**Curriculum Vitae**

**Personal Data:**

**Name: MIAMI ABDULATTEEF MOHAMMED**

**Date and place of Birth: 12.02.1970, Baghdad, Iraq**

**Sex: Female**

**Marital Status: Married**

**Institute address: Department of Physics, College of Science, Al-Mustansiriyah University, Baghdad, Iraq.**

**Official Email:** [**Dr.Miamiph@uomustansiriyah.edu.iq**](mailto:Dr.Miamiph@uomustansiriyah.edu.iq)

**Personal Email:** [**miamiphys@yahoo.com**](mailto:miamiphys@yahoo.com)

**Academic Degrees:**

* **B. Sc. in Physics 1990-1991,** **Department of Physics**, **College of Education**, **AL-Mustansiriyah University, Baghdad, Iraq.**
* **M. Sc. in Physics 2002-2003,** **Department of Physics**, **College of Science**, **AL-Mustansiriyah University, Baghdad, Iraq.**

**M.Sc. Thesis Title: Wavelength effect on birefringence in the single-mode fiber optics, (in Arabic).**

* **Ph. D. in Physics 2020-2021, Institute of Applied Physics, Department of Nonlinear Photonics, WWU Muenster, Germany.**

**Ph.D. Thesis Title: Numerical investigations of light propagation in photonic crystal fibers, (in English).**

**Academic Position:**

* **Lecture in the Department of Physics**- **College of Education**, **Mustansiriyah University, Baghdad, Iraq since 1991.**
* **Lecture in the Department of Physics**- **College of Science**, **Al-Mustansiriyah University, Baghdad, Iraq since 1997until now.**

**Teaching Experience:**

* **Since 1991 Lecture on Nuclear, Mechanic, Optics, Computer Laboratories**- **College of Education**, **Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **Since 1997 Lecture on Nuclear, Mechanic, Optics**- **College of Science**, **Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **Since 2015-2016 participated in the construction of a thesis that includes linear and nonlinear light propagation studies as: Light propagation in optical fiber, including effects nonlinear soliton formation, WWU Münster, Institute of Applied physics, Department of Nonlinear Photonics, Germany.**
* **2021 Lecture on Physical mathematics** **/ 2st year /second course -Mathematics department- Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **2022 Lecture on Physical mathematics** **/ 2st year /First course -Mathematics department- Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **2022-2023 Lecture on Physical mathematics** **/ 2st year /second course -Mathematics department- Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **ASSIGNMENT TO DISCUSS GRADUATION 2021**
* **ASSIGNMENT TO DISCUSS GRADUATION 2022**
* **ASSIGNMENT TO DISCUSS GRADUATION 2022-2023**
* **عضو لجنة في مناقشة بحوث طلبة الرابع**

**Participation as a member of the graduation project control committee for fourth grade physics student at 04.07. 2021.**

**Participation as a member of the graduation project control committee for fourth grade physics student at 11.05. 2022.**

* **2021-2022 Lecture on Physical mathematics** **/ 2st year /first course -Mathematics department- Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **2021-2022 Lecture on Physical mathematics** **/ 2st year / second course -Mathematics department- Al-** **Mustansiriyah University, Baghdad, Iraq.**

**Participation in attending and publishing conferences 2010-2022:**

* **Participation in research and preparation for the sixth scientific conference of the College of Science, held in 9-10 February (2010), AL-Mustansiriyah- College of Science.**
* **International Conference of Computational Methods in Engineering Science, CMES’19, Kazimierz Dolny, Poland (November 2019) - Invited Talks.**
* **International Conference of Computational Methods in Engineering Science, CMES’20, in Lublin, Poland- Lviv, Ukraine (November 2020) - Invited Talks.**
* **Participation in attending the Mustansiriyah International Conference on Applied Physics (MICAP 2021) held in 28-29 June 2021.**

## META 2021, the 11th International Conference on Metamaterials, Photonic Crystals and Plasmonics. University of Warsaw, Warsaw, Poland, July 20-23, 2021- Invited Talks.

