation and

measurements at Jubail Industrail College, University of Jubail,

Saudia Arabia.

2001 Lecturer of a course on, Photoelectrochemical solar cells and their physics and applications, Alexandria University.

2000-2001 Lecturer of a course on, Microwave devices and circuit, Air Defence College(ADC), Egypt.

1998-2001 Lecturer in the Electron Devices and Solid State Lab. For

undergradute students in the ADC, Egypt.

1998-2001 Lecturer of a course on ' Materials selection in Batteries industry ' for

postgraduate students at Materials Science Department, Alexandria

University, Egypt.

1996-2001 Lecturer of a course on ' Electrical and electronic Measurements ' , for

postgraduate students at Materials Science Department, Alexandria

University, Egypt.

1996-2001 **Lecturer** of a course on ' Crystallography ', for postgraduate students at Materials Science Department, Alexandria University, Egypt.

* 1. **Lecturer** of two courses on ' Solid State Electronic ', and ‘Electronic

Instrumentation’ for undergraduate students at Arab Maritime

Transport Academy (AMTA), Egypt.

1996-2001 Lecturer of a course on ' Photophysics ', for postgraduate students at Materials Science Department, Alexandria University, Egypt.

1996-2001 **Lecturer** of a course on ' Electronic and digital Instrumentation ', for

2nd year Master 's students at Material Science Dept., Alexandria

University, Egypt.

1996-2001 **Lecturer** of a course on ' Generation of Electricity from the Sun and its Applications ', for postgraduate students at Materials Science Department, Alexandria University, Egypt.

1996-2001 **Lecturer** of a course on 'Computational Methods in Materials Science', for postgraduate students at Materials Science Department, Alexandria University, Egypt.

1982-1992,

1996-2001 **Supervisor** of some practical experiments at microwave

Lab. for undergraduate students in ADC.

* 1. **lecturer (part time)at Dept. of Electrical and Electronic Eng., University of Central Lancashire, Preston, UK.**

1991-1992 **Lecturer** of a course on ' Programming with Basic ' for graduated students in the Institute of Graduate Studies and Research (IGSR), Egypt.

1990-1991 **Lecturer** of a course on ' Electricity Principles ' for

undergraduate students in Arab Maritime Transport Academy

(AMTA), Egypt.

1987-1988 **Supervisor** for some practical experiments for

undergraduate students in the Faculty of Engineering(FoE) at

microwave and communications Lab.

1984-1992 **Lecturer assistant** in Solar Cells B.Sc. Projects for some undergraduate students from Air Defence College(ADC), AMTA and

FoE.

1983 **Supervisor** for some practical experiments at electronics Lab. and

some tutorials of a course on ' electronics' for undergraduate students

in ADC, Egypt.

1982-1992 -**Supervisor** for some practical experiments in Materials Science Dept. Labs. and some tutorials of the electronics and physics courses for graduated students in IGSR.

1981- 1982 **Supervisor** for some practical experiments for undergraduate students

in FoE, Alexandria University, Egypt, at microwave and

communications Lab.

***(f) External Examiner and referee activities***

2009 - Internal examiner for material science diploma students.

- External examiner for some industrial companies in Alexandria,

Egypt.

* 1. External examiner for materials science students, Alexandria

University.

2001-now Internal examiner for (ICET and ELET) students, JIC, Saudia Arabia.

* 1. Refree of some technical journals ( Applied surface science, Journal of

physics D: Applied physics, Sensors&Actuators: A. Physical,

International research journal of pure and applied chemistry)

***(k) Books production***

* 1. Producing books for short courses about Instrumentation, Alexandria

University, Egypt.

2001-‏‏2004 Producing books for some courses namely, Analogue Electronics, Instrumentation Engineering, Solar cell physics and applications, A/C-DC Drives, Industrial Electronics and Industrial instrumentation and measurements at Jubail Industrial College, Saudi Arabia.

