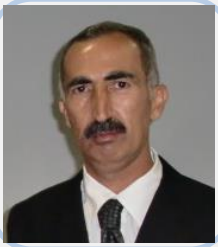

جامعة الكرخ للعلوم
كلية العلوم
السيرة الذاتية العلمية

المعلومات الشخصية

الإسم الثلاثي واللقب	د. نهاد خلف علي العبيدي
المواليد	1963/12/30
الحالة الاجتماعية	متزوج
عدد الأبناء	واحد
التخصص العام	فيزياء الحالة الصلبة
التخصص الدقيق	الاغشية الرقيقة ومواد النانو
البريد الإلكتروني	nihad@kus.edu.iq

الشهادات

الشهادة الحاصل عليها	الجامعة المانحة للشهادة	القسم / الكلية	سنة الحصول على الشهادة
الدكتوراه	جامعة العلوم الماليزية/ ماليزيا	كلية الفيزياء	2009
الماجستير	جامعة العلوم الماليزية/ ماليزيا	كلية الفيزياء	2004
البكلوريوس	الجامعة المستنصرية	كلية العلوم/قسم الفيزياء	1986

السلك الوظيفي

العنوان الوظيفي	المكان الوظيفي	سنة اشغال المكان الوظيفي
مدرس	جامعة الكرخ للعلوم	2016 - مستمر
مدرس	الجامعة التكنولوجية الماليزية/ماليزيا	2014-2010
باحث	جامعة العلوم الماليزية/ماليزيا	2010-2009
مدرس	هيئة التعليم المهني/ليبيا	2002-1997

المشروعات البحثية التخصصية لخدمة البيئة والمجتمع أو تطوير التعليم

اسم البحث	كلمات مفتاحية عن البحث	تاريخ النشر

المهام التدريسية

اسم المادة	التخصص العام	المرحلة الدراسية	العام الدراسي
Electronic Devices	الهندسة الالكترونية	الثانية	2014 - 2010
Microelectronic I	الهندسة الالكترونية	الثانية	2014 - 2010
Industrial Electronics	الهندسة الالكترونية	الثالثة	2014 - 2010
الفيزياء	علوم الحاسبات	الثالثة	2002 - 1997
الفيزياء	علوم الحاسبات	الثانية	2002 -1997
الفيزياء	علوم الحاسبات	الاولى	2002 - 1997

النشاطات والمهام العلمية

A. Post graduate co-supervision

1. Mohammed Jasim Jawad (PhD).
2. Mastura Shafinaz Zainal Abidin (PhD, graduated).
3. Shaharin Fadzli Abd Rahman (PhD, graduated).
4. Sazan M. Haidary (PhD, graduated).
5. Tengku Sarah Aumran (MSc, graduated).
6. Nurul Izni Rusli (MSEn., graduated).

B. Under graduate supervision
More than 20 students (Final year project).

C. Research grants (project leader)

1- Title: Synthesis of Germanium Quantum Dots using Liquid GeCl4 as a Precursor.
Vote No:.....(FRGS)
Amount: RM 60,000.00
Duration: Dec 2013- Dec 2015
Project Leader: Dr. Nihad K. Ali Al-Obaidi

2- Title:Porous Silicon Electrical Sensor for DNA Hybridization Detection.
Vote No: 03H82-UTM
Amount: RM 88,000.00
Duration: Dec 2012- Dec 2014 (2Years)
Project Leader: Dr. Nihad K. Ali Al-Obaidi

3- Title: Porous Silicon Microparticles as Drug Delivery Device for Cancer Treatment.
Vote No: 02H83-UTM

Amount: RM 70,000.00
Duration: June 2012- May 2014 (2 Years)
Project Leader: Dr. Nihad K. Ali Al-Obaidi

4- Title :Synthesis of Nanostructured ZnO Thin Films and Nanowires for Gas Sensing
Vote No: 01H04-UTM
Amount: RM 130,000.00,
Duration: April 2011- March 2012 (2 Years),
Project Leader: Dr Nihad K.Ali Al-Obaidi

5- Title: Study of Passivation Effects on the Hydrogen Adsorption Performance of the AlGaN-based Schottky Diode for Sensing Application.
Vote No: 77546-UTM Short Term Grant,
Amount: RM 20,000.00,
Duration: August 2010- July 2011 (1 Years),
Project Leader: Dr Nihad K.Ali Al-Obaidi

البحوث المنشورة

1. Sazan M. Haidary, Awaz B. Mohammed, Emma P. Córcoles, Nihad K. Ali, M.R. Ahmad, Effect of coatings and surface modification on porous silicon nanoparticles for delivery of the anticancer drug tamoxifen. Microelectronic Engineering 161 (2016) 1–6.
2. M. J. Jawad, M. R. Hashim, Nihad K. Ali, E. P. C´orcoles, and Vijay K. Arora, Photoluminescence of Ultraviolent Initiated Green Emission from Electrochemically Deposited

Germanium Films on (100) Silicon. *Journal of The Electrochemical Society*, 161 (14) D801-D805 (2014).

