
Curriculum Vitae
Dr. Eman Fathy Morsy ALI
(E.F.M.El-Zaidia)

Associate Professor of Solid State Physics
(Nano thin Films & Solar Cells)

Personal Information

Place of Birth: Cairo -Egypt

Sex: Female

Nationality: Egyptian

Degree: Associate Professor

Permanent address: Physics Department, Ain Shams University, Cairo –Egypt

Current address Department of Physics, Faculty of Science, University of Tabuk ,
Tabuk, Saudi Arabia

Contact information: emanfathy@edu.asu.edu.eg
Tel:

Work Experience:

- **Associate Professor** of Solid State Physics, Faculty of Education, Ain Shams University from 31/7/2017.
- **Lecturer** in Physics Department, Faculty of Education, Ain Shams University, 21/1/2012-2017.
- **Assistant Lecturer** in Physics Department, Faculty of Education, Ain Shams University, 2008-2012.
- **Instructor in** Physics Department, Faculty of Education, Ain Shams University, 2004-2008.

Qualifications:

- PhD in Solid State Physics in 2011 Department of Physics, Ain Shams University, Cairo, Egypt. With title " *Titled "Physical Characteristics of Organic Dye Thin Films for Solar Cell Applications"* .
- Master's in science (Physics) in 2008, Department of Physics, Ain Shams University, Cairo, Egypt. With title " *Investigation of structural and physical properties of organic materials thin films"* .
- Special Diploma of Science (Physics Department, Faculty of Education, Ain Shams University, Egypt, 2005.

- General Diploma of Science (Physics Department, Faculty of Education, Ain Shams University, Egypt, 2004.
- Bachelor of Science and Education Physics Department, Faculty of Education, Ain Shams University, Egypt, 2003 **G.P.A:** Very Good with honors.

Special Diploma

Participated in and completed the "Mediterranean school on Nano-physics" (ICTP) 2-11/12/2010.

Conferences and Workshop:

1. The first conference for scientific research for development - Ain Shams University, 2007.
2. The International Conference on Nanotechnology: Opportunities and Challenges - Saudi Arabia 17-19/6/2008.
3. The workshop to nanotechnology, and modern materials - University of Jordan - Jordan - 10-13/11/2008.
4. Workshop on Nanotechnology and modern materials - National Research Center - Egypt - 2009.
5. The 1st International Joint Conference on Materials Science & Nanotechnology and Biotechnology - MNB 09- (Future challenges) January 4- 6th, 2009-NRC- Cairo, EGYPT.
6. The 6th workshop on laser technology& applications (nanostructures and nanotechnology) faculty of engineering Banha university 31/12/2009.
7. The 2nd international conference on advanced materials and their applications &"new trends in nano-science and laser physics" april 6- 8 2010-NRC- Cairo, EGYPT.
8. The first college Conference (the future of the Arab teacher in a changing world) 1-Ain Shams University 2/6/2011.
9. Scientific Conference IX (distance education and continuing education) Conference Center, Cairo University. 11-12/7/2012.
10. Workshop program (Castilla) Faculty of Science - University of Tabuk 04/08/1437
11. A workshop entitled "Assessing Kadh tests assessing learning outcomes as quality standards," Faculty of Science - University of Tabuk 04/27/2015.
12. Workshop measurement and evaluation at universities between theory and practice from 2-3 / 3/2015 is based Faculty of Medicine – Tabuk.
13. First Forum of physics entitled "Advanced Semiconductor detectors conductors of 8-12 / 3/2015 is based Faculty of Medicine – Tabuk.