* **International Conference of Computational Methods in Engineering Science, CMES’21, Zamość, Poland (November 2021) - Invited Talks.**

**Participation in attending Workshops, Courses, Symposium and Seminars on the electronic platform of AL-Mustansiriyah University**

* **Participation in attending and training in the seventy-eighth educational qualification course organized by the Teaching Methods unit in AL-Mustansiriyah- College of Education, held for the period from 25/1 -10 /2-2003.**
* **Participation in attending a Workshop entitled (The concept of study leave outside Iraq) held in 30.05.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (The idea of Savior and the inevitable appearance (a prophecy that will come true) is a future vision from a psychological point of view) held in 03.06.2021 on the electronic communication platform by the College of Education- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Islam and Science) held in 06.06.2021 on the electronic communication platform by the College of Basic Education- AL-Mustansiriyah, 2021.**
* **Participation in attending Seminar entitled (The implications of shapes between printed and applied design) held in 17.07.2021 on the electronic communication platform by the College of Basic Education- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Using the map slope to solve equations ) held in 15.07.2021 on the electronic communication platform by the Continuing Education Center -AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Using the electronic whiteboard to solve mathematical problems and chemical equations) held in 27.05.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation and attendance in a Course entitled (The most used basic libraries in Python) held from the period 28.6-10.7.2021 and undergo an exam and award a degree on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Employing the Google Colab application, which is within the Google workspace, in teaching artificial intelligence materials) held in 08.07.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (An overview of medicinal compounds extracted from citrus fruits using molecular physics techniques) held in 11.07.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Planet simulator) held in 06.07.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (How to find out the location of the scientific journal within which quadrant Q1,Q2, Q3, Q4, and what does it means) held in 06.07.2021 on the electronic communication platform by the College of Basic Education - AL-Mustansiriyah, 2021.**

* **Participation in attending a Workshop entitled (Solving bi- criteria scheduling problem with Matlab) held in 29.06.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Study about three concepts functional analysis) held in 30.06.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Electronic (Digital) Drugs physics) held in 30.06.2021 on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Effect of atmospheric factors on the transmission of mobile phone and satellite waves) held in 28.06.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**
* **Participation and attendance in a Course entitled (Advanced applications of spatial analysis in geographic information systems) held from the period 21-27.06.2021 and undergo an exam and award a degree on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Professional electronic records –part two) held in 26.06.2021 on the electronic communication platform by the Continuing Education Center - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (The use of a gas chromatography device in the analysis processes molecular physics) held in 20.06.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**

1. **Participation and attendance in a Panel Discussion with a preventatives of the students of the College of Science held in 19.06.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**

* **Participation in attending a Workshop entitled (Complete (48,4)-are in PG 2,17) held in 16.06.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Inverses in mathematics) held in 15.06.2021 on the electronic communication platform by the Continuing Education Center - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Indexed dictionary for the chapters of the Holy Quran) held in 13.06.2021 on the electronic communication platform by College of Arts - AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (An explanation of virtual education in light of the Corona pandemic: Science is culture) held in 14.06.2021 on the electronic communication platform by College of Arts - AL-Mustansiriyah, 2021.**

* **Participation in attending a Workshop entitled (Dioxins and their effect on human health) held in 12.06.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Mathematics in our daily life) held in 13.06.2021 on the electronic communication platform by the Continuing Education Center - AL-Mustansiriyah, 2021.**
* **Participation in attending Seminar entitled (Evaluate the news on the Iraqi satellite channels, the problematic of handing and the privacy of society) held in 05.06.2021 on the electronic communication platform by the College of Basic Education- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Lead pollution and its toxic effects) held in 05.06.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**
* **Participation in attending Seminar entitled (Corona Virus 19 vaccines between science and rumors illusions) held in 31.05.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Thinking skills needed to teach the Holy Quran and Islamic education to Iraq university and institute students in the light of teaching competencies) held in 01.06.2021 on the electronic communication platform by the College of Basic Education- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (On–lin Aprliation) held in 16.06.2021 on the electronic communication platform by the College of Education- AL-Mustansiriyah, 2021.**
* **Participation in attending a Workshop entitled (Magnetron sputtering) held in 01.06.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah, 2021.**
* **Participation and attendance in a Course entitled (Programming basic in Python) held from the period 15.6-24.6.2021 and undergo an exam and award a degree on the electronic communication platform by the College of Science - AL-Mustansiriyah, 2021.**
* **Participation in attending Seminar entitled (Black mold in the time of the Corona pandemic) held in 29.06.2021 on the electronic communication platform by the College of Engineering- AL-Mustansiriyah, 2021.**