***(l) Lab. Facilities and degree plans***

**I am very aware of credit hours education system( Egypt and Saudia Arabia)**

2003- 2007 I have responsible in creating Labs at Jubail Industrial College, Saudi Arabia, with the following titles:

* Advanced Instrumention and Measurements
* Troubleshooting and maitenance
* ECAD and PLC
* Instrumentation Projects
* Process Operation Control

2005-2007 I have involved in establishing a full program for Associate and

Bachelor programs following ABET criteria in two different areas

namely:

-Electrical Engineering Technology

-Instrumentation and Control Engineering Technology

(***m) Computer softwar****e*

I have a very good experience in many computer software like, Basic, Visual Basic, FORTRAN, Word for Windows, Window 95 Applications, Graftool, Mathcad and ready made packages for semiconductors modelling

***LANGUAGES*** : -English(spoken/written) very good.

-Arabic(spoken/written)excellent.

-French(some).

***CONFERENCES AND***

***WORKSHOPS*** :

1. Workshop on Solar thermal, Northumbria university, UK, July 2017.
2. Workshop on renewable energy, Sapienza university, Italy, May 2017.
3. Eurosunmed FP7 project meeting, March 2017, Spain.
4. International conference of materials and society, Alexandria, Egypt, Dec.2016.
5. JAMILA TEMPUS project meeting, Nov. 2016, Spain.
6. Nanotech conference, France, June 2017.
7. JAMILA TEMPUS project meeting, May 2016, Italy.
8. Eurosunmed FP7 project meeting, Oct. 2015, Norway.
9. Eurosunmed FP7 project meeting, April. 2015, Egypt.
10. EU workshop on “Concentrated Solar Power (CSP) design and modelling”, Dec. 2014, Sharm-El-Sheikh, Egypt.
11. 2nd international conference on new energy and sustainable development (NESD 2013), 29 Nov.-1 Dec. 2013, China.
12. International conference on materials science and chemical engineering, Feb, 2013, Singapore.
13. International workshop on “current developments in

materials science/physics with relevance to photovoltaic”,

Alexandria, Egypt, 3-5 Dec. 2012.

1. 5th confertence on Nanotechnology and nano-materials, Portugal, June 2011.
2. Workshop on “ Effective manager”, Alexandria university, Sept. 2010.
3. Workshop on “ E-learning”, Alexandria university, 1-3 June 2010.
4. Workshop on “ Microwave Assist Technology in Materials Processing”, Alexandria, 21-22 Oct. 2009.
5. Workshop on ‘Pattents monitoring’, Cairo, 13-15 Oct. 2009.
6. Training program on “ Macromedia Adobe Flash”, 19-23 July, 2008, Saudia Arabia.
7. Training program on “ Yokogawa DCS”, 9-11 June,2008.

Saudia Arabia.

1. Training program on ‘HoneyWell DCS’, 29-30 March,

2004, Saudia Arabia

22. Workshop on “ Skills of Thinking”,

Alexandria University, Egypt, 6-9 August 2005.

23.Workshop on “ New trends in Teaching”,

Alexandria University, Egypt, 24-27 June 2005.

24.Workshop on “ Time management ”,

Alexandria University, Egypt, 24-27 June 2005.

25.The International Workshop on “ Information

Technology”, Jubail, Saudi Arabia, Feb., 2002.

26.The 6th Internation conference on Solar Energy and

Applied Photochemistry, Cairo, Egypt, April 2001.

27.The 27th International Symposium on Compound

Semiconductors, CA, USA, Oct. 2000.

28. US- Egyptian workshop on advanced materials, Cairo,

Egypt, Sept. 2000.

29.The first international conference on renewable energy

and environment protection technologies, Alexandria,

Egypt, Nov. 1999.

30. A UNESCO training course and workshop on ' Energy

Management ', Alexandria, Egypt, 1999.

31. The 5th International Conference on Solar Energy Storage

and Applied Photochemistry( SOLAR 99), Cairo, Egypt,

1999.

32. A UNESCO workshop on ' Energy Auditing & Conservation ', Alexandria, Egypt, 1997.

33. The 3rd International IEEE Conference' EDMO'95',

King's College, London, **UK**, Nov., 1995.

34. The 2nd International IEEE conference' EDMO'94',

King's College, London, **UK**, Nov., 1994.

35. World Renewable Energy Congress III,

Reading, **UK**, Sept., 1994.

