

## □ سيرة ذاتية



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العنوان البريدي: الجادرية، مكتب بريد جامعة بغداد، ٤٧٢٠٧

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### □ التحصيل العلمي:

□ ٢٠١١ – ٢٠١٥ دكتوراه علوم فيزياء / ليزر وكهرو بصريات / قسم الفيزياء / كلية العلوم / جامعة بغداد.

□ ٢٠٠٤ – ٢٠٠٦ ماجستير علوم فيزياء / قسم الفيزياء / كلية التربية ابن الهيثم للعلوم الصرفة / جامعة بغداد.

□ ١٩٩٥ – ٢٠٠٠ بكالوريوس علوم فيزياء / قسم الفيزياء / كلية التربية ابن الهيثم للعلوم الصرفة / جامعة بغداد.

### □ العمل:

□ تدريسي في قسم الفيزياء / كلية العلوم / جامعة بغداد منذ ٢٠٠٦ وحتى الآن.

### □ التدريسات:

2006 – 2008 computer lab. (Visual basic, numerical analytical, Matlab and Microsoft office) 1<sup>st</sup> and 2<sup>nd</sup> stages.

2008 – to present Virtual lab. (2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> stages).

2010 – 2011 Molecules, 3<sup>rd</sup> stage, (Tutorial).

2015 - 2016 Elective Subject, 4<sup>th</sup> stage, (Renewable Energy).

2016 – 2017 Quantum Mechanics, 4<sup>th</sup> stage, (Tutorial).

2017 – 2018 Elective Subject, 4<sup>th</sup> stage, (Photonics).

### □ البحوث والمكتب المنشورة:

- 1- Spray – casting CuInSe<sub>2</sub> nanoink onto Au and Mo coated substrates to fabricate photovoltaics, IJISSET - International Journal of Innovative Science, Engineering & Technology, Vol. 2 Issue 6, 2015
- 2- Preparation CuInSe<sub>2</sub> (CIS) by arrested precipitation method as a light absorption layer of photovoltaic solar cells, NSNTAIJ, 9(4) 2015.

- 3- Synthesized Cu (In, Ga) Se<sub>2</sub> (CIGS) thin films and implementation as the active light absorbing material in photovoltaic devices (PVs), Engineering and Technology Journal, Vol: 33 Issue: 9 Part (B) Scientific Pages: 1753-1760. 2015.
- 4- CuInSe<sub>2</sub> (CIS) as A light Absorption Layer of Photovoltaic Solar-Cells, American Journal of Nanotechnology, 7 (1): 13.19, 2016. [DOI: 10.3844/ajnspp.2016.13.19](https://doi.org/10.3844/ajnspp.2016.13.19)
- 5- CuInSe Nanoink Photovoltaic Device, Lambert Academic Publishing, 2016.
- 6- Copper – Based Nanoink Photovoltaic Device, Lambert Academic Publishing, 2017.
- 7- Chemical bath deposition of single crystal SnS nanobelts on glass substrates, Materials Research Bulletin, Vol. 104, pp, 244-249, 2018. [doi.org/10.1016/j.materresbull.2018.03.039](https://doi.org/10.1016/j.materresbull.2018.03.039)
- 8- Silicon Dioxide Nanostructures-Coated External Cavity for Gain Enhancement of Rhodamine B Lasing Dye, Iraqi Journal of Applied Physics, Vol.14, Issue 1, pp. 3-10, 2018.
- 9- Synthesis and annealing process of ultra-large SnS nanosheets for FTO/SnS/CdS/Pt photocathode, Materials Science in Semiconductor Processing, Vol. 93, pp. 208 – 214, 2019. [doi.org/10.1016/j.mssp.2019.01.008](https://doi.org/10.1016/j.mssp.2019.01.008)
- 10- Cu (In, Ga) Se<sub>2</sub> an absorber layer of photovoltaic devices, Journal of Physics: Conference Series, Vol. 1279, Issue 1, pp. 012062, IOP Publishing., 2019 [doi.org/10.1088/1742-6596/1279/1/012062](https://doi.org/10.1088/1742-6596/1279/1/012062)
- 11- Determination of the Fertility of Southern Iraqi Soil Using Laser-Induced Breakdown Spectroscopy System, Journal of Physics: Conference Series, Vol. 1279, Issue 1, pp. 012062, IOP Publishing. 2019. [doi.org/10.1088/1742-6596/1279/1/012060](https://doi.org/10.1088/1742-6596/1279/1/012060)

#### المؤتمرات:

- 1- The 3<sup>rd</sup> Turkish Solar Energy Conference, (Solar TR-3) 27-29 April, 2015, Ankara, TURKEY.
- 2- The 5<sup>th</sup> International scientific Conference on Nanotechnology & Advanced Materials and their Applications (ICNAMA 2015) 3-4 Nov, 2015, at: Baghdad, IRAQ.
- 3- The 6<sup>th</sup> International Scientific Conference for Nanotechnology and Advanced Materials and their Applications (ICNAMA 2018) 2-3 may, at: University of Technology, Baghdad, IRAQ. ICNAMA 2018.
- 4- The 4<sup>th</sup> conference for low dimensional materials and its applications, (CLDMA 2018) 5-6 Dec. 2018, Baghdad, IRAQ.
- 5- 1<sup>st</sup> International Scientific Conference Al-Ayen University, (ISCAU 2019) 30-31 March 2019, Nasiriya, IRAQ.

**Google Scholar:** <https://scholar.google.com/citations?hl=en&user=YLJCzr4AAAAJ>

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