

السيرة الذاتية Curriculum Vitae

PERSONAL DATA معلومات شخصية

Academic Affiliation	Professor أستاذ	الدرجة العلمية
Current University	Basrah University جامعة البصرة	الجامعة الحالية
Current Faculty	Faculty of Education كلية التربية للعلوم الصرفة	الكلية الحالية

Name: **Falih Hussain Khudair**
First Middle Last
الأسم: **فالح حسين خضير الخضير**
تاريخ الميلاد: **1968/3/1**
البلد والمحافظة: **العراق / البصرة**
الجنسية: **عراقية**
Date of Birth: **1/3/1968**
Place of Birth: **IRAQ/Basra**
Nationality: **IRAQI**

Current Department	Physics Department قسم الفيزياء	القسم الحالي
General Specialization	Physics الفيزياء	الإختصاص العام
Fine Specialization	Nuclear Physics الفيزياء النووية	الإختصاص الدقيق

Corresponding Address عنوان المراسلة

د. فالح حسين خضير Dr Falih H. Al-Khudair

حي الجهاد

البصرة العراق Basra – Iraq

الهاتف: 00964-07801140310
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الموقع الالكتروني: Web site

Work Address عنوان العمل

د. فالح حسين خضير Dr Falih H. Al-Khudair

قسم الفيزياء; Department of Physics
كلية التربية for pure science Faculty of Education
للعلوم الصرفة

البصرة – العراق Basra – Iraq

Marital Status: **Married**
Nationality of Spouse: **Iraqi**
Number of Children:

الحالة الزوجية: **متزوج**
جنسية الزوجة: **عراقية**
عدد الأطفال:

ACADEMIC QUALIFICATIONS المؤهلات الأكاديمية

First University Degree الشهادة الجامعية الأولى

Name of Degree: **B.Sc.**
Date awarded: **1992**
College (or Faculty): **Education for Pure Science**

الشهادة: **بكالوريوس**
تاريخ منح الشهادة: **1992**

University: **University of Basrah**
Specialization: **General Physics**

الكلية: **التربية للعلوم الصرفة**
الجامعة: **جامعة البصرة**
التخصص: **فيزياء عامة**

Second University Degree الشهادة الجامعية الثانية

(**Master Of Education**) (**ماجستير**)

Name of Degree: **M.Sc.**
Date awarded: **1996**
College (or Faculty): **Education for Pure Science**

الشهادة: **ماجستير**
تاريخ منح الشهادة: **1996**

University: **University of Basrah;**
Specialization: **Nuclear Physics**

الكلية: **التربية للعلوم الصرفة**
التخصص: **الفيزياء النووية**

Thesis title: **M1 transition and nuclear proprieties of O(6) nuclei Using Boson Model**
عنوان أطروحة الماجستير: **الانتقالات ثنائية القطب المغناطيسية والخواص النووية لاثوية التحديد O(6) باستخدام انموذج البوزونات**

Third University Degree الشهادة الجامعية الثالثة

(**Doctorate**) (**دكتوراه**)

Name of Degree: **Ph.D**
Date awarded: **2005**
College (or Faculty): **Department of Physics**
University: **University of Tsinghua**
Specialization: **Nuclear physics**

الشهادة: **دكتوراه**
تاريخ منح الشهادة: **2005**
الكلية والقسم: **الفيزياء**
تشنخوا الصين
التخصص: **الفيزياء النووية**

Thesis title: **Isospin and symmetry structure in light and medium nuclei**

عنوان الأطروحة: **تركيب التناظر والبرم النظيري في الاثوية الخفيفة والمتوسطة**

Other Certificates obtained or advanced courses attended: شهادات اخرى

Certificate الشهادة	University المعهد	Place البلد	Date السنة
Postdoctoral	Tsinghua	China	2008

UNIVERSITY TEACHING التدريس الجامعي

Courses taught at undergraduate level المقررات التي تم تدريسها في مرحلة البكالوريوس

No.	Course Name	Place	Date
1	Nuclear Physics	Basrah university	2008- 2013
2	Atomic Physics	Basrah university	1998-2000
3	Complex functions	Basrah university	2005- 2006
4	Mathematical	Basrah university	2015-2018
5	Experimental Physics	Basrah university	1996-

Courses taught at graduate level المقررات التي تم تدريسها في الدراسات العليا

Institution	Course Title	Language of Instruction
Basrah university	Nuclear physics	English
Basrah university	Special course	English
Basrah university	Nuclear Structure	English

