

## السيرة الذاتية

الجامعة المستنصرية – كلية – العلوم/قسم الفيزياء-----

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ملخص تعريفي:

الاسم: د. عبدالحليم خضير علي – من مواليد 1963 بغداد. عضو هيئة تدريس في قسم الفيزياء  
الاختصاص العام /فيزياء نظرية  
اللقب العلمي: استاذ مساعد  
الشهادات الدراسية:

- Ph.D دكتوراة في الفيزياء والرياضيات – روسيا الاتحادية (2001).
- M.Sc. ماجستير علوم فيزياء- علوم مستنصرية (1992).
- B.Sc. بكالوريوس علوم فيزياء-علوم مستنصرية(1985).

التشكرات

- شكر من رئيس الجامعة سنة 2014 .
- شكر من عمادة العلوم في سنة 2015 .
- شكر من عمادة العلوم في سنة 2019 .
- شكر من السيد رئيس الجامعة سنة 2019 .
- شكر من السيد الوزير سنة 2019.

الخبرة الأكاديمية والتدريس:

- 1.قمت بتدريس المواد التالية: فيزياء الكم ، الفيزياء الرياضية، الفيزياء الاحصائية، النظرية الكهرومغناطيسية / كلية العلوم وكلية المعلمين/ جامعة المرقب – ليبيا من سنة (2009-2002)
- 2.قمت بتدريس المواد التالية: فيزياء الكم ، الفيزياء الرياضية، النظرية الكهرومغناطيسية / كلية العلوم.قسم الفيزياء/الجامعة المستنصرية

المقررات الدراسية التي تم تدريسها:

| الدراسات الأولية                       | الدراسات العليا |
|--|-----------------|
| الفيزياء الرياضية- فيزياء الكم- الكهرو | الكهرو          |

اللجان العلمية:

- لجان / لجنة مناقشة رسالة ماجستير ( سنة 2016) ،
- لجنة مناقشة مشاريع تخرج المرحلة الرابعة للسنة (2013- 2014).
- لجنة اعداد مفردات الفيزياء الرياضية في قسم الفيزياء
- لجنة مناقشة رسالة دكتوراة ( سنة 2019)

تطوير المهارات:

دورة طرق تدريس - دورة حاسبة

1. Abdul Halim Kh. Ali, Profiles of hydrogen stretching IR bands of molecules with hydrogen bands, J. Collage of Science/ Al- Mustansiriah University, Vol. 10, No.4, pp. 72-79 (1996).
2. Study of the fundamental, overtone and combination frequencies for acetic acid by using comparison of the absorption IR bands intensities, J. Collage of Science/ Al- Mustansiriah University, Vol. 12, No.4, pp. 16-20 (1997).
3. Starostenkov M.D., Lomskikh N.V., Starostenkova O.H., Abdul Halim Ali The selection rules of successiveness of knots filling for two-dimensional square lattice // Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 116.
4. Starostenkov M.D., Lomskikh N.V., Starostenkova O.H., Abdul Halim Ali The example of calculation of coordinational space filling in two-dimensional lattice with chess superstructure// Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 116.
5. Starostenkov M.D., Lomskikh N.V., Abdul Halim Ali Energetical characteristics of  $A_xB_{1-x}$  composition alloy in the dependence on temperature of it's annealing and concentration of components// Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 120.
6. Starostenkov M.D., Lomskikh N.V., Starostenkova O.H., Abdul Halim Ali The construction of diagram of  $A_xB_{1-x}$  binary model alloy state// Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 120.
7. Starostenkov M.D., Lomskikh N.V., Abdul Halim Ali The investigation of domain structure dependence of ordering model alloy of  $A_xB_{1-x}$  composition on concentration of components // Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 120.
8. Старостенков М.Д., Ломских Н.В., Старостенкова О.Х., Абдул Халим Али Правила выборки последовательности заполнения узлов для двумерной квадратной решетки // Сб. Тезисов докладов 5 международной школы-семинара "Эволюция дефектных структур в конденсированных средах". – Барнаул. – 2000. – с. 145-146.
9. Старостенков М.Д., Ломских Н.В., Старостенкова О.Х., Абдул Халим Али Пример расчета заполнения координационного пространства в двумерной решетке с шахматной сверхструктурой// Сб. тезисов докладов 5

международной школы-семинара “Эволюция дефектных структур в конденсированных средах”. – Барнаул. – 2000. – с. 146-147 .

10. Halim Abdul Ali, Lomskikh N.V. Computer simulation of ordering in general alloys // Сб. Тезисов докладов Международной научно-технической конференции “Композиты – в народное хозяйство России” (Композит’99). – Барнаул. – 1999.- с. 63-64.

