**C.V**

**Name:** Ahmed Riedh Abass Al-Hamaoy.

**Date of Birth:** 1 Sep. 1980.

**Specialization:** Ph.D.Laser Application in Mechanical Engineering.

**Scientific Degree:** Lecturer.

**Work Address:** Al-Nahrain University – College of Engineering

**Current Position:** Editing Manager of Al-Nahrain Journal for Engineering Sciences (NJES)

**E-mail**: [meclaser80@gmail.com](mailto:meclaser80@gmail.com)

**Cellphone:** +964 (**0)7901 238 115**

**Scientific Education:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **College** | **University** | **Scientific Degree** |
| 2002 | Engineering | Al- Anbar | **B.Sc.-**Mechanical Eng. |
| 2008 | Institute of Laser for Post Graduate Studies | Baghdad | **M.Sc.-** Laser Sci. in Mech. Eng. |
| Through Transmission Laser Spot Welding for PMMA, PVC | | | **Thesis Title** |
| 2014 | Institute of Laser for Post Graduate Studies | Baghdad | **Ph.D.** - Laser Sci. in Mech. Eng. |
| Fabrication and Characterization of Carbon Nanostructures using Liquid Phase Pulsed Laser Ablation | | | **Thesis Title** |
| I did the experimental work of my Ph.D. study in DCU, Ireland under the supervision of Prof. Dermot Brabazon for six months. | | | |

**Positions Held:**

|  |  |  |  |
| --- | --- | --- | --- |
| **From -To** | **Workplace** | **Position** | **No.** |
| 2002-2008 | Univ. of Al-Anbar | Asst. Engineer | 1 |
| 2008- 2014 | Univ. of Al-Anbar | Asst. Lecturer | 2 |
| 2014- Present | Al-Nahrain Univ. | Lecturer | 3 |
| 2014- Present | Al-Nahrain Jour. for Eng. Sci. | Managing Editor | 4 |

**Courses Taught:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Subject** | **Department** | **No.** |
| 2003-2005 | Q Basic Programming Lab | Mech. Eng. |  |
| 2004-2005 | C++ Programming Lab | Elec. Eng. |  |
| 2008-2009 | Numerical Analysis Lab. | Mech. Eng. |  |
| 2010-2011 | Engineering Drawing | Mech. Eng. |  |
| 2011-2012 | Mechanical Eng. Drawing | Mech. Eng. |  |
| 2013-2014 | Fortran Programing | Mech. Eng. |  |
| 2013-2014 | Physics I | Mech. Eng. |  |
| 2013-2015 | Eng. Drawing & Descriptive Geometry | Mech. Eng. |  |
| 2013-2017 | Mechanical Constructions | Mech. Eng. |  |
| 2014-2016 | Eng. Math. III & IV | Pro. & Orth. Eng. |  |
| 2015-2016 | Eng. Math. III & IV | Biomedical Eng. |  |
| 2015-2016 | Mechanical Eng. II | Laser Eng. |  |
| 2016-2017 | Mechanics of Machine | Mech. Eng. |  |
| 2016-2017 | Scientific Writing | Mech. Eng. (Postgraduate Studies) |  |

**Scientific Projects Supervision:**

1. Glass Drilling Using CO2 Laser.
2. Fabrication of Functionally Graded Materials (FGM) by Simple Method.
3. Effect of adding Ni particle on Glass bending using CO2 Laser.
4. Metals Penning using CO2 Laser.
5. House Building using non-recycled Polymers.

**Some of Conferences, Seminars and Courses which I participate:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of Participation** | **Place** | **Year** | **Title** | **No.** |
| Trained | Engineering Consolatory Bureau - Univ. of Al-Anbar | 2005 | Learning Auto CAD | 1 |
| Trained | The Continuous Learning Center- Univ. of Al-Anbar | 2008 | Teaching Methods Course | 2 |
| Trained | Iraqi Center for Innovation and Development | 2005 | * Six Hats thinking method, * Introduction to leadership, * Effective Decision techniques | 3 |
| Trained | National Democracy Institute (NDI) - Iraq | 2007 | Leadership skills development training | 4 |
| Trained | NDI- Iraq | 2008 | Strategic thinking and planning training | 5 |
| Trained | NDI- Iraq | 2011 | Fundraising training | 6 |
| **Trainer** | Al-Nahrain University | 2015 | Secrets to present a scientific talk | 7 |
| **Speaker** | Egyptian Engineering Union, Cairo, Egypt | 2016 | Conference of The Effect of Public Education Output Pre-University in the Quality of Engineering Education | 8 |
| **Trainer** | Iraqi Engineers Union | 2016 | How to write long documents using MS word | 9 |
| Listener | University of Technology | 2016 | Laser Trends in Photonics, Nanophotonics and Biophotonics | 10 |
| **Speaker** | Qatar Engineering Union, Doha, Qatar | 2017 | Capacity building and Engineering Competencies and Rehabilitation for Labor market to Keep abreast of developments | 11 |

**Membership:**

* Member in Iraqi Engineers Union (# 102356).
* Member in Federation of Arab Engineers (# 9/5819).
* ASEE member (# 101046).
* ASEE Baghdad Branch Member

**Awards and Certificates of Appreciation:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Donor** | **Name of Awards and Certificates** | **No.** |
| 2004-2017 | Dean of College | More than 20 Acknowledgment and appreciation | 1 |
| 2014-2017 | Head of Al-Nahrain University | Four Acknowledgment and appreciation | 2 |
| 2016 | Head of Tikrit University | Acknowledgment and appreciation | 3 |
| 2016 | Head of Iraqi Engineers Union | Acknowledgment and appreciation | 4 |

**Scientific Publications:**

1. *Liquid Phase – Pulsed Laser Ablation: A route to fabricate different carbon nanostructures,* Applied Surface Science, 302,141-144, 2014.
2. *Through Transmission Laser Spot Welding for PMMA*, International Journal of Advanced Research in Education & Technology (IJARET), 3, 234-236,2016.
3. *Effect of Ni particles on Laser Glass Forming*, International Journal of Advanced Research in Education & Technology (IJARET), 3, 138-140, 2016.
4. *Carbon Nanoparticle Functionalization of Laser Textured Polymer Surfaces for Chemical and Biological Speciation,* Lasers in Engineering, 36(1-3), 63-72, 2017.
5. Hamed Sohrabpoor, Ahmed Issa, Ahmed Al Hamaoy, Inam Ul Ahad, Evans Chikarakara, Komal Bagga, Dermot Brabazon, Chapter 24, *Development of laser processing technologies via experimental design*, pp. 707-730, 2nd Edition, 2017, Edited by Jonathan Lawrence, Elsevier, Woodhead Publishing, ISBN 978-0-08-101252-9.