36. IEE International Conference on 'Renewable Energy -

Clean Power 2001', IEE, London, **UK**, Nov., 1993.

37. The 1st IEEE International Conference 'EDMO'93'on '

High Performance Electron Devices for Microwave and

Optoelectronics Applications ' , Kings College, London, **UK**, Oct., 1993.

38. Second World Renewable Energy Congress, Reading,

**UK**, 1992.

39. Second Regional Symposium on ' Materials Sciences in

the Arabic States' , Alexandria, **Egypt**, 1990.

40. Second International Conference on ' Solar and

Renewable Energy ', Cairo, **Egypt**, 1989.

41. First Regional Symposium on ' Materials Science in the

Arabic States' , Alexandria, **Egypt**, 1987.

42. International Conference on ' Photovoltaic Solar Cells ',

under supervision of ICTP(Italy), Cairo, **Egypt**, 1986.

43. Workshop on ' Photovoltaic Solar Energy ' , Alexandria,

**Egypt**, 1985.

44­­­. Workshop on ' Photovoltaic Solar Energy ' ,

Alexandria, **Egypt**, 1983.

***EXHIBITIONS & SEMINARS :***

1. Member in the International steering committee of the

International Workshop about Information Technology,

Saudi Arabia, Feb. 2002.

1. I was a member in theorganization Committee and advisory group for the Renewable Energy and Environment Protection Conference, Alexandria, Egypt, Nov. 1999
2. I was a member in the Organisation Committee for the

UNESCO National Workshop, with a title of ' Solar

Energy in Egypt ', Egypt, Aug. 1997.

4. Seminar on ' The Internet - The way out ', Alexandria University, Alexandria, **Egypt**, April, 1996.

5. Seminar by National Instruments Company on ' Personal

Computer Based Data Acquisition and Instrumentation

Control ', Lancaster, **UK**, 20th July 1995.

6. Vacuum & Semiconductor Processing Seminars and

Exhibition, Livingston, Scotland, **UK**, 14-15 June 1995.

7. I participated on behalf of the University of Central

Lancashire in the Exhibition of the ' Electronics

Technology Day ' . It has been held in Blackburn

Technology Management Centre, Lancashire, **UK** in Oct.

1994. It was sponsored by European Programme to

support companies involved in electronics.

***PUBLICATIONS***:1. M.Y.Feteha, Final year project ( B.Sc.) , ' Microwave Passive

Components and Antennas' , *Alexandria University, Egypt,*

*June 1981*.

2. M.Y.Feteha, M.Sc. Thesis, ' Solar Cells', *Alexandria*

*University, Egypt, Sept.,1988.*

3. M.M. Shabana, T. Namour and M.Y. Feteha, ' Optimum

Thickness of Solar Module Front Layers for Maximum

Power Output' , *Proc. of World Renewable Energy*

*Congress, Reading , UK, Sept., 1990, pp.141-145.*

4. Interim Report no. 1, ' Heterojunction Solar Cells '

Department of Computing and Electronics, *University of*

*Central Lancashire, Preston, UK, Sept., 1992.*

5. Interim Report no.2, ' Transmission and Reflection for

Space GaAs-AlGaAs Solar Cells', *University of Central*

*Lancashire, Preston, UK, Sept., 1993.*

6. A.Al-Bustani and M.Y.Feteha, ' High Performance GaAs

Solar Cells', Proc. of the *1st IEEE International*

*conference' EDMO'93' on ' High Performance Electron*

*Devices' for Microwave and Optoelectronic Applications ',*

*Kings College, London, UK, Oct., 1993, paper 16.*

7. A.Al-Bustani and M.Y.Feteha, ' Reflectance and

Transmittance in Heteroface GaAs Solar Cells ', Proc. of

*IEE International Conference on 'Renewable Energy -*

*Clean Power 2001', London, UK, Nov., 1993, pp.55-60.*

8. A.Al-Bustani and M.Y.Feteha, ' A New DH AlGaAs/GaAs

Structure for Space Solar Cells', *International Journal* of

*Renewable Energy,* Elsevier Science, UK, *vol. 5, no. 1-4,*

*August 1994,* *pp.281-284.*

9. Al-Bustani and M.Y.Feteha, ' Transmission and Reflection

in AlGaAs-GaAs Solar Cells', Proc. of the *World*

*Renewable Energy Congress III, Reading, UK, Sept.,* *1994,*

*pp.1654-1657*.