14. Thirty annual meeting of the Saudi Society for the Life Sciences "Red Sea economics of Conservation and Development) 7-9 / 4/2015 Tabuk - Saudi Arabia.
15. Workshop on "e-learning and distance education," primarily at the Faculty of Science, neighborhood-festival in October 2014.
16. Setup of the forum scientific student of the fifth 2-5 / 2/1436 Faculty of Science - University of Tabuk.
17. Workshop "Evaluation of faculty" 2-3 / 3/1436 Centre by Salman civilization - Tabuk
18. Student activities Faculty of Science - University of Tabuk.
19. Workshop of "statistical analysis of research data and student's grades using SPSS" 30/11-1/12 -2016 University of Tabuk.
20. Workshop of "Evaluating learning outcomes" 23-24/11-2016 University of Tabuk.
21. Workshop of "Course item banking and test production using X-Pro Milestone – level (1)" 7-8/12-2016 University of Tabuk.
22. How to develop KPIs, Saudi Digital library (8/2/2016).
23. EndNote online collect, manage, share and format your references, Saudi Digital library (3/3/2016),
24. for authors springer services, Saudi Digital library (12/10/2016).
25. "Search the sources of information Springer for physics and chemistry", Saudi Digital library (22/10/2017).
26. Workshop on "Blackboard System", Faculty of Science, University of Tabuk, Saudi Arabia, 26-27 / 11/2018.
- 27- Workshop on" Definition of the sun platform" Faculty of Science, University of Tabuk, Saudi Arabia, 3 / 12/2019.
- 28- Workshop on" Good test specification " Faculty of Science, University of Tabuk, Saudi Arabia, 2 / 4/2019.
- 29- Workshop on" We demand our responsibility for academic guidance and our role" Faculty of Science, University of Tabuk, Saudi Arabia, 8 /1/2019.
- 30- Workshop on" Develop the behavioral and emotional skills of the student " Faculty of Science, University of Tabuk, Saudi Arabia, 10 /2/2019
- 31- Workshop on" Live your life with passion" Faculty of Science, University of Tabuk, Saudi Arabia, 27 /2/2019

32- Workshop on " Enhance your confidence " Faculty of Science, University of Tabuk, Saudi Arabia, 20 /2/2019

33- Workshop on "Quality of Life in the Workplace" Through the development and distance training platform "My Skills" to develop the skills of faculty members on 17/8/1440 H.

34- Scientific Lecture "The use of nanotechnology in the manufacture of flexible capacitors with high efficiency" within the series of scientific excellence in scientific innovation ,Faculty of Science, University of Tabuk, Saudi Arabia, 11 / 1/1441H.

35- Scientific lecture "Medical Applications of Nanotechnology" within the series of scientific excellence in scientific creativity, Faculty of Science, University of Tabuk, Saudi Arabia, 18 /1/1441H.

30- Scientific lecture "Modern techniques used in the development of the Red Sea" within the series of scientific excellence in scientific creativity , Faculty of Science, University of Tabuk, Saudi Arabia, 2/2/1441H.

36- Scientific lecture "Bissell solution to the Kepler equation and the calculation of interviews and couplings of the planets of Earth and Mars" within the series of scientific excellence in scientific creativity Faculty of Science, University of Tabuk, Saudi Arabia, 9 /2/1441H.

37- Scientific Lecture "New therapeutic prospects using stem cells" within the series of scientific excellence in scientific creativity, Faculty of Science, University of Tabuk, Saudi Arabia, 16 /2/1441H.

38- conference of "The environment and biodiversity of the red sea conference", Organized by: University of Tabuk – Faculty of Science in cooperation with Saudi Biological Society March 31 – April 1, 2021 / 18-19 Shaban, 1442 Hijri

35- Attending the camp workshops during the day, from 12/7/2020-12/8/2020, Tabuk University.

36- Attending the first scientific conference for heads and supervisors of scientific departments - King Saud University, from 10-12/11/2020.

37- Participation within 54 hours of the Techstars Online Startup Weekend event in partnership with Saudi Ministry of Education, including learning the idea from the business model board, validation from 9-11/7/2020.

38- Nano online series entitled "Horizons of Nano" Saudi Nanotechnology Initiative from 15-24/6/2020

39- I attended the first summer enrichment program (Tuwaiq) in the field of 1.21 companies
1.2

Submitted by the Department of Computer Science (online) during the period 6/10/2020 to 6/25/2020, 32 hours, Imam Abdul Rahman Bin Faisal University.

40- Attending a Distinguished Mark in Scientific Creativity, 2020-2021 as well as 2021-2022, College of Science, Tabuk University.