1. **Participation in attending a Workshop entitled (Experimental and theoretical measurements of spin current using femtosecond pulsed laser) held in 04.11.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر.**
2. **Participation in attending a Workshop entitled**

**(Mendeley ادارة المصادر المرجعية باستخدام تطبيق) held in 08.11.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled (Gamma knife and Meningiomas) held in 14.11.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر.**
2. **Participation in attending a Workshop entitled**

**(حساب واحد لجميع برفايلات الباحث باستخدام الاورسيد) held in 21.11.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled**

**(Optical fiber Communication) held in 04.12.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University-- مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled**

**(تحضير بعض الدقائق النانوية الخضراء االصديقة للبيئة كميدات حشرية) held in 04.12.2021 on the electronic communication platform - AL-Mustansiriyah University-- مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled**

**(تطبيقات الليزر) held in 07.12.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled (Types of Symmetric X-Ray Diffraction Characterization for Nanostructured Materials) held in 13.12.2021 on the electronic communication platform by the College of Science- AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر.**
2. **Participation in attending a Workshop entitled**

**(Coupling characteristics of multi-core photonic crystal fibers**

**خصائص الاقتران في الياف البلورة الضوئية متعددة النوى) held in 18.12.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University-- ورشة عمل- مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled**

**(Photonic Crystal البلورة الضوئية) held in 23.12.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled**

**(الوقاية من الامراض الايدز-الكبد الفايروسي) held in 21.12.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University-- مركز التعليم المستمر-قسم شؤون الاقسام الداخلية-.**

1. **Participation in attending a Workshop entitled**

**(البلورة الضوئيةاثر القران الكريم في عالميةاللغة العربية ) held in 25.12.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University-- ورشة عمل مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled**

**(منظومة كشف الغازات تصميم) held in 15.01.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University-- مركز التعليم المستمر ورشة عمل.**

1. **Participation in attending a Scientific Symposium entitled**

**(موقف النبي محمد من الانصار قراءة في ضوء الخطاب القراني) held in 03.12.2021 on the electronic communication platform by - دارالرسول الاعظم التابعة لقسم الشؤون الفكرية والثقافية في العتبة العباسية المقدسةحضور الندوة العلمية.**

1. **Participation in attending a Scientific Course entitled**

**(المواقع الالكترونية تصميم) held in 17-18.11.2021 on the electronic communication platform by - University of Diyala- مركز التعليم المستمر-دورة علمية**.

1. **Participation in attending a Scientific Course entitled**

**(الاصابات الناتجة عن حوادث السير كيفية التعامل) held in 16-17.11.2021 on the electronic communication platform by – جامعة تكريت-**

**مركز التعليم المستمر-دورة علمية**.

1. **Participation in attending a Scientific Course entitled**

**(الفوري مع اصابات الحروق كيفية التعامل) held in 13-14.11.2021 on the electronic communication platform by – جامعة تكريت-**

**مركز التعليم المستمر-دورة علمية**.

1. **Participation in attending a Workshop entitled**

**(كيفية معرفة المجلات العلمية الرصينة والمفترسة) held in 15.11.2021 on the electronic communication platform by - University of Diyala- مركز التعليم المستمر-جامعة ديالى الامانة العامة للمكتبة المركزية-ورشة عمل**.

1. **Participation in attending a Workshop entitled**

**(Applications of waveguide coupler in optical communication systems) held in 29.12.2021 on the electronic communication platform by the College of Engineering - AL-Mustansiriyah University-- ورشة عمل- مركز التعليم المستمر.**

1. **Participation in attending a Workshop entitled**

**(مخاطر وايجابيات تحضير الجسيمات النانوية) held in 25. 2.2022 on the electronic communication platform - ورشة عمل - - ادارة مؤسسة الرؤى للتعليم والتنمية المستدامة.**

1. **Participation in attending international Seminar entitled (COMSOL DAY:Fluids& Heat) held in 9.12.2021 Germany, المشاركة في سيمنر في المانيا.**
2. **Participation in attending a Workshop entitled**

بعنوان أهدف **الغاية الناشئة في تكنلوجيات المعلومات الاتصالات ورشة عمل**

التنمية المستدامة بالنسبة للطاقة الاتجاهات

**held in 18.9.2022- 19.9.2022on the electronic communication platform by IFAD SCIENTIFIC**

**23. Participation in attending a Workshop entitled (نظام شيكاغو في ورشة عمل توثيق الكتب والاطاريح والدوريات)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**

