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كلية المـــأمون الجـــامعة
العـــراق / بغـــداد / شـــارع ١٤ رمضان
هـــاتف: ٠٧٨١٠٣٩٤٤٤١



- **الاســـم : زينةَ عبدُالأمير باقر الشديدي**
- **اللقـــب العلمي : استاذ**
- **البـــريد الالكتروني: zena.A.baqir@almamon uc.edu.iq**
- **مكـان العمل : كلية المأمون الجامعة**
- **القسم : تقنيات الأشعة**

التعليـــــــم /المؤهـــلات الدراسية	1- شهادة بكالوريوس علوم / فيزياء – من قسم الفيزياء – كلية العلوم – جامعة بغداد 1991 2- شهادة ماجستير علوم / فيزياء في اختصاص الفيزياء (الاغشيه الرقيقة) من قسم الفيزياء – كلية العلوم – جامعة بغداد1991 . – عنوان الأطروحة : (دراسة ميكانيكية الانتقال في الأغشيه الرقيقة ل .)CdTe (ملخص فحواها دراسة لميكانيكية الانتقال الالكتروني في الاعشية الرقيقة الكاديوم تيلورايد(3- شهادة دكتوراه فلسفة في الفيزياء في (اختصاص الحالة الصلبة (تحولات الطور)) من قسم الفيزياء – كلية العلوم – جامعة بغداد2005 عنوان الأطروحة : (دراسة نظريه لتحولات الطور استونايت – مارتنسايت لسبائك المواد الذكية) .)ملخص فحواها دراسة نظرية لبعض السبائك المستخدمة في صناعة الملاقط و المشارط و النواظير الطبية و مدى ملائمتها للاستخدام الطبي على الرغم من انها سبيكة مكونة من عنصرين احدهما شديد السمية
الخبـــــــرة المهنيـــــة	1- معيد في كلية الصيدلة / جامعة بغداد 1991-1992 2- مدرس مساعد في قسم الفيزياء –كلية العلوم – جامعة بغداد -1995-2006 3- مدرس في قسم الفيزياء –كلية العلوم – جامعة بغداد 2006-2008 4- مدرس في قسم الفيزياء – كلية التربية – ردفان – جامعة عدن – 2008-2014 5- رئيس قسم الرياضيات / فيزياء في كلية التربيه ردفان – جامعة عدن 2008-2014 6- استاذ مساعد قسم الفيزياء في كلية التربية عدن منذ 2014-2020 7- استاذ في قسم الفيزياء كلية التربية عدن/ اليمن2020-2022. 8- استاذ في قسم الأجهزة الطبية جامعة التراث ايلول 2022-يناير2023. 9- استاذ في قسم الاشعة و السونار كلية المأمون الجامعة يناير2023- لحد الان 10- رئيس قسم الاشعة و السونار كلية المأمون الجامعة مارس2023- لحد الان 11- عضو الجمعية العراقية للفيزياء والرياضيات منذ عام 1991 12- عضو تحرير مجلة العلوم الحديثة و التراثية JMSH) (منذ 2013 ,السويد. 13- عضو تحرير مجلة International Journal of Materials Science and applications Science Publishing Group, USA 2015-2021ضمن مجموعة 14- عضو تحرير مجلة Advances in Materialsضمن مجموعة Science Publishing Group, USA 2020- yet

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هـــاتف :٠٧٨١٠٣٩٤٤٤١

البحـــــوث/الكتـــــب

A- Books

1- Al-Shadidi, Z. (2011). *Practical physics*. Aden: Press of Aden University.

2- Al-Shadidi, Z. *Practical physics*, part 2. Aden: Press of Aden University.

3- Al-Shadidi, Z. (2017). *Advanced practical physics*. Germany: Noor Academic publishing, Omni Scriptum GmbH& Co.KG.

4- Al-Shadidi, Z. (2015). *Theoretical investigation in shape memory alloy*. USA, UK, & Germany: Lambert Academic Publishing

B- Papers

1- *Al Shadidi, Z.,& Makadsi, M., Study of alternating conductivity (ac conductivity) in thin films of CdTe. Publications of the First Scientific Conference, College of Science, University of Baghdad / Baghdad 1999*

2- *Al Shadidi, Z., & Makadsi, M., New Method For Evaluating Gibbs Free Energy In shape memory Alloys, Iraqi Journal of Science / University of Baghdad Issue (2) Volume (51) , 2010.*