11. Andruhova O.V., Ali Abdul Halim, Gurova N.M., Lomskikh N.V., Kozlov F.V., Starostenkov M.D. The microdomain role in the process of the order-disorder phase transition. Microdomain structure in the short-and long-range ordered phases//Book of abstract China-Russia Seminar on Nonequilibrium Phase Transition under Ultra-Conditions(NEPTUC), P.R. China, 2001, p.6

12. Ali Abdul Halim, Long-order of AB alloys by using computer simulation//Book of abstract International Seminar BXXI. – Barnaul Russia-2001-p.13.

13. Andruhova O.V., Ali Abdul Halim, Gurova N.M., Lomskikh N.V., Kozlov F.V., Starostenkov M.D. The microdomain role in the process of the order-disorder phase transition. Microdomain structure in the short-and long-range ordered phases//Book of polnovske vstnek-Barnaul Russia-No 2\2002, p.64.

14. Marwah M. Abdulstar<sup>a</sup>, A. A. Al-Rubaiee<sup>b,\*</sup>, Abdul Halim KH. Ali<sup>c</sup>, Parameterization of Cherenkov Light Lateral Distribution Function as a Function of the Zenith Angle around the Knee Region, J. International Letters of Chemistry, Physics and Astronomy, Vol.66, pp. 71-78 (2016).

15. A. A. Al-Rubaiee<sup>a</sup>, Abdul Halim KH. Ali<sup>b</sup>, Marwah M. Abdulstar<sup>c</sup>, Demonstrating of Cosmic Ray Characteristics by Estimating the Cherenkov Light Lateral Distribution Function for Yakutsk Array as a Function of the Zenith Angle, J. International Letters of Chemistry, Physics and Astronomy, Vol.67, pp. 21-30 (2016).

16. Abdul Halim kh. Ali, , Computer Simulation of topological mono-phase layers in thin films, J. Collage of education/ Al- Mustansiriah University, No.5(10), pp. 115-126 (2016).

17. Abdul Halim KH. Ali, A. A. Al-Rubaiee, Marwah M. Abdulstar, Coordination Spheres effect on recombination in AB alloys. J. Collage of Science/ Al- Mustansiriah University, Vol. 27, No.4, pp. 76-78 (2016).

18. Abdul Halim KH. Ali, A. A. Al-Rubaiee, Computer Simulation of the Fine Structure in A-B alloy, J. Collage of Pure Science/ Diyala University, Vol. 13, No.3, pp.1 2-30 (2017).

## **Curriculum Vitae**

Mustansiriya University - College of Science / Department of Physics

**Mobile:** +9647712925899

**Email:** halimkh63@gmail.com

### **Induction Summary:**

**Name:** Dr. Abdul Halim Khudair Ali - born in 1963 Baghdad.

Faculty member in the Department of Physics

General jurisdiction / Physics of the theory of specialization / Mathematical physics

Academic Title: Assistant Professor

### **Educational Certificates:**

- Ph.D. in Physics and Mathematics - Russian Federation (2001).
- M.Sc. M.Sc. in Physics - Mustansiriya Science (1992).
- B.Sc. B.Sc. in Physics-Mustansiriya Science (1985).

### **Thanks:**

- Thanks from the President of the University in 2014.
- Thanks from the Deanship of Science in 2015.
- Thanks from the Deanship of Science in 2019.

Thanks from the President of the University in 2019.

- Thanks from the Minister in 2019.

### **Academic Experience and Teaching:**

- I taught the following subjects: Quantum Physics, Mathematical Physics, Statistical Physics, Electromagnetic Theory / Faculty of Science and Teachers College / Al-Marqab University - Libya (2002-2009)
- I taught the following subjects: Quantum Physics, Mathematical Physics, Electromagnetic Theory / College of Science - Department of Physics / Mustansiriya University

**Courses taught:**

Postgraduate Graduate Studies:

Mathematical Physics - Quantum Physics - Electro

Higher Studies:

Electro.