10. Al-Bustani and M.Y.Feteha, ' Angular dependent

transmittance in space AlGaAs-GaAs solar cells',

Proc. of the *2nd IEEE International conference*

*EDMO'94, King's College, London, UK, Nov., 1994,*

*pp.7-13.*

11.Al-Bustani and M.Y.Feteha, ' Optical Characteristics of

AlGaAs-GaAs Heteroface Solar Cells', Proc. of the

*First International Conference on ' Electronics, Circuits,*

*Systems ' , ICECS'94, Cairo, Egypt, Dec., 1994,*

*pp. 840- 847.*

12. M.Y.Feteha, Ph.D. thesis,' Heterojunction AlGaAs-GaAs Solar Cells for Space Application ', *University of Central*

*Lancashire, UK, 1995.*

13. Al-Bustani and M.Y.Feteha, ' Design of antireflection

coatings for triple heterojunction AlGaAs-GaAs space solar

cells', Proc. of the *3nd IEEE International conference*

*EDMO'95, King's College, London, UK, Nov., 1995,*

*pp.55-62.*

14. Al-Bustani and M.Y.Feteha, ' Triple heterojunction AlGaAs-GaAs Solar Cells with front V-groove surface' ,

*International Journal* of *Renewable Energy, vol. 8, no. 1-4,*

Elsevier Science, UK, *May-August 1996,* *pp. 348-353.*

15. M.Soliman, M.Y.Feteha and G.Al-Dallal, " Performance simulation of bifacial buried silicon solar cells ", Proc. of

the *World Renewable Energy Congress*, *Vol. 3, Italy,*

*Sep.1998*, *pp. 1743-1746*.

16. M.Y.Feteha, G.Al-Dallal and M.Soliman " Optimum design

for bifacial silicon solar cells ", Int. J. of *Renewable Energy,*

Elsevier Science, UK, *vol.22, 2001, pp.269-274*.

17. G.Al-Dallal, M.Y.Feteha and M. Mousa, " Series resistance

effect on the output parameters of buried emitter silicon solar

cell " , Int. J. of Photoenergy, vol.1, 1999, pp.1-3.

18. M. Mousa, M.Y.Feteha and A.El-Shazly, Gamma irradiated

n-CdS(In)/P-Si heterojunction solar cells, *Int. J. of Renewable*

*Energy,* Elsevier Science, UK, *Vol. 23, 2001, pp.361-367 .*

19. M.Y.Feteha, Gamma radiation effect on the GaAs solar cell

performance, Proceeding of *the 27th International*

*Symosium on Compound Semiconductors, USA, 2-5 Oct. 2000*

20. M.Y.Feteha, Effect of anealing on the gamma irradiated GaAs

solar cell performance, Int. J. of Photoenergy(Chemical

abstracted), 2001.

21.M.Y.Feteha, M.El-Gamal, A.El-Tawansi and S.Ebrahem,

Preparation and characterization of conducting Polyaniline film

to be used as a layer in the solar cells structure, Int. J. of

Photoenergy(Chemical abstracted), 2001.

22. M.Y.Feteha, A. El-Tawansi, M.El-Gamal and S. Mabrouk,

Conductive p-type polymer blend film for

ploymer/semiconductor heterojunction solar cells, Proceedings

of the 2nd World Conference on Technology Advances for

Sustainable Development, Cairo, Egypt, April 2002.

23. M.Y.Feteha, M. Soliman, N.Gomma and M. Ashry, MIS solar

cells under gamma irradiation, Int. J. of Renewable Energy,

Elsevier Science, UK, vol.26/1, May 2002, pp.113-120.

24. M.Y.Feteha and G.Al-Dallal, The effects of temperature and light

concentration on the GaInP/GaAs multijunction solar cell

performance, Int. J. of Renewable Energy,

Elsevier Science, UK, vol.28/7, May 2003, pp.1097-1104.