41- Attending a lecture on "How to Design and Synthesize Your Own Smart Nanomaterials".
Science and Technology "2/1/2022

42- Attending a lecture "His Presence and Nanotechnology for Biomedical Applications"
College of Science, Tabuk University 3/1/2022

Participate in training course

The project of developing the capacity of faculty members and leaders,

- a) The "effective school management" 15-16 Oct 2005
- b) The "sources of university education" from 19-22 November 2005.
- c) The quality assurance and accreditation of the 12-14 December 2006.
- d) The "communication skills" from 9-11 December 2006.
- e) The "modern methods of teaching," June 2008.
- f) The "use of technology in teaching," June 2008.
- g) "Management of the research team "4-6 April 2009
- h) The ethics of scientific research"12-14 December 2009.
- i) "Financial aspects" 17-19 /2/2009.
- j) "Credit hours" 22 – 24/1/ 2010.
- k) "International Publishing" 17-19/7/2010.
- l) "organizing scientific conferences," 24 – 26/5/ 2011
- m) "Time management and meetings: 22-24/12/2012.
- n) "Credit hour System" 25-27/5/2013.
- o) "Financial and legal aspects in the university" 3-4/7/2017.
- p) "International publication of scientific research (for scientific colleges)" 3-4/7/2017 in
night.
- q) "Effective presentation skills" 5-6.7/2017.

- r) "University Management" 5-6/7/2017 in night.
- s) Change management from 2/6/2020 to 3/6/2020
- t) Negotiation and persuasion skills from 9/6/2020 to 10/6/2020
- u) • Search and Research 11/6/2020 to 12/6/2020
- v) Examination systems and student calendar from 11/6/2020 to 12/6/2020
- w) Credit hours and academic advising from 8/18/2020 to 8/19/2020

Fields of Research

- Solid state physics.
- Nano physics
- Optical properties of thin films,
- Physical properties of organic materials thin films.
- Photovoltaic of solar cells

Thesis Supervised

- Supervisor on (1) PhD Thesis (complete)

Committees

- Member of a committee " Laboratories and scientific research " Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2019-2020
- Coordinator of committee "Measurement and Evaluation" Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2019-2020
- Coordinator of committee "General Materials" Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2019-2020
- Coordinator of a committee" schedule and Registration" Faculty of Science, University of Tabuk (female section) for the academic year 2018-2019
- Coordinator of a committee" hall" Faculty of Science, University of Tabuk (female section) for the academic year 2018-2019.
- Member of the Committee of the "website" Faculty of Science (female section) University of Tabuk for the academic year 2018-2019.
- Coordinator of committee "Measurement and Evaluation" Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2014- 2019.

- Coordinator of a committee " Devices and laboratories" Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2018-2019
- Member of a committee "the schedule and academic affairs" Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2019.
- Coordinator of a committee "General physics (3)" Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2017-2018, 2018-2019.
- Coordinator of a committee "the schedule and academic affairs" Physics department (female section) Faculty of Science, University of Tabuk for the academic year 2014-2018.
- Coordinator of a committee "halls" Physics department (female section) Faculty of Science University of Tabuk for the academic year 2014-2018.
- Coordinator of a committee "Graduation Students" Physics department, Faculty of Science, University of Tabuk for the academic year 2014 until 2018.
- A member of "Measurement and Evaluation" Faculty of Science - University of Tabuk 2014-2018.
- Coordinator of Committee for "Student Affairs" Department of Physics Faculty of Science -Tabuk University for the academic year 2015-2018.
- Coordinator of a committee "halls" Faculty of Science University of Tabuk for the academic year 2015-2016 and 2016-2017
- Supervisor of the preparatory year for Mahragan - Academic year 2015-2016
- Coordinator of a committee "preparatory year for massif " Department of Physics - Faculty of Science - University of Tabuk - Academic year 2016-2017 (First Semester).
- Coordinator of a committee "examination committee "Department of Physics Faculty of Science, University of Tabuk for the academic year 2014-2015 and 2015-2016
- Member of examination for the preparatory year Faculty of Science, University of Tabuk for the academic year 2014-2015