3. A.F. Abd Rahim, M.R. Hashim, N.K. Ali, A.M. Hashim, M. Rusop, M.H. Abdullah, The evolution of Si-capped Ge islands on Si (100) by RF magnetron sputtering and rapid thermal processing: The role of annealing times. Microelectronic Engineering 126 (2014) 134–142.
4. M. J. Jawad, M. R. Hashim, N. K. Ali, Synthesis of Ge nanostructures on Si substrate by a convenient electrochemical technique at room temperature for different durations. *Superlattices and Microstructures* 69 (2014) 129–135
5. Sazan M. Haidary, Emma P. Córcoles, and Nihad K. Ali, Folic Acid Delivery Device based on Porous Silicon Nanoparticles Synthesized by Electrochemical Etching, *Int. J. Electrochem. Sci*., 8 (2013) 9956 – 9966. (IF: 3,729) (ISSN: 1452-3981)
6. A.F. Abd Rahim, M.R. Hashim, N.K. Ali, M. Rusop, M.D. Johan Ooi, M.Z.M. Yusoff, Self-assembled Ge islands and nanocrystals by RF magnetron sputtering and rapid thermal processing: The role of annealing temperature, *Applied Surface Science*, 275 (2013) 193-200. (IF:2.103) (ISSN: 0169-4332)
7. Nurul Izni Rusli, Mastura Shafinaz Zainal Abidin, Budi Astuti, Nihad K. Ali & Abdul Manaf Hashim, Formation of Porous Silicon: Mechanism of Macropores Formation in n-Type Si, *Sains Malaysiana* 42(5)(2013) 643–648. (IF:0.408) (ISSN: 0126-6039)
8. Tengku Sarah Tengku Amran, Md Roslan Hashim, Nihad K Ali Al-Obaidi, Hanani Yazid and Rohana Adnan, Optical absorption and photoluminescence studies of gold nanoparticles deposited on porous silicon, *Nanoscale Research Letters*, 8 (2013) 35. (IF:2.73)
9. T. S. T. Amran, M. R. Hashim, N. K. Ali, H. Yazid and R. Adnan, The role of pulse time T_{off} on porous silicon as template for Au nanoparticles by using integrated electrochemical technique, *Physica B*, 407 (2012) 4540-4544. (IF: 1.063)
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11. Sazan M. Haidary, Emma P. C´ orcoles, and Nihad K. Ali, Nanoporous Silicon as Drug Delivery Systems for Cancer Therapies, *Journal of Nanomaterials*, 2012 (2012) 1-15. (IF: 1.67)
12. M. J. Jawad, M. R. Hashim, N. K. Ali, E. P. Corcoles, and Maneea E. Sharifabad, An Alternative Method to Grow Ge Thin Films on Si by Electrochemical Deposition for Photonic Applications, *Journal of The Electrochemical Society*, 159 (2) (2012) D124-D128. (IF: 2.42)
13. K. Al-Heuseen, M.R. Hashim, N.K. Ali, Effect of Different Electrolytes on Porous GaN Using Photo-electrochemical Etching, *Applied Surface Science*, 257 (2011) 6197-6201. (IF: 1.616)
14. K. Al-Heuseen, M.R. Hashim, N.K. Ali, Growth and Characterization of Tree-Like Crystalline Structures during Electrochemical Formation of Porous GaN, *Journal of The Electrochemical Society*, 158 (5) (2011) D240-D243. (IF: 2.341)
15. A.F. Abd Rahim, M.R. Hashim and N.K. Ali, High Sensitivity of Paladium on Porous Silicon MSM Photodetector, *Physica B* 406 (2011) 1034-1037. (IF: 1.056)
16. A.F. Abd Rahim, M.R. Hashim and N.K. Ali, Characterization of Ge Nanostructures Embedded Inside Porous Silicon for Photonics Application, *Sains Malaysiana* 40 (1) (2011) 5-8. (IF: 0.3)
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اللجان والتكليفات

اللجنة / التكليف	امر اللجنة / التكليف	الرقم الأمر	السنة
1- لجنة دراسة استحداث	35	35	2017

كلية العلوم الصناعية والتكنولوجية			

المؤتمرات والدورات العلمية

1. Mastura Shafinaz Zainal Abidin, Shahjahan, Abdul Manaf Hashim, Nihad K. Ali Al-Obaidi, Nafarizal Nayan, Mohamad Rusop Mahmood, Fabrication of Germanium by electrochemical process for memory application, IEEE Conference Publications, International Conference on Enabling Science and Nanotechnology 2012 (ESciNano 2012) 5-7 January 2012, Persada Johor International Convention Center, Johor Bahru, MALAYSIA.
2. Nurul Izni Rusli, Hind Abdulgafour, Zainuriah Hassan, Fong Kwong Yam, Nihad K. Ali, Abdul Manaf Hashim, Mohamad Rusop Mahmood and Nafarizal Nayan, ZnO Nanostructures Grown on Porous Silicon Substrate without Catalyst, IEEE Conference Publications (ESciNano 2012) 5-7 January 2012, Persada Johor International Convention Center, Johor Bahru, MALAYSIA.
3. Nurul Izni Rusli, Mastura Shafinaz Zainal Abidin, Budi Astuti, Nihad K. Ali and Abdul Manaf Hashim, Effects of Etching Time on the Morphology of Porous Silicon Structure Formed by Potential-assisted Electrochemical Etching, IEEE Conference Publications (ESciNano 2012) 5-7 January 2012, Persada Johor International Convention Center, Johor Bahru, MALAYSIA.
4. T.S.T.Amran, M.R.Hashim, N.K.Ali, H.Yazid and R.Adnan, The role of pulse time T_{off} on porous silicon as template for Au nanoparticles by using integrated electrochemical technique, IEEE Conference Publications (ESciNano 2012) 5-7 January 2012, Persada Johor International Convention Center, Johor Bahru, MALAYSIA.

