**Curriculum Vitae**

**Haura Abas**

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| **Academic Qualifications** |

2005 M.Sc. Sciences: physics (University of Kufa, Iraq)

Thesis title (A study of some Rhyeological and Optical properties for polyisoprene

Solution)

2001 B.Sc. Sciences: physics (University of Kufa, Iraq)

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| **Positions** |

2020 PhD. Students at physics faculty/ science college/ Kerbala university.

2009 until now member of teaching staff in physics department, University of Karbala.

2005-2009 Assistant Lecturer and laboratory manager, in physics Department University of

Karbala.

2001-2005 Assistant Researcher and laboratory technician in Physics Department, Kufa

University.

Skills

* Research proposal and research design.
* Samples preparation.
* Appling the experiments, analyse the results and functions test.

Experience

* Measure the materials properties such as optical, electrical and Rhyeological properties.
* Design and Operating independently the optical system with different type of laser.
* Working as part of team to assist other students and researchers in their laboratory work when requested.
* Preparing the solutions of solid materials and keep them under different atmosphere temperature.

Teaching Experience:

* Analytical Mechanics
* Biophysics
* Optical laboratory
* Laser laboratory
* Solid-state Physics laboratory
* Digital electronics laboratory
* Mechanics laboratory
* Electricity and magnetism laboratory
* General physics

**Research interests**

* Laser and laser application
* Materials properties
* Optics
* Lights
* Polymers applications
* Nanotechnology
* Attosecond
* Plasma
* Radioactivity

**Supervision** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2007 Supervising the research out of the fourth year undergraduate students (four students).

Study project title: Study of some optical properties for some materials.

2019 Supervising the research out of the fourth year undergraduate students (two students)

Project title : Study of some electrical properties for polymer SVR5.

**Authorship**

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Preparing the practical optics handbook for third year students in physics department.

**Committees’ participations**

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* Test and maintain the laboratory equipment.
* Select the scientific books and establish the scientific library in physics department.
* Set up the practical experiments of the laboratories in physics department.
* The committee of students’ scientific activities (chairperson).

**Journal articles**

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1. Measurement of Radiation Hazard Indexes for Some Types of Domestic and Imported Flour, Jour of Adv Research in Dynamical & Control Systems, Vol. 11, No. 6, 2019.
2. Study of some electrical properties for polymer SMR20, Journal of Physics: IOP Publishing Conf. Series 1279 (2019), doi:10.1088/1742-6596/1279/1/012007.
3. A Study of some optical properties of the solution (Polyisoprene - toluene) Using a laser (helium - neon) under the influence of temperature published in Journal of Al-Qadisia University, Vol. 12 / No.3 / 2007.

4. A study of some optical properties for polyisoprene solvent in Toluene 2007.

5. A study of change wavelength on some optical properties of cobalt nitrate water published in Journal of Karbala University, Vol. 5 / No.2 / 2007.

6. A study Intensity and Wave Length TEA-Co2 Laser for sensitivity of Plasma detector published in Journal of Karbala University, Vol.6 / No.1 / 2008.

**In preparation or drfted**

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1- A study of change wavelength on some optical properties of cobalt nitrate water.

2- A Study of some elecrical properties of the solution (Polyisoprene - toluene) under

the influence of temperature

3- Improving X-ray images

**Conference papers**

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1. The Eighth Scientifi Conference of Karbala University 2020.
2. The First International Scientific Conference Al-Ayen University 2019.
3. The First International Scientific Conference Al-Qadisia University 2019.
4. The Third Scientific Conference of Karbala University2008.