25. Mohamed Feteha, Adel William and Marwa Nabil

**‘**A low cost solar cell based on dye sensitized

nc-rutile TiO2 films’ , Proceedings of WorldRenewable Energy

Congress VIII, USA, Aug. 2004.

26. Mohamed Feteha, Adel William and Marwa Nabil

‘ The optimum conditions of preparation suitable nc-rutile TiO2

films’, 5th conference of Photoenergy(Abstract), Egypt, Dec.

2004.

1. Sh. M. Ebrahim, M. M. Soliman, M. Feteha, “Preparation and

Characterization of CuInS2 Electrochemically for Thin Film Solar

Cells”, First European Energy Conference (Poster), Spain, April

2010.

1. M. Feteha, Sh. Ebrahim, M. Soliman, W. Ramdan, M. Raoof,

“Effects of Mercaptopropionic Acid as a Stabilizing Agent and

Cd :Te Ion Ratio on CdTe and CdHgTe Quantum Dots

Properties’’, 5th confertence on Nanotechnology and nano-

Materials (Poster), Portugal, June 2011.

1. Sh. Ebrahim, M. Feteha, M. Soliman, M. Raoof , M. Bakr,

“Organic-Inorganic solar cell used a CdHgTe quantum dots

layer”, 5th confertence on Nanotechnology and nano-Materials

(Poster), Portugal, June 2011.

1. M. Feteha, Sh. Ebrahim, M. Soliman, W. Ramdan and M. Raoof,

“Effects of Mercaptopropionic Acid as a Stabilizing Agent and

Cd :Te Ion Ratio on CdTe and CdHgTe Quantum Dots

Properties’’, Journal of Materials Science- Materials in

Electronics-, Springer, vol. 23, 2012. pp. 1938-1943.

1. **M.Feteha**, S. Mabrouk, W. Abdel Aleem, A. Eldemrdash,

M.Soliman, F. Abulfotuh, M. El-Sherbeny,

L. Saad,”Characterization and testing of the locally fabricated

encapsulants in Egypt for commercial photovoltaic modules

production ”, Accepted for publication in 2013 international

conference on materials science and chemical engineering,

Feb. 2013, Singapore. Published in the Advanced Materials

Research Journal, Vol. 699, 2013, p.535-540.

1. M.Y.Feteha and M.Amin,” CdHgTe Quantum Dots Sensitized

Solar Cell With Using Of Titanium Dioxide Nanotubes”,

Accepted for publication in the 2nd international

conference on new energy and sustainable development(NESD

2013) Dec. 2013, China. Published in the Journal

of power and energy engineering, Vol.1, no.5, Oct.2013, 67-72.

33. W.Wanes, M.Y.Feteha, Sh.Mabrouk, M.Soliman and

M.Amin(Poster),“Titanium Dioxide Nanotubes Sensitized by

CdTe Quantum Dots for constructing Quantum Dots Sensitized

Solar Cell”, 2nd international conference about nanotechnology,

biotechnology and spectroscopy, Cairo, Egypt, Dec.2013.

34.L.Saad, M.Soliman, M.Y.Feteha, Sh.Mabrouk and T.Abd-

Alfattah,“Nanocomposite Dye Sensitized Solar Cell Based on

Titanium Oxide/Tungsten Oxide nanorods photoelectrode and

Polyaniline-Carbon Nanotube Counter Electrode”, 225 th meeting

of ECS, May 2014, USA. 2014. Published in ECS transaction,

61(22), 2014, p.61-66.

35.W.Wanas, M.Y. Feteha, Sh.Ebrahim and M.Soliman, “TiO2

Nanotubes Sensitized by CdTe Quantum Dots for Constructing A

Quantum Dots Sensitized Solar Cell (QDSSC)”, An abstract was

sent to 4th Asia-Africa sustainable energy forum, May 2014,

Algeria.

36. Yasmin Yousry, M.Y. Feteha, Moataz Soliman, Ayman Mahmoud,

Shaker Ebrahim,” Ruthenium Oxide as a Hole Injection layer for

Inverted Polymer Solar Cells”, An abstract was sent to 4th Asia-

Africa sustainable energy forum, May 2014, Algeria.