5. A F Abd Rahim, M R Hashim, N K Ali, Thermally treated Ge crystallites embedded inside PS with Si capping layer for Potential Photonics Application, American Institute of Physics Conf. Series, Vol. 1341, 2011. In press. (ISI Listed)
6. M. J. Jawad, M. R. Hashim, and N. K. Ali, Hydrogen Sensor Based on Pd/GeO2 Using a Low Cost Electrochemical Deposition, American Institute of Physics Conf. Series, Vol. 1341, 2011. In press. (ISI Listed)
7. T. S. Amran, M. R. Hashim, and N. K. Ali, Silver Nanoclusters Formation by using Thermal Annealing on Porous GaAs, , American Institute of Physics Conf. Series, Vol. 1341, 2011. In press. (ISI Listed)
8. K. Al-Heuseen, M. R. Hashim, and N. K. Ali, Electrical Properties of Electrolyte-GaN Junction during Photoelectrical Etching Processing, American Institute of Physics Conf. Series, Vol. 1341, 2011. In press. (ISI Listed)
9. K Al Heuseen, M R Hashim, and N K Ali, Themal Effects on Photoelectric Properties of Ni Contact to n-GaN and p-GaN, AIP Conf Proc. Vol.1250, pp.77-80 (2010).
10. M J Jawad, M R Hashim, and N K Ali, Improvement of Al Metal Contact on Porous Silicon, AIP Conf. Proc. Vol.1250, pp.73-76 (2010).
11. A F Abd Rahim, M R Hashim and N K Ali, Characterization of Ge Nanocrystal Embedded Inside Porous Silicon for Photonics Application, AIP Conf. Proc. Vol.1250, pp. (2010).
12. N K Ali, M R Hashim, A Abdul Aziz. Synthesis of GaAs Oxides Grown During Electrochemical Formation of Porous GaAs in HF Based Solution. National Physics Conference (2007) Kuala Terengganu, Malaysia (PERFIK2007). Published in AIP Conference Proc. 1017, p. 94-98.
13. Khalid M Omar, N K Ali, Z Hassan, M R Hashim and H Abu Hassan. The methodology effects on surface morphology pattern of porous semiconductors. National Physics Conference (2007) Kuala Terengganu, Malaysia (PERFIK2007). Published in AIP Conference Proc. 1017, p. 129-133.
14. N K Ali, M R Hashim, A Abdul Aziz Highly Enhanced Photoluminescence of as-Anodized N-type Porous GaAs. International Conference on Advancement of Materials and Nanotechnology 2007 (ICAMN 2007).
15. N K Ali, Khalid M Omar, Z Hassan, M R Hashim, H Abu Hassan and N M Ahmed. Surface Morphology of Porous Si, Prepared by Laser-Induced Etching. International Conference on Advancement of Materials and Nano-technology 2007 (ICAMN 2007).
16. N K Ali, M R Hashim, A Abdul Aziz. Study of Porous Silicon Fabricated by Pulsed Anodic Etching of n-Si(100). ICSE2006 Proc. 2006, Kuala Lumpur, Malaysia.

براءات الاختراع

الموضوع / الفكرة	الادعاء	طلب تسجيل الاختراع	العدد - التاريخ

تقييم براءات الاختراع

الموضوع / الفكرة	الادعاء	طلب تسجيل الاختراع	التاريخ

تقييم البحوث

عنوان البحث	المجلة	العدد	التاريخ

كتب الشكر والتقدير

الجهة المانحة	حسب الكتاب	العدد	التاريخ

التعهد الألكتروني

اني عضو الهيئة التدريسية (د. نهاد خلف علي) أتعهد بصحة المعلومات المدرجة اعلاه واتحمل كافة التبعات القانونية في حالة مخالفة المعلومات التي ستدرج في الموقع الألكتروني الخاص بجامعتنا.

☐ **نعم ، اوافق على التعهد اعلاه**

🟥 **كلا ، لا اوافق على التعهد اعلاه**

مصادقة السيد رئيس الجامعة

ملاحظة : في حالة الموافقة على التعهد الالكتروني اعلاه ، يرجى اختيار اللون الابيض في الخانة المرافقة ادنى التعهد " كلا ، لا اوافق على التعهد اعلاه" والعكس صحيح.