Prize Award الجوائز الحاصل عليها

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International Scientific Journals Referee محكم في المجلات العلمية العالمية والمحلية

1. Most of the Iraqi Journals
2. India journal of physics

EMPLOYMENT HISTORY التاريخ الوظيفي

Institution (place of work) مكان العمل	Period From To		Job Title (Academic rank) الدرجة العلمية	Nature of Work* طبيعة العمل	Type of Work نوع العمل
Department of Physics-College of Education- University of Basrah جامعة البصرة-كلية التربية-قسم الفيزياء	1996	1998	Assistant Lecturer مدرس مساعد	Teaching تدريس	Full time رئيسي
Department of Physics-College of Education- University of Basrah جامعة البصرة-كلية التربية-قسم الفيزياء	1998	2003	Lecturer مدرس	Teaching تدريس	Full time رئيسي
Department of Physics-College of Education- University of Basrah جامعة البصرة-كلية التربية-قسم الفيزياء	2003	2006	Assistant Professor أستاذ مساعد	Teaching تدريس	Full time رئيسي
Department of Physics-Tsinghua university جامعة تشنخوا - قسم الفيزياء	2006	2008	Assistant Professor أستاذ مساعد	Researcher باحث	Full time رئيسي
Department of Physics-College of Education for Pure Science - University of Basrah جامعة البصرة-كلية التربية للعلوم الصرفة-قسم الفيزياء	2008	----	Professor أستاذ	Teaching تدريس	Full time رئيسي

A. list of the research articles that have been published in referred journals

- 46 Symmetry and mixed-symmetry states in the transitional nuclei
neodymium A = 144-154
Indian J Physics 95 02159-1 2021**
- 45 Positive-parity states and electromagnetic transitions of odd-A Pr and
Ce isotopes International J of Modern Physics E 29, 5, 2050027 (2020)**
- 44 Nuclear shape phase transition in even-even 158–168Hf isotopes
Nuclear Physics A 1002 , 121962(2020)**
- 43 Structure of the low-lying positive and negative parity states in
even–even 144–154Nd isotopes
International J of Modern Physics E 28, N o . 12 (2019)**
- 42- Investigation of isosp in excited and mixed-symmetry states in
even–eve n N = Z nuclei
International J of Modern Physics E, Vo l . 27, N o . 8 (2018) 1850065,**
- 41- The structure of positive parity states in 141-147La isotopes
J. Basrah Researches Vol 43 No 1A (2016) 138 Iraq**
- 40- Nuclear structure of the odd 177-183Ta isotopes
J. Basrah Researches Vol 42 No 1A (2016) 92 Iraq**
- 39- Nuclear structure of A=110 isobars in framework of Proton
Neutron Interacting Boson Model (IBM-2
J. Basrah Researches Vol 41 No 1A (2015) 67. Iraq**
- 38- Search for mixed-symmetry state in even-even 130-138Ce within IBM-2
Turk. Journal of Physics 39 (2015) , 137 – 149. Turkey**
- 37-Level structure of the Ge, Se, and Kr (N = 52, 53) isotopes within the
framework of the interacting boson model.
Phys. Rev. C 91, (2015) 054304 . USA**
- 36- Shape Transition and Triaxial Interaction Effect in the Structure
of 152-166Dy Isotopes
Commun. Theor. Phys. 62 N6 (2014) 847. China**
- 35-Positive and negative parity state and electromagnetic transitions
of 154-160Gd Using IBM-1
J. Basrah Researches Vol 40 No 3B (2014)12. Iraq**
- 34-Using configuration mixing in the study of the structure
of 86-104 Zr in the framework of IBM-1
J. Basrah Researches Vol 40 No 3B (2014)47. Iraq**
- 33-Identification of mixed symmetry states in 180-186W isotopes.
Int.J of Phys and Reach I J P R Vol 4 No 5 (2014)1. India**