1. **Participation in attending a Workshop entitled (البحث العلمي تجارب ودروس واضاءات) ورشة عمل)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
2. **Participation in attending a Workshop entitled (Prepare a resume/curriculum vitae using LaTeX )held in 6.10.2022 on the electronic communication platform by IFAD SCIENTIFIC ورشة عمل**
3. **Participation in attending a Workshop entitled (ARID SCIENTIFIC MEMBERS' CULTURAL FORUM IN "**

**"SOUTH EAST ASIA) held in 30.10.2022 on the electronic communication platform by ARID SCIENTIFIC ورشة عمل**

1. **Participation in attending a Scientific Symposium entitled**

**(استراتيجة دورة التعليم الخماسية في تدريس العلوم) held in 10.12.2022 on the electronic communication platform by – كلية التربية جامعة ديالى حضور**

**الندوة العلمية**

1. **Participation attending an international workshop entitled**

**(فلسفة الجندر) held in 19.1.2023 on the electronic communication platform by ورشة عمل –مؤسسة الرؤى**

1. **Participation in attending a Workshop entitled (مفهوم التمكين الاداري للمراه) held in 28.1.2023 on the electronic communication platform by ARID SCIENTIFICجامعة الكرخ للعلوم ورشة عمل**
2. **Participation attending an international workshop entitled**

**(IN GRATEFUL RECOGNITION OF YOUR PARTICIPATING IN [PUBLIC HEALTH SUVEILLANCE: WHO NEEDS IT AND**

**WHO IS RESPONSIBLE] BY RES. ASSOC. PROF. Dr. SUSIE MIKLER/GSU, USA, AT COLLEGE OF VETERINARY MEDICINE, AL-MUTHANNA UNIVERSITY ON WEDNESDAY) held in 16.11.2022 on the electronic**

1. **Participation in attending a Workshop entitled (Homonyms in English Language) held in 1.5.2023 on the electronic communication platform by the College of Science- AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر**
2. **Participation and attendance in a Course entitled (COMPUTIONAL MODELING IN JULIAWITH COVID 19) held from the period 6.9.2022 FROM JULIA ACADMY-كورس تدريبي دولية عمل من اكاديمية جوليا**
3. **Participation and attendance in a Course entitled (JULIA FOR DATASCIENCE) held from the period 6.9.2022 FROM JULIA ACADMY كورس تدريبي دولية عمل من اكاديمية جوليا**
4. **Participation in attending a Workshop entitled (Plasma physics and some of applications) held in 8.9.2023 on the electronic communication platform by the College of Science- AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر**
5. **Participation in attending a Workshop entitled (The Impact of SEM images on the publication quality) held in 15.11.2022 on the electronic communication platform by the College of Science- AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر**
6. **Participation in attending a Workshop entitled (The ABCs of Scientific Article Editing Criteria for acceptance and evaluation of rejection)held in 8.10.2022 on the electronic communication platform by IFAD SCIENTIFIC**
7. **Participation in attending a Workshop entitled (أساليب التحليل والتقويم في البحث العلمي)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
8. **Participation in attending a Workshop entitled (أساليب النشر العلمي في المجلات العلمية - أمثلة تطبيقية في مجلات سكوباس)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
9. **Participation in attending a Workshop entitled (أسرار النشر العلمي والتصنيف الدولي)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
10. **Participation in attending a Workshop entitled (البصمة البحثية - مفهوماً وتطبيقاً)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
11. **Participation in attending a Workshop entitled (المقدمة فى البحوث العلمية (المضمون، والصياغة، والمحاذير)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
12. **Participation and attendance in a Course entitled (أسرار وخفايا لوحة المفاتيح) held from the period 30.10.2022 FROM JULIA ACADMY دورة تدريبي دولية من المملكة السعودية جامعةالملك خالد كلية العلوم والاداب التطبيقية بالمجارحة**
13. **Participation in attending a Workshop entitled**

**(تحلیل الاستشھادات للمجلات العلمیة) held in 18.11.2022 on the electronic communication platform by - جهاز الاشراف والتقويم العلمي في وزارة التعليم العالي والبحث العلمي -ورشة عمل**