Scientific cooperation

Shows through published research diversity in dealing with the a variety of universities and centers scientific domestic and international

Certificates of thanks and appreciation

1. A certificate of thanks and appreciation from Vice-Dean Faculty of Science Research and Graduate Studies " to share as a member of the Committee for registration in the fifth Scientific Forum for students Tabuk University 14-15 / 4/1436.
2. A certificate of thanks and appreciation from the "Committee for the student activity - the Faculty of Science" for participation in the activities of the students.
3. Shield of appreciation from the Faculty of Science at the University of Tabuk contributes to the development.
4. A certificate of thanks and appreciation from the dean of student activity to participate in the campaign (breast cancer) 5-9 / 1/1437 e University of Tabuk.
5. Certificate of thanks and appreciation from the General Administration of Education in Tabuk Region during the participation of the National Olympiad for Science and Mathematics for the year 1436-1437 AH

Mastery of computer and English language

- Mastery of the computer and use programs with access to ICDL certificate.
- Proficiency in English speaking and writing

List of publication

51. Structural characterizations and photoelectric performance of non-crystalline boron subphthalocyanine chloride films/FTO for photodiode applications
S Alfadhli, AAA Darwish, S Soliman, EFM El-Zaidia, IS Yahia, F Laariedh, ...
Journal of Non-Crystalline Solids 601, 122044
50. Structural, electronic, and optoelectronic characteristics of GaClPc/n-Si heterojunction for photodiode device
S.A Al-Ghamdi, Taymour A Hamdalla, **E.F.M. El-Zaidia**, Ahmed Obaid M Alzahrani, Nawal Alghamdi, Syed Khasim, I.S Yahia, A.A.A. Darwish
Materials Science in Semiconductor Processing 147 (2022)106704
49. Electrical and photoelectrical properties of a vacuum-deposited MnClPc/n-Si heterojunction for photodiode application
A.A.A. Darwish, Saleem I. Qashou, **E.F.M. El-Zaidia**, I.S. Yahia, BO El-Bashir, Raedah A.S. Alatawi, Taymour A Hamdalla, S. Alfadhli
Micro and Nanostructures, (2022) 207239
48. Studying the surface morphology, linear and nonlinear optical properties of manganese (III) phthalocyanine chloride/FTO films
A.A.A. Darwish, S. Helali, S.I Qashou, I.S Yahia, **E.F.M. El-Zaidia**
Physica B: Condensed Matter 622 (2021) 413355
47. Facile deposition of non-crystalline films of indium (III) phthalocyanine chloride for flexible electronic applications
A.A.A. Darwish, Taymour A. Hamdalla, S.A. Al-Ghamdi, Ahmed Obaid M Alzahrani, Syed Khasim, I.S. Yahia, **E.F.M. El-Zaidia**
Journal of Non-Crystalline Solids 571 (2021) 121043
46. Studies structure, surface morphology, linear and nonlinear optical properties of nanocrystalline thin films of manganese (III) phthalocyanine chloride for photodetectors application
E.F.M. El-Zaidia
Sensors and Actuators A: Physical 330 (2021)112828
45. Structural characterization and optical properties of nanostructured indium (III) phthalocyanine chloride/FTO thin films for photoelectric applications
S.A. Alghamdi, A.A.A. Darwish, I.S. Yahia, **E.F.M. El-Zaidia**
Optik 239,(2021) 166780
44. Phase, AC conductivity and dielectric properties of Indeno [1, 2-b] flourene-6, 12 dione thin film as a function of frequency and temperature
A .El-Denglawey, S.I. Qashou, A.A.A. Darwish, **E.F.M. El-Zaidia**
Physica Scripta 96 (7) (2021) 075810

43- Rhodamine-6G nanostructured organic films for optical limits: structural analysis, surface morphology, linear and nonlinear optical characteristics

E.F.M. El-Zaidia, A.A.A. Darwish, I.S. Yahia
European Physical Journal Plus 136 (2021) 422

42- Structural characterization and optical properties of nanostructured indium (III) phthalocyanine chloride/FTO thin films for photoelectric applications