37. M. Ameen, L. Nyns, D. Lin, T. Conard, S. Sioncke, J.

Meersschaut, M. Y. Feteha, S. Van Elshocht, and A. Delabie

, “Interface study of Atomic Layer Deposition of Gd2O3 and Sc2O3

on In0.53Ga0.47As”, (Poster)12th International Baltic ALD

conference, May 2014,Finland.

1. M. Ameen, L. Nyns, D. Lin, Ts. Ivanov, T. Conard, J.

Meersschaut, M. Y. Feteha, S. Sioncke, S. Van Elshocht, and A.

Delabie, “Atomic Layer Deposition of Al2O3, Gd2O3, and Sc2O3 on

In0.53Ga0.47As: Interfacial Layer Engineering”, ECS J. solid state

science and technology, 3(11), N133-N141, 2014.

39. H.A. Hamad, M.M. El-Latif, A.B.Kashyout, W.A.Sadik and

M.Y.Feteha, “Study on synthesis of superparamagnetic spinel cobalt

ferrite nanoparticles as layered double hydroxides by co-precipitation

method”, Russian J. of general chemistry, no.10, Vol. 84, p.2031-

2036, 2014.

1. F. Elkady, M.Y.Feteha, N.A. El Essawy, “Microstructure and electrical

conductivity properties of novel synthesized cesium doped nano-

zirconium vanadate”, International Journal of Research in Chemistry

and Environment, issue 2, Vol.4, pp184-194, 2014.

41. L.Saad, M.Y.Feteha, Sh.Mabrouk, T.Abdfattah and M.Soliman,

“Dye Sensitized Solar Cell Based on Polyaniline-Carbon

Nanotubes/Graphite Composite ”, ECS J. of solid state science

and technology, 3(10), M55-M60, 2014.

42. H.A. Hamad, M.M. El-Latif, A.B.Kashyout, W.A.Sadik and

M.Y.Feteha,” Synthesis and characterization of core/shell/ shell

magnetic(CoFe2O4/SiO2/TiO2) nanocomposite and TiO2 nanoparticle

for photocatalytic activity under UV and visible irradiation “, New

Journal of Chemistry-Royal Society of Chemistry, Feb. 2015.

43. H.A. Hamad, M.M. El-Latif, A.B.Kashyout, W.A.Sadik and **Mohamed**

**Feteha,”**Optimizing the preparation parameters of mesoporous

nanocrystalline titania and its photocatalytic activity in water: Physical

properties and growth mechanism”, Journal of process safety and

environmental protection, vol.98, 2015, p.390-398.

44. M.Y.Feteha, Shaker Ebrahim and L. Saad,” Low Cost and Free TCO

Porous Coal as a Counter Electrode for Dye Sensitized Solar Cell

(DSSC)”, accepted to be published in a conference with a title of “

**Nanotech France 2016 International Conference & Exhibition**”, 1-3

June 2016, Paris, France.

45. Ahmed Saeed, M.Y. Feteha, M.Soliman and Laila Saad, “Graphene as

a Counter Electrode in Dye sensitized Solar Cell (DSSC) “, accepted to

be published in a conference with a title of “**Nanotech France 2016**

**International Conference & Exhibition** ”, 1-3 June 2016, Paris, France.

46. M.Y.Feteha and Mahmoud Ali, “ PLC as a tracking control option for

CSP”, accepted to be published in the European materials research

Society (EMRS) Conference, France, May 2016.

47. 39. H.A. Hamad, W.A. Sadik, M.M. Abd El-latif, A.B. Kashyout, **M.Y.**

**Feteha,** “Photocatalytic parameters and kinetic study for degradation of

dichlorophenol-indophenol (DCPIP) dye using highly active

mesoporous TiO2 nanoparticles”, J ournal of environmental science,

vol. 4 3, 2 0 1 6, p. 2 6 – 3 9.

48. M. Soliman, **M.Y. Feteha**, Shaker Ebrahim and Laila Saad,

"Electrodeposited Platinum NPs/Graphite Electrode for Photovoltaic

Applications", accepted to be published in the conference with a title of

“Materials and Society”, Alexandria, Egypt, Dec.2016