1. **Participation in attending a Workshop entitled**

**(الأسلوب الأمثل لكتابة المقال الأكادیمي) held in 02.12.2022 on the electronic communication platform by - جهاز الاشراف والتقويم العلمي في وزارة التعليم العالي والبحث العلمي -ورشة عمل**

1. **Participation in attending a Workshop entitled (صياغة الفرضيات وبناء نموذج البحث)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
2. **Participation in attending a Workshop entitled (منهجيات توظيف الدراسات السابقة بالبحث العلمي)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
3. **Participation in attending a Workshop entitled (مهارات واستراتيجيات التدريس والتدريب)held in 10.9.2022 on the electronic communication platform by IFAD SCIENTIFIC**
4. **Participation in attending a Scientific Symposium entitled**

**(استخدام برنامج الاستلال الالكتروني م) held in 4.11.2022 on the electronic communication platform by – كلية التراث الجامعة - ورشة عمل - مركز**

**التعليم المستمر**

**الندوة العلمية**

1. **Participation in attending a Workshop entitled (علاج الغدة الدرقية) held in 23.11.2022 on the electronic communication platform by the College of Science- AL-Mustansiriyah University- ورشة عمل - مركز التعليم المستمر**
2. **Participation in attending a Workshop entitled (نظام فهرست المصادرمندلي) held in 12.11.2022 on the electronic communication platform - ورشة عملFCC – كلية علوم الهندسة الزراعية عبر برنامج**

* **Participation in Participation in volunteer work 2021-2022المشاركة في الاعمال التطوعية**

1. **العمل التطوعي الى لجنة الترقيات المركزية ذي العدد 5689 بتاريخ 7.12.2021**
2. **العمل التطوعي الى لجنة الترقيات المركزية ذي العدد 6213 بتاريخ 29..12.2021**
3. **العمل التطوعي الى لجنة الترقيات المركزية ذي العدد 27 بتاريخ 4.1.2022**
4. **العمل التطوعي الى لجنة الترقيات المركزية ذي العدد 29 بتاريخ 4.1.2022**
5. **العمل التطوعي الى لجنة الترقيات المركزية ذي العدد 3281**

**بتاريخ 2.8.2021**

* **Delivering workshop2021-2022القاء ورش عمل**

1. **Applications of waveguide coupler in optical communication systems**
2. **Coupling characteristics of multi-core photonic crystal fibers خصائص الاقتران في الياف البلورة الضوئية متعددة النوى**
3. **Photonic Crystal البلورة الضوئية**
4. **Numerical analysis of idependent light propagation in a photonic crystal fiber**
5. **تأثير الطول الموجيفي التغلب على انتشارالضوء المستقل في الياف البلورة الضوئية باقطار مختلفةلجميع النوى**

* **براءات الاختراع**

1. **المشاركة في براءات الاختراع في معرض الابتكارات العلمية الثالث التابعة لوزارة الشباب والرياضة في 16.11.2021**

**(Numerical investigation of light propagation in photonic crystal fiber)**

**شكر وتقدير معرض الابتكارات الثالث لوزارة الرياضة والشباب ذي العدد1887 في 24.1.2022**

1. **المشاركة في براءات الاختراع في معرض الابتكارات العلمية الرابع التابعة لوزارة الشباب والرياضة في 22.1.2022**

**(Decoupling characteristics in a three-core photonic crystal fiber)**

**International Scientific Honorsالعلمية الاوسمة العالمية**

#### Certificate Badge on 08/01/2022 on ARID Scientific Platform

#### شهادة وسام باحث مبادر في يوم 18/12/2021 عبر منصة أريد

#### 

1. **Certificate for Innovative Badge on 28/02/2023 on ARID PLATFORM.**

#### شهادة وسام باحث مبدع في يوم 30/09/2023 عبر منصة أريد.

#### Certificate for Future Scholar Badge on 29/07/2022 on ARID Scientific Platform

1. **Certificate for Future Scholar Badge on29/07/2022 on ARID PLATFORM**

#### شهادة وسام مشروع عالم في يوم 30/09/2023 عبر منصة أريد

1. **Certificate for Activist at ARID Scientific Events Badge 2022 on 17/11/2022 on ARID Scientific Platform**

#### شهادة وسام باحث ناشط في فعاليات أريد للعام 2022 في يوم 30/09/2023 عبر منصة أريد.

1. **Certificate for Activist at ARID Scientific Events Badge 2023 on 30/09/2023 on ARID Scientific Platform**