3- *Al Shadidi, Z., Theoretical study for Electrical Power station construction by the use of wave energy, , journal of materials and chemical engineering (JMCE), vol.2 Iss 3,pp.85-79, Jul 2014.*

4- *Al Shadidi, Z., Carrier Transport mechanism in InSb/GaAs heterojunction, univ. Aden J. Nat. and appl. Sc. Vol.17 No.2-August 2013.*

5- *Al Shadidi, Z., The effect of atomic percentage selenium content on the permetivity and polarizability for Ge_xSe_{1-x} thin films, journal of materials and chemical engineering (JMCE), vol.2 Iss 2,pp.56-62, April 2014.*

6- *Al-Shadidi, Z. (2014). Basics of renewable energy and employment prospects, Journal of Modern Science and Heritage, Sweden, 3(2),397- 414.*

7- *Al-Shadidi, Z. (2015). Environmental Factors and Phase Changes Effects on Materials Erosion Energy. The 3rd scientific conference for the Environment, Baghdad, Iraq*

8- *Al-Shadidi, Z. (2016). Heat transport mechanism in Soil. The 4th scientific conference for the Environment, Cairo, Egypt.*

9- *Al Shadidi, Z., Theoretical Comparison between Alumina & fiberglass in saving heat portability, JCST, world academic publishing, Hong Kong, Issu1, Vol.6, P.P. 10-17, 2017.*

10- *Al Shadidi, Z., Al gebori, Assessment of health and environmental risks of nanomaterial, publications of the fifth Scientific Conference of Genetic and Environment ،Baghdad, Iraq, 2018.*

11- *Al Shadidi, Z., The Effect of Environmental Factors (Temperatures & Humidity) on the Solar Cell Performance / Matlab Model, International Journal of Applied Mathematics and Theoretical Physics, 2020; 6(4): 61-67*

12- *Al Shadidi, Z., Mirfat Al Shaddadi, THE BIOLOGICAL EFFECTS OF RADIO WAVES ON HUMAN BODY TISSUES, Journal of Genetic and Environmental Resources Conservation, 2021, 9(1):183-189. www.gercj.com Print ISSN: 2306-8663, Online ISSN: 2306 – 8280*

13- *Garhoom, W. A. & Al Shadidi, Z. (2021). Enhancing SI solar cells efficiency by adding SIO2/TIO2 thin films using transfer matrix method, East European Journal of Physics, 4, 164-171*

14- *Al Shaddadi , & M. Al Shadidi, Z. (2022). SAR simulation on human head model exposed to mobile phone radiation by finite difference time domain method, in press.*

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15- *Hamood, R., Jamal, S., Al Shadidi, Z. A. (2022). Mechanical characterization of armchair and zigzag single-walled carbon nanotube, African Scientific Reports,1,23-31.*

16- *Hiadrah, S.S.[1] & Al Shadidi, Z.. Numerical investigation in nitinol lattice stability safe usage in replacing hard tissues.*

17- *Al Shadidi, Z., Hiadrah S.S., Enhancing NiTi spring properties Using Lagudus model, Iraqi Journal of Science, 2023, Vol. 64, No. 6, pp: 2843-2851 DOI: 10.24996/ijs.2023.64.6.15.*

18- *Al Shadidi, Studying multilayer a-SI solar cells with SiO2/TiO2 thin film layers properties using MATLAB , 2023, Journal of Modern and Heritage Science , V 2 P.84 – 78 .*

19- *Al Shadidi, Influence of NiTi Spring Dimensions and Temperature on the Actuator Properties ,2023, Iraqi Journal of Physics , Vol. 21 No. 3, PP. 64-76 .*

20- **Rana Hamood** (1) **Zina A. Al Shadidi** (2,*) **Samia Jamal** , Electronic properties of armchair & zigzag single-walled carbon nanotubes, Journal of Science and Technology, Volume 29, Issue (1), 2024 P.P. 37-44

روابط الـــــمواقع البحثية العالمية

https:// www.webofscience.com/wos/author/record/AFQ-7090-2022	*Publons*
https:// scholar.google.com/citations?user=77fPlO0AAAAJ	*Google Scholar*
https://www.researchgate.net/profile/Zina-Al-Shadidi	*Research Gate*
https://orcid.org/ 0000-0002-2633-9446	*ORCID*
https:// www.scopus.com/authid/detail.uri?authorId=57558889400	*Scopus*