S.A. Alghamdi, A.A.A. Darwish, I.S. Yahia, **E.F.M. El-Zaidia**
Optik 239 (2021) 166780

41- Temperature and frequency dependence of dielectric characteristics, modulus spectroscopy and AC electrical conductivity in Erythrosine B thin films

E.F.M. El-Zaidia, H.A.M. Ali
Journal of Materials Science: Materials in Electronics,(2021) 1-8

40- Linear and nonlinear optical characteristics of manganese phthalocyanine chloride/polyacetate sheet: Towards flexible optoelectronic devices

A.A.A. Darwish, H.A.M. Ali, **E.F.M. El-Zaidia**, S. Alfadhli, B.O. El-Bashir, Raedah A.S. Alatawi, Amir A.A. Eisa, I.S. Yahia
Optical Materials 114 (2021) 110988

39- Effect of thickness on linear and non-linear optical characteristics of thermally deposited Indium Phthalocyanine Chloride thin films

S. Alfadhli, H.A.M. Ali, **E.F.M. El-Zaidia**, Raedah A. S. Alatawi, A.A.A. Darwish, I.S. Yahia
Journal of Materials Science: Materials in Electronics 32 (2021) 1907-1917

38- Noncrystalline films of gallium (III) phthalocyanine chloride evaporated on fixable polymer surface for flexible optical application: Optical spectroscopy and optical limiting

E.F.M. El-Zaidia, A.A.A. Darwish, I.S. Yahia, M. Rashad
Physica Scripta 95 (2020) 115802

37- Thermally evaporated of homoamorous nanostructured gallium-phthalocyanine-chloride films:Optical spectroscopy

E.F.M. El-Zaidia, Saleem I. Qashou, A.A.A. Darwish, I.S. Yahia
Optical Materials 109 (2020) 110407

36- Thin-film of nanostructured gallium (III) chloride phthalocyanine deposited on FTO: Structural characterization, optical properties, and laser optical limiting

A.A.A. Darwish, Taymour A. Hamdalla, **E.F.M. El-Zaidia**, T.A. Hanafy, Shams A.M. Issa, I.S. Yahia
Physica B 593 (2020) 412321

35- Optical linearity and bandgap analysis of Erythrosine B doped in polyvinyl alcohol films

E.F.M. El-Zaidia, H.A.M. Ali, Taymour A. Hamdalla, A.A.A. Darwish, T.A. Hanafy
Optical Materials 100 (2020) 109661

- 34- Experimental investigation and modeling of electrical properties for phenol red thin film deposited on silicon using back propagation artificial neural network
H.A.M. Ali, **E.F.M. El-Zaidia**, R.A .Mohamed
Chinese Journal of Physics 67(2020) 602-614
- 33- Estimation of Electrical Conductivity and Impedance Spectroscopic of Bulk CdIn₂Se₄ Chalcogenide
E.F.M. El-Zaidia, E.A. El-Shazly, H.A.M. Ali
Journal of Inorganic and Organometallic Polymers and Materials 30 (8) (2020) 2979-2986
- 32- Facile deposition of nanostructured Rhodamine-6G/FTO optical system thin films for optical limiting
HAM Ali, EFM El-Zaidia, IS Yahia
Materials Chemistry and Physics (2020) 122877
- 31- Electronic properties and photovoltaic performance of VONc-ZnO hybrid junction solar cells ,
E.F.M. El-Zaidia, A.A.A. Darwish
Synthetic Metals 259 (2020) 116227
- 30- Deposition of nanostructured methyl violet-10B films/FTO: Optical limiting and optical linearity/nonlinearity
E.F.M. El-Zaidia, M.S Al-Kotb, I.S. Yahia
Materials Chemistry and Physics, 40(2020) 122074.
- 29- Physico-chemical properties of acid fuchsin as novel organic semiconductors: Structure, optical and electrical properties
E.F.M. El-Zaidia, M.S. Al-Kotb, I.S Yahia
Physica B: Condensed Matter 571(2019) 71-75
- 28- Methylsilicon phthalocyanine hydroxide doped PVA films for optoelectronic applications: FTIR spectroscopy, electrical conductivity, linear and nonlinear optical studies
S.I. Qashou, **E.F.M. El-Zaidia**, A.A.A. Darwish, T.A. Hanafy
Physica B: Condensed Matter 571(2019) 93-100
- 27- Quantum confinement observation of milled potassium chloride
M. Rashad, **E.F.M. El-Zaidia**, S.E.AL Garni, A.A.A Darwish
Nano, (2019) 1950067
- 26- Investigation structural, electrical conductivity and dielectric properties of bulk Azure A Chloride
H.A.M.Ali, **E.F.M.El-Zaidia**
The European Physical Journal Plus 134 (5) (2019) 188
- 25- Investigation of structural and electrical properties of 2,9-Bis [2-(4-chlorophenyl)ethyl] anthracene [2,1,9-def:6,5,10-d'e'f'] diisoquinoline-1,3,8,10 (2H,9H) tetrone (Ch-diisoQ) nanostructured films for photoelectronic applications.