#### شهادة وسام باحث ناشط في فعاليات أريد للعام 2023 في يوم 30/09/2023 عبر منصة أريد

**6. Certificate for** ARID Membership badge**2023 on 3/10/2023 on ARID Scientific Platform شهادة وسام *عضوية منصة* أريد للعام 202*3* في يوم 3/*10*/2023 عبر منصة أريد**

#### .

**Written thanks and appreciation كتب الشكر والتقدير الاوسمة العالمية**

* **A CERTIFICATE OF APPRECIATIONFROM THE ARID SCIENTIFIC PLATFORM FOR PARTICIPATING IN THE CLOSING CEREMONY OF ELEVENTH INTERNATIONAL SCIENTIFIC FORUM. HELD IN 15.11.2022**
* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM THE DEPARTMENT OF SCIENTIFIC AFFAIRS AT AL-MUSTANSIRIYA UNIVERSITY FOR THESCIENTIFIC RESULTS FOR THE SUCCESS OF THE EXHIBTION IN IS SIXTHB SESSION, WHICH WAS HELD IN ON TWO WAY 7-8.3.2023**
* **MEMBERSHIP CERTIFICAT FROM Tatweer Global Platform2023**
* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

#### شكر وتقدير من رئيس الجامعة المستنصرية الدكتور صادق محمد الهماش للجهودة المبذولة للجنة الامتحانية للعام الدراسي /2022-2021 منحت في يوم 9/11/2022

* **IBTEKR**

#### شهادة ابتكر من مركز محمد بن راشد للابتكار الحكومي وهو مساق الكتروني من خلال منصة منح في يوم 22/9/2023

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

#### شكر وتقدير من وزير التعليم العالي الدكتور نبيل كاظم للجهودة المبذولة لكل التدريسين والموظفين منح في يوم 25/10/2022

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM Participation in attending a party entitled (إحتفالية الذكرى السنوية السابعة لتأسيس منصة أُريد العلمية**

**) held in 29.4.2023 on the electronic communication platform by ARID SCIENTIFIC**

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

#### شكر وتقدير من رئيس الجامعة المستنصرية الدكتور صادق محمد للكل الهماش للانتهاءه مهام عملة في الجامعة المستنصرية منحت في يوم in 7.11.2022

#### 

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

#### شكر وتقدير من رئيس الجامعة المستنصرية الدكتورحميد فاضل حسن التميمي للجهودة المبذولة في انجاز نشاطات وفعاليات منحت في يوم 18/1/2023

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

#### شكر وتقدير من وزير التعليم العالي الدكتور نعيم العبودي للجهودة المبذولة في تحقيق المركز الاول على الجامعات الحكومية والموظفين منح في يوم 18/1/2023

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

#### شكر وتقدير من وزير التعليم العالي الدكتور نعيم العبودي للجهودة المبذولة في مؤشرات الاداء الاكاديمي لكل التدريسين والموظفين منح في يوم 19/4/2023

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

شكر وتقدير من وزير الرياضة والشباب الاستاذ عدنان درجال للجهودة المبذولة في انجاز نشاطات وفعاليات مع وزارة الشباب والرياضة منحت في يوم 10/10/2023

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

شكر وتقدير من الدكتور رافد عيدان للجهودة المبذولة في انجاز نشاطات وفعاليات مع وزارة الشباب والرياضة منحت في يوم 31/10/2022

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

شكر وتقدير من الدكتورحيدر عبد ضهد وكيل الوزارة لشؤون البحث العلمي بمناسبة يوم المراة العالمي منحت في يوم 7/3/2023

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

شكر وتقدير من الدكتورمحمد فرج عميد كلية العلوم بمناسبة يوم المراة العالمي منحت في يوم 8/3/2023

* **CERTIFICATFROM OF THANKS AND APPRECIATIONFROM FROM**

شكر وتقدير لكل التدريسين والموظفين من الدكتورمحمد فرج عميد كلية العلوم بمناسبةانتهاء العام الدراسي 2022-2023 منحت في يوم 26/6/2023