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اللـــــــــــــغات	العربية الانجليزية
المهـــــــــــارات	1- مهارات لغات البرمجة بلغات (COMSOL Multi physics, python،MATLAB) 2- مهارات تواصل جيدة. 3- مهارات الإدارة. 4- اتخاذ القرار. 5- قادر على العمل بمبادرتي أو كجزء من فريق. 6- الاستماع الفعال. 7- القدرة على التكيف. 8- مهارات حل المشكلات

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- **Name: Zina Abdulameer Al Shadidi**
- **Academic Title: Professor**
- **Email: zena.a.baqir@almamounic.edu.iq**
- **Nationality: Iraqi**
- **Work location: Al Ma'moun University College/ Baghdad/ Iraq**



Educational Qualifications	**Ph.D. In Solid State Physics**
Experiences	**1- Teaching Assistant at the College of Pharmacy / University of Baghdad 1991-1992** **2- Assistant Lecturer at the Department of Physics - College of Science - University of Baghdad - 1995-2006** **3- Lecturer at the Department of Physics - College of Science - University of Baghdad 2006-2008** **4- Lecturer at the Department of Physics - College of Education - Radfan - University of Aden - 2008-2014** **5- Head of the Department of Mathematics / Physics at the College of Education Radfan - University of Aden 2008-2014** **6- Assistant Professor of the Department of Physics at the College of Education Aden since 2014-2020** **7- Professor at the Department of Physics, College of Education Aden / Yemen . 2022-2020** **8- Professor at the Department of Medical Devices, Al-Turath University September - 2022 January . 2023** **9- Professor at the Department of Radiology and Ultrasound, Al-Mamoun University College January - 2023 until now** **10- Head of the Department of Radiology and Ultrasound, Al-Mamoun College University March -2023 until now**

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	11- Member of the Iraqi Society for Physics and Mathematics since 1991 **12- Editorial member of the Journal of Modern and Heritage Sciences (JMSH) since 2013, Sweden.** **13- Editorial member of the journal Science and applications International Journal of Materials within the Science Publishing Group, USA 2015-2021** **14- Editorial member of the journal Advances in Materials within the Science Publishing Group, USA 2020- yet**
Research/Books	**A- Books** 1- Al-Shadidi, Z. (2011). *Practical physics*. Aden: Press of Aden University. 2- Al-Shadidi, Z. *Practical physics*, part 2. Aden: Press of Aden University. 3- Al-Shadidi, Z. (2017). *Advanced practical physics*. Germany: Noor Academic publishing, Omni Scriptum GmbH& Co.KG. 4- Al-Shadidi, Z. (2015). *Theoretical investigation in shape memory alloy*. USA, UK, & Germany: Lambert Academic Publishing **B- Papers** *21- Al Shadidi, Z.,& Makadsi, M., Study of alternating conductivity (ac conductivity) in thin films of CdTe. Publications of the First Scientific Conference, College of Science, University of Baghdad / Baghdad 1999* *22- Al Shadidi, Z., & Makadsi, M., New Method For Evaluating Gibbs Free Energy In shape memory Alloys, Iraqi Journal of Science / University of Baghdad Issue (2) Volume (51) , 2010.* *23- Al Shadidi, Z., Theoretical study for Electrical Power station construction by the use of wave energy, , journal of materials and chemical engineering (JMCE), vol.2 Iss 3,pp.85-79, Jul 2014.*

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36- Hiadrah, S.S.[1] & Al Shadidi, Z.. Numerical investigation in nitinol lattice stability safe usage in replacing hard tissues.

37- Al Shadidi, Z., Hiadrah S.S., Enhancing NiTi spring properties Using Lagudus model, Iraqi Journal of Science, 2023, Vol. 64, No. 6, pp: 2843-2851 DOI: 10.24996/ijs.2023.64.6.15.

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هـــاتف: ٠٧٨١٠٣٩٤٤٤١

International Research Websites	https:// www.webofscience.com/wos/author/record/AFQ-7090-2022 — *Publons* https:// scholar.google.com/citations?user=77fPlO0AAAAJ — *Google Scholar* https://www.researchgate.net/profile/Zina-Al-Shadidi — *Research Gate* https://orcid.org/ 0000-0002-2633-9446 — *ORCID* https:// www.scopus.com/authid/detail.uri?authorId=57558889400 — *Scopus*
Languages	**Arabic & English**
Personal Skills	**1- Programming language skills in (MATLAB, python COMSOL Multi physics,)** **2- Good communication skills.** **3- Management skills.** **4- Decision-making.** **5- Able to work on my initiative or as part of a team.** **6- Active listening.** **7- Adaptability.** **8- Problem-solving skills**

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