A.A.A. Darwish, **E.F.M. El-Zaidia**, Saleem I. Qashou
Physica B: Condensed Matter, 558(2019)116-121.

24- A Simulated Neural System (ANNs) for Micro-Hardness of Nano-Crystalline Titanium Dioxide

D.M. Habashy, H.S. Mohamed, **E.F.M. El-Zaidia**
Physica B: Condensed Matter, 556(2019)183-189.

23- Structural, optical, electrical and dielectric properties of PVA-YCl₃ films

E.F.M. El-Zaidia, S.I. QASHOU, A.A.A. DARWISH, T.A. HANAFY
Surface Review and Letters, 1850149 (2019).

22- Optical and dispersion properties of thermally deposited phenol red thin films

HAM Ali, MM El-Nahass, **E.F.M. El-Zaidia**
Optics & Laser Technology 107, 402-407 (2018).

21- NANOINDENTATION AND OPTICAL PROPERTIES OF HIGH DENSITY POLYETHYLENE/ZnO NANOPARTICLES COMPOSITES.

D.E. Abulyazied, **E.F.M. El-Zaidia**
Journal of Ovonic Research 14 (5) (2018).

20- Fabrication and Electrical Characteristics of Thioindigo/Silicon Heterojunction

N.M. Khusayfan, **E.F.M. El-Zaidia**, M.M. El-Nahass
Silicon, 1-8 (2018).

19- Dielectric Relaxation Behavior and AC Electrical Conductivity Study of 2-(1,2-Dihydro-7-Methyl-2-Oxoquinoline-5-yl) Malononitrile (DMOQMN)

M.M. EL-NAHASS, **E.F.M. EL-ZAIDIA**, A.A.A. DARWISH, G.F. SALEM
Journal of Elec. Materi (2017).

18- Dielectric relaxation and optical properties of 4-amino-3-mercapto-6-(2-(2-thienyl)vinyl)-1,2,4-triazin-5(4H)-one donor

M. M. EL-NAHASS, AHMED.ASHOUR, A. A. ATTA, HOSAM A. SAAD, A. M. HASSANIEN, ATEYYAH. M. AL-BARAD and **E. F. M. EL-Zaidia**
Pramana – J. Phys. (2017) 88:6.

17- Influence of annealing on structural and Micro- Hardness of nanocrystalline TiO₂ Thin Films

F. Abd El-Salam, M. M. Mostafa, M.M. El-Nahass, R.H.Nada, **E.F. M. El Zaidia**, H.S. Mohamed
International Journal of Scientific & Engineering Research, 6(2015) 255-268.

16- Fabrication, electrical and photovoltaic characteristics of perylene-66 based diodes (comparative study)

M.M. El-Nahass, A.A.M. Farag, N.M. Khosifan, **E.F.M. El-Zaidia**
Synthetic Metals 209 (2015) 74–81.