- 32-Nuclear structure of 186-194Pb nuclei**
J. Basrah Researches Vol 40 No 1B (2014)85. Iraq
- 31- Bands structure and electromagnetic transitions of O(6) nucleus 128Xe**
J. Basrah Researches Vol 40 No 1A (2014)49. Iraq
- 30-Nuclear structure of Ce-isotopes using IBM results.**
J.Basrah Researches Vol. 39 3 (2013) 85 Iraq
- 29- The $\delta(E2/M1)$ and $X(E0/E2)$ mixing ratios in ^{134}Ba by means of IBM-2**
Turk. Journal of Physics 36 (2012) , 368 – 376. Turkey
- 28- Nuclear structure of neutron rich 140-148Ba isotopes.**
Phys. Scr. 84 (2011) 035201. U.K
- 27- Mixed symmetry state and β decays of odd-A Xe to I isotope.**
Phys. Rev. C 80, (2009) 014306. USA
- 26 - Competition in rotation-alignment between high- j neutrons and protons in transfermium nuclei**
Phys. Rev. C 79 (2009) 034320 USA
- 25- Isospin and symmetry excitations in light nuclei 28-32Si.**
J. Basrah Researches Vol 37 No 5B (2011)31. Iraq
- 24- Symmetry and Mixed Symmetry States in ^{182}W and ^{181}Ta Nuclei**
Kufa's First Conference for Physics Sp Issue (2010) Iraq
- 23- Triaxial interaction effect in the structure of 174-180Os isotopes**
J. Basrah Researches Vol 38 No 2B (2012) 9.Iraq
- 22- Low-lying states and isospin excitation in the Ge-isotopes**
Chinese Physics C 33 7 (2009) 538. China
- 21-Mixed symmetry states and isospin excitation in the $N=Z$ nucleus ^{28}Si**
Chinese Physics C 33 supp I (2009) 46. China
- 20- γ -vibrational states in superheavy nuclei**
Phys. Rev. C 77 (2008) 044307 USA
- 19-Negative-parity states and β decays in odd Ho and Dy nuclei with $A = 151, 153$**
Phys. Rev. C 77 (2008) 034303 USA
- 18-Properties of the $0+2$ state and isospin excitation in the $N = Z$ nucleus ^{68}Se**
Phys. Rev. C 75 (2007) 054316 USA
- 17-Calculations of relativistic consistent angular momentum projected shell model for exotic nuclei**
Nuclear Physics Review Vol 123 , No. 4 (2006) 427 China
- 16- Structure of $2p$ to $1f$ light Germanium isotopes in the IBM-3 model**
J. Basrah Researches Vol 52 (2006) 167 Iraq
- 15-Isospin and symmetry structure in the $f 7/2$ shell 44-48 Ti isotopes**
J. Phys. G Nucl. Part Phys 30, 9 (2004)1089 U.K

- 14-Isospin and F-Spin Symmetry Structure in Low-Lying Levels of $^{48,50}\text{Cr}$ Isotopes Chinese Physics 13, 8(2004) 1230 China
- 13-Isospin and mixed symmetry excitations in $^{60-66}\text{Zn}$ Isotopes.
High Energy Phys and Nucl. Phys 28,4 (2004) 370 China
- 12-Triaxial interaction effect in the structure of $^{148-158}\text{Sm}$ isotopes.
Chinese Physics 13,11(2004) 1835 China
- 11-Symmetry and Mixed Symmetry Band Structures in Low-lying Levels of $^{76-84}\text{Kr}$. High Energy Phys and Nucl. Phys 28, 7 (2004) 71 China
- 10- Calculation of giant monopole resonance using relativistic mean field theory. High Energy Phys and Nucl Phys. 28, 12 (2004) 58. China
- 9- Detailed description of mixed symmetry state in ^{94}Mo using interacting boson model Commun. Theor. Phys 37,6 (2002) 699 . China
- 8- Mixed symmetry states in even-even $^{96-108}\text{Mo}$ nuclei
Commun. Theor. Phys. 37 3 (2002) 355 . China
- 7-Triaxiality and quadrupole interactions effect on the structure of $^{154-158}\text{Gd}$ isotopes using interacting boson model.
J.Basrah Researches Vol. 24 part 3 (2000) 79 Iraq
- 6- Study of energy spectra and electric quadrupole transition of ^{154}Dy isotope
J.Basrah Researches Vol. 28 part 3 (2000)200 Iraq
- 5- Electromagnetic transition in deformation $^{168-170}\text{Yb}$ nuclei
Basrah J of Sciences Vol 16 No. 2 (1999)63 Iraq
- 4- Branching ratio calculation for Ru-isotopes using IBM-1 results.
J.Basrah Researches Vol 25 part. 3 (2000)53 Iraq
- 3- Band structure and B(E2) Transition of ^{150}Sm nucleus using IBM.
J.Basrah Researches Vol. 22 part 4 (1998) 1 . Iraq
- 2- Cubic interaction in interacting boson model application to ^{82}Kr nucleus
J.Basrah Researches Vol. 16 (1998) 105 Iraq
- 1 - Symmetry and mixed symmetry states in the ^{138}Nd nucleus
J.Basrah Researches Vol. 16 (1998) 1679. Iraq