

Personal Information



Furkan Kamil Mohammad Al-Janabi

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Date of Birth: 16 June 1990

Cell Phone: +964 7802865520

City of Birth: Najaf - Iraq

City of Residence: Najaf -Iraq

Marital Status: single

Home Address: Al-ameer District_Najaf

University Address: Department of Laser and Optoelectronic Engineering, Faculty of Engineering, University of Technology , Al-senaha street,Baghdad, Iraq.

Education

MS.c in Optoelectronic Engineering, Baghdad, University of Technology (2013-2016) GPA: 80.9/100.

Thesis: Preparation and characterization of polymeric solar cell properties complemented with efficiency enhancement by laser Grade: 90/100.

Supervisors: Prof.Kadhim Abd Hubeatir
 Prof. Ahmed A. Al-Amiery

BS.c in Laser and Optoelectronic Engineering, Baghdad, University of Technology (2010-2013) GPA: 76.899 / 100 (third Rank Among 19 Students).

Pablications

Patents from Iraqi Ministry of Industry:

- Enhancement of Polymeric Solar-Cell Utilizing Laser & Nano-Technology_Reg.no. 4641
- Enhancement the efficiency of Silicon Solar-Cell chemical chlorophyll dye & polymer_Reg.no.5538
- Healing the problems of corrosion of oil pipelines by using eco-friendly materials_Reg.no.4640

Journal Papers:

- Furkan Kamil, Kadhim Abid Hubeatir, Mohammed Shamel and Ahmed A. Al-Amiery "Microwave- assisted solvent-free synthesis of new polyimine", Cogent Chemistry .Vol.1, 2015.
- Kamil F, Hubiter K, Abed T, Al-Amiery A (2015) Synthesis of aluminum and titanium oxides nanoparticles via sol-Gel method: optimization for the minimum size. J Nanosci Technol 37–39
- K. Abid Hubeatir, F. Kamil, A. A. Al-Amiery, A. A. H. Kadhum and A. B. Mohamad, "Polymer solar cells with enhanced power conversion efficiency using nanomaterials and laser techniques", *Advanced Performance Materials Volume 32, No*
- Dhafer Manea Hachim AL-Hasnawi, Ali Abdulabbas Abdullah, Furkan Kamil," Novel Technique for Photovoltaic Solar Cell Efficiency Enhancements by Coating with Chlorophyll", *Journal of Physics: Conference Series, Conf. Series 12345671* 2018.
- Abdul Hameed M. J. Al Obaidy, Ahmed A. Al Amiery, Rana R. Al Ani, Yasameen K. Al Majedy, Furkan Kamil," Study the Pollutants Chlorophenols: Electronic and Physical Properties Relationship " *Eng. & Tech. Journal, Vol. 34, Part (B), No. 3, 2016.*
- Furkan Kamil, Kadhim Abid Hubeatira, Ahmed A. Al-Amiery, *Polymeric Solar Cells: A Mini-Review of Fabrication Techniques,Journal of Iraqi Industrial Research Vol. 2, No. 2 (2015) 26-30. ISSN 2226-0722*
- Furkan Kamil. Dhafer Manea Hachim AL Hasnawi, improvement the performance of polycrystalline solar cell by coating with mixture of polymer (nitro cellulose) and blue victoria dye, *International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 11, November2018, pp. 2332–2338.*
- Ali H. Mutaib, Amjed AL-Khateeb, Mohammed K. Khashan, Furkan Kamil,Computational study of flow characteristics over high lift airfoil at various angles of attack, *Journal of Mechanical Engineering Research & Developments (JMERRD), 42(1) (2019) pp 94-99, ISSN: 1024-1752.*

Research Interests

Silicon solar cells, Polymer solar cell, Dye solar cell, Nanotechnology, Medical Laser application, Materials science, corrosion, optical fiber,Detectors,Optics,Renawble energy.

Academic Experience and certification

-(from 2017 to present) Instructor in charge, Department of Laser and electro optics Engineering,
 -(from 2016 to 2017), Faculty member in Department of Aeronautical Engineering- Technical College- Najaf
 - Participating in several scientific and academic training and workshops at Al Furat Al Awsat Technical University m namely;
 Nano Technologies, Science at the edges, concepts of inventing, writing of academic articles, Engineering programming software's packages.

Certificates:

- 1- Certificate of Modern teaching techniques & methods.
 - 2- Certificate of excellent teaching skills.
- (2017- 2019) member of the examinations committee, Engineering Technical College- Najaf. – 2015
 - Current, member of the Forum of Iraqi Inventors. – 2015
 - Current, member in the Iraqi Engineers Union.

Teaching Experience

-Instructor in charge in Department of Laser and electro optics, Aeronautical / Engineering- Engineering Technical College- Najaf from 2016 to present. The teaching experience includes engineering courses such as: Electrical circuits, University physics, Laser principle, optical communication, Optics, Laser application.
 - Supervisor for several students' BS.Graduation projects.

Awards and Honors

- Gold medal award from the Iraqi Forum of inventors, Najaf 2018
- Award of Outstanding & Creativity from the First International Conference of Creativity, the University of Babylon.2018
- Shield of outstanding research performance from the University of Babylon. 2018
- Silver medal award in the conference of Iraqi inventors, University of Sulaimani 2017
- First place award in pure sciences, Sovereign Festival Baghdad 2013
- Granted many appreciation letters for outstanding academic and administration performance at the Engineering Technical College- Najaf.

Language Skills

Arabic: Native Language

Persian: Fluent

English: very good

Hobbies

Enjoying Time with Friends

Music: Classic music

Sports: Swimming, handball ,Basketball, Ballet

Reading: Human Development Science books, Classical Novels, Iraqi Folk Poetry.

Traveling

References

- Prof.Kadhim Abd Hubeatir,University of Technology, Head of Laser Engineering Branch, Kadhim Hubeatir dr.kadhim58@gmail.com.
- Prof. Ahmed A. Al-Amiery,University of Technology,Head of the Center for Renewable Energy, Ahmed Al-Amiery dr.ahmed1975@gmail.com.
- Prof. Assit,Assaad Awad Abbass Al-Sahlan,Al Furat Al Awsat Technical University, Head of Aeronautical Engineering department, alsahlan@msu.edu.
- Prof. Assit, Dhafer Manea H. Al-Shamkhee, Al Furat Al Awsat Technical University, Head of Mechanical Engineering department, coj.dfr@atu.edu.iq.