- 15- Fabrication and study the performance of solar cell made from new nanostructure phthalocyanine complex thin film
A.A. Hendi , **E.F.M. El-Zaidia**
Synthetic Metals 199 (2015) 388–393.
14. Structural and spectrophotometric measurements of optical properties of 2-chloro-5-(2,5-dimethoxy-benzylidene)-1,3-diethyl-dihydro-pyrimidine-4,6(1H,5H)-dione thin film
H.S.Soliman, E.F.M.El-Zaidia, H.A.M. Ali, S.M. Atef
Materials Science in Semiconductor Processing 24(2014) 254–259.
- 13- Current–voltage and photovoltaic characteristics of n-Ge₁₀Se₈₀In₁₀/p-Si heterojunction.
M.M. El-Nahass, **E.F.M. El-Zaidia**, M. H. Ali, I.T. Zedan
Materials Science in Semiconductor Processing 24(2014) 254–259.
- 12- Dielectric and electrical conductivity studies of bulk lead (II) oxide (PbO)
A.A.A. Darwish, **E.F.M. El-Zaidia**, M.M. El-Nahass, T.A. Hanafy, A.A .Al-Zubaidi
Journal of Alloys and Compounds, 589, (2014) 393-398.
- 11- Gamma irradiation effect on the structural and optical properties of nanostructured InSe thin films
M.M. El-Nahass, A.A.A. Darwish, **E.F.M. El-Zaidia**, A.E. Bekheet
Journal of Non-Crystalline Solids 382 (2013) 74–78.
- 10- Characteristics of dielectric properties and conduction mechanism of TlInS₂: Cu single crystals
M.M. El-Nahass, H.A.M.Ali, **E.F.M.El-Zaidia**
Physica B, 431 (2013) 54–57.
- 9- Comparable optical properties and the dispersion parameters of monomeric axially ruthenium phthalocyanine thin films
Tamer E Youssef , M.M. El-Nahass, **E.F.M.El-Zaidia**
Journal of Luminescence 138 (2013) 187–194.
- 8- Characterization and photovoltaic performance of organic device based on CoMTPP/p-Si heterojunction
M.M .El-Nahass, A.A. Atta, **E.F.M. El-Zaidia**, A.A. Hendi
Microelectronic Engineering 116(2014)58-64.
- 7- Electrical conductivity and dielectric measurements of CoMTPP
M.M. El-Nahass a, A.A. Atta, **E.F.M. El-Zaidia**, A.A.M. Farag , A.H. Ammar
Materials Chemistry and Physics 143 (2014) 490-494.
- 6- Influence of X-ray irradiation on the optical properties of 5,10,15,20-Tetrakis (4-methoxyphenyl)-21H,23H-porphine cobalt (II) thin films
M.M. El-Nahassa, A.H. Ammar, A.A. Atta, A.A.M. Farag, **E.F.M. El-Zaidia**
Optics Communications 284 (2011) 2259–2263.

5- Effect of heat treatment on morphological, Structural and optical properties of CoMTPP thin films

M.M. El-Nahass, A.H. Ammar, A.A.M. Farag, A.A. Atta, **E.F.M. El-Zaidia**
Solid State Sciences 13 (2011) 596-600.

4- Fourier-transform infrared and electrical properties of magnesium phthalocyanine thin films

M.M. El-Nahassa, A.A. Atta , **E.F.M. El-Zaidia**
Eur. Phys. J. Appl. Phys., 54, 10201 (2011).

3- Electrical Transport Mechanisms and Photovoltaic Characterisation of MgPc /p-Silicon Hybrid Organic–Inorganic Solar Cells

M.M. El-Nahass, A.A. Atta, H.E.A. El-Sayed, **E.F.M. El-Zaidia**
Current Organic Chemistry, 14(2010) 84-88.

2- Effect of gamma irradiation on the optical properties of Nano-MgPc thin film

M.M. El-Nahass , **E.F.M. El-Zaidia** , S. Yaghmour
Int. J. Nano and Biomaterials, 2,(2009) 1-5.

1- Structural and optical properties of thermal evaporated magnesium phthalocyanine (MgPc) thin films.

M.M. El-Nahass, A.A. Atta, H.E.A. El-Sayed , **E.F.M. El-Zaidia**
Applied Surface Science 254 (2008) 2458-2465.