**List Of Publication:**

* **M. Mohamed (2010), Fiber length effect on modal birefringence in a single-mode fiber, Journal of College of Science, Vol. 21, Nr. 5, P. 20-27, Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **M. Mohamed (2010), Measurement high model birefringence under tension effect at coiled the single-mode optical fiber, Journal of College of Education, Vol. 1, Nr. 1, P. 165-180, Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **A. A. AL-Dulaimy, M.A. Mohamed (2011), The relation effects fiber core ellipticity and residual stress on modal birefringence in a single-mode optical fiber, Journal of College of Education, Vol. 3, Nr.3, P. 247-261, Al- Mustansiriyah University, Baghdad, Iraq.**
* **M. Mohamed (2011), The radius of curvature effect on modal birefringence in a single-mode optical fiber, Journal of College of Education, Nr. 3, P. 85-98, Al-** **Mustansiriyah University, Baghdad, Iraq.**
* **M.A. Mohamed, A. AL-Zuky (2012), A digital statistical study for a single-mode optical fiber at bending, Journal of College of Education, Nr. 6, Al- Mustansiriyah University, Baghdad, Iraq.**
* **Mazin Ali Abd Ali, Miami Abdulatteef Mohammed (2013), Effect of Atmospheric Attenuation on Laser Communications for Visible and Infrared Wavelengths, Journal of College of Education, Vol. 16, Nr. 3, P. 133-140, Al- Mustansiriyah University, Baghdad, Iraq.**
* **M. Mohammed (2019), FEM analysis of two-core photonic crystal fiber coupling characteristics, IV International Conference Computational Methods in Engineering Science- CMES’19, Kazimierz Dolny, Poland (November 2019)- Invited Talks, the paper is published as a book chapter in Lublin University of Technology, ISBN: 978-83-7947-386-1, p.74-87**
* **Miami. Mohammed, Ahmad K. Ahmad (2020), Multicore photonic crystal fibers designing for multiplexers and demultiplexers applications, the paper is published in Rafidain journal of science, Iraq, 29, 3, p. 61-72,.**
* **Miami. Mohammed, Ahmad K. Ahmad , (2020), Analysis of light propagation in identical and non-identical multicore photonic crystal fibers, the paper is published in the Al- Nahrain journal of science, Iraq, 23, 3, p. 49-60, (2020).**
* **M. Mohammed, Ahmad K. Ahmad (2021) ,Finite element modeling of independent core propagation in multicore photonic crystal fibers resulting from anisotropy in structure, International Conference Computational Methods in Engineering Science- CMES’20, in Lublin, Poland- Lviv, Ukraine, Invited Talks,** **Journal of Physics: Conference Series 1736,** **012037, P.1-11, IOP Publishing(Scopus).**
* **M. Mohammed (2021), Analysis of Overcoming Independent Core Light Propagation in Multicore Photonic Crystal fibers with Non-identical Cores Coupling, The 11th International Conference on Metamaterials, Photonic Crystals and Plasmonics META 2021 Warsaw – Poland, 20 – 23 July 2021, Proceedings, ISSN 2429-1390, PP. 1033-1034.**
* **M. Mohammed (2021), Finite element modeling of coupling characteristics of directional coupler for multiplexer and de-multiplexer application, International Conference Computational Methods in Engineering Science- CMES’21, International Conference of Computational Methods in Engineering Science, CMES’21, Zamość, Poland (November 2021) - Invited Talks and purplish on 2130 (2021) 012035 IOP Journal of Physics: Conference Series (Scopus).**
* **Miami A Mohammed (2022), Birefringence for Elliptical-Core Fibers with Low Ellipticities, Ibn Al Haitham Journal for Pure and Applied Science, 35(1), 2022.**
* **Miami Abdulatteef Mohammed, Effect of change optical fiber turn numbers on rate of laser light intensity outside of the single- mode optical fiber, Journal of College of Education, Vol. 4, Nr.4, P. 37-40, 1.12.2021, ISSN: 1812-0380, Al- Mustansiriyah University, Baghdad, Iraq.**
* **Mohammed, W Cel, Photonic crystal analysis for multiplexer and de-multiplexer applications,** **Journal of Physics: Conference Series 2322 (2022) 012074.**
* **M Mohammed, A K Ahmad, Numerical analysis of strongly coupled multicore photonic crystal fibres for multiplexer and de-multiplexer applications, Journal of Physics: Conference Series 2322 (2022) 012077**
* **M Mohammed, Linear Birefringence in Single-Mode Optical Fiber, 2023 9th International Conference on Advances in Machinery, Materials Science and Engineering Applications**