**Scientific Committees:**

- Master Thesis Committees / Committee (2016);
- A committee to discuss the graduation projects of the fourth stage of the year (2013-2014).
- Committee to prepare vocabulary of mathematical physics in the Department of Physics
- PhD Thesis Discussion Committee (2019)

**Skills development:**

Course Methods of Teaching - Course Calculator

**Scientific Publications**

1. Abdul Halim Kh. Ali, Profiles of hydrogen stretching IR bands of molecules with hydrogen bands, J. Collage of Science/ Al- Mustansiriah University, Vol. 10, No.4, pp. 72-79 (1996).
2. Study of the fundamental, overtone and combination frequencies for acetic acid by using comparison of the absorption IR bands intensities, J. Collage of Science/ Al- Mustansiriah University, Vol. 12, No.4, pp. 16-20 (1997).
3. Starostenkov M.D., Lomskikh N.V., Starostenkova O.H., Abdul Halim Ali The selection rules of successiveness of knots filling for two-dimensional square lattice // Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 116.
4. Starostenkov M.D., Lomskikh N.V., Starostenkova O.H., Abdul Halim Ali The example of calculation of coordinational space filling in two-dimensional lattice with chess superstructure// Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 116.
5. Starostenkov M.D., Lomskikh N.V., Abdul Halim Ali Energetical characteristics of  $A_xB_{1-x}$  composition alloy in the dependence on temperature of it's annealing and concentration of components// Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 120.

6. Starostenkov M.D., Lomskikh N.V., Starostenkova O.H., Abdul Halim Ali The construction of diagram of  $A_xB_{1-x}$  binary model alloy state// Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 120.
7. Starostenkov M.D., Lomskikh N.V., Abdul Halim Ali The investigation of domain structure dependence of ordering model alloy of  $A_xB_{1-x}$  composition on concentration of components // Book of abstract 5 International Seminar-School "Defect structures evolution in condensed matters". – Barnaul, - 2000. – p. 120.
8. Старостенков М.Д., Ломских Н.В., Старостенкова О.Х., Абдул Халим Али Правила выборки последовательности заполнения узлов для двумерной квадратной решетки // Сб. Тезисов докладов 5 международной школы-семинара "Эволюция дефектных структур в конденсированных средах". – Барнаул. – 2000. – с. 145-146.
9. Старостенков М.Д., Ломских Н.В., Старостенкова О.Х., Абдул Халим Али Пример расчета заполнения координационного пространства в двумерной решетке с шахматной сверхструктурой// Сб. тезисов докладов 5 международной школы-семинара "Эволюция дефектных структур в конденсированных средах". – Барнаул. – 2000. – с. 146-147 .
10. Halim Abdul Ali, Lomskikh N.V. Computer simulation of ordering in general alloys // Сб. Тезисов докладов Международной научно-технической конференции "Композиты – в народное хозяйство России" (Композит'99). – Барнаул. – 1999.- с. 63-64.
11. Andruhova O.V., Ali Abdul Halim, Gurova N.M., Lomskikh N.V., Kozlov F.V., Starostenkov M.D. The microdomain role in the process of the order-disorder phase transition. Microdomain structure in the short-and long-range ordered phases//Book of abstract China-Russia Seminar on Nonequilibrium Phase Transition under Ultra-Conditions (NEPTUC), P.R. China, 2001, p.6
12. Ali Abdul Halim, Long-order of AB alloys by using computer simulation//Book of abstract International Seminar BXXI. – Barnaul Russia-2001-p.13.
13. Andruhova O.V., Ali Abdul Halim, Gurova N.M., Lomskikh N.V., Kozlov F.V., Starostenkov M.D. The microdomain role in the process of the order-disorder phase transition. Microdomain structure in the short-and long-range ordered phases//Book of polnovske vstnek-Barnaul Russia-No 2\2002, p.64.
14. Marwah M. Abdulstar<sup>a</sup>, A. A. Al-Rubaiee<sup>b,\*</sup>, Abdul Halim KH. Ali<sup>c</sup>, Parameterization of Cherenkov Light Lateral Distribution Function as a Function of the Zenith Angle around the Knee Region, J. International Letters of Chemistry, Physics and Astronomy, Vol.66, pp. 71-78 (2016).
15. A. A. Al-Rubaiee<sup>a</sup>, Abdul Halim KH. Ali<sup>b</sup>, Marwah M. Abdulstar<sup>c</sup>, Demonstrating of Cosmic Ray Characteristics by Estimating the Cherenkov Light Lateral Distribution Function for Yakutsk Array as a Function of the Zenith Angle, J. International Letters of Chemistry, Physics and Astronomy, Vol.67, pp. 21-30 (2016).
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17. Abdul Halim KH. Ali, A. A. Al-Rubaiee , Marwah M. Abdulsttar , Coordination Spheres effect on recomposition in AB alloys . J. Collage of Science/ Al- Mustansiriah University, Vol. 27, No.4, pp. 76-78 (2016).
18. Abdul Halim KH. Ali, A. A. Al-Rubaiee , Computer Simulation of the Fine Structure in A-B alloy, J. Collage of Pure Science/ Diyala University, Vol. 13, No.3, pp.1 2-30 (2017).