# Abeer Ahmed Shehab

Mobile: +9647705793607 Email: abeerahmedshihab@gmail.com
A.A.shihab.mec@engineering.uodiyala.ed

## OBJECTIVE

*To increase my research work activity at University of Diyala - Department of Material Engineering, as a researcher in the field of Material processing and, in particularly Laser material processing ( laser welding, laser drilling, laser surface treatments, laser cutting), welding.*

## EDUCATION

**2011-2015** University of Baghdad. Institute of Laser for Postgraduate Studies.
Ph.D. in Laser / Mechanical Engineering.

**2008-2011** University of Baghdad. Institute of Laser for Postgraduate Studies.
MA. in Laser / Mechanical Engineering.

**2006-2008** Middle Technical University /Technical Engineering College-Baghdad
H.D. in Mechanical Engineering / Power

**1996-2000** University of Baghdad. College of Engineering
BA, in Mechanical Engineering

## RESEARCH INTERESTS

My main interest remains in the field of laser material processing.
( laser welding ,laser drilling , laser surface treatments and laser cutting ), welding .

## EMPLOYMENT

**2000-2005** Assistant engineer ministry of industry and mineral Al-Nidaa Company for mechanical.
. dies production

**2005-2011** Senior engineer university of Diyala college of engineering

**2011-2021** Lecturer university of Diyala college of engineering

**TEACHING**

University of Diyala College of Engineering .
- Lecturer of power plant engineering forth year class/ Mech. Eng. Dept.
- Lecturer of mechanical drawing second year class/ Mech. Eng. Dept.
-Lecturer of welding technology third year class/ Material Eng. Dept.
-Lecturer of casting second year class / Material Eng. Dept.
- Lecturer of laser material processing forth year class/ Material Eng. Dept.

**PUBLICATION**

Temperature Distribution Simulation for Pulsed Laser Spot Welding of Dissimilar Stainless Steel AISI302 to Low Carbon Steel AISI1008 *Advanced Materials Research*

Building A Simulation Model for Prediction of The Temperature Distribution in Pulsed Laser Spot Welding of Dissimilar Low Carbon Steel 1020 to Aluminum Alloy 6061 *American Institute of Physics*.

Computational and Experimental Investigation For Weld Bead Dimensions Pulsed Laser Spot Welding of Dissimilar Stainless Steel AISI302 to Low Carbon Steel AISI1008 *Machines Technologies Materials*

Spot Welding of Dissimilar Metals Using an Automated N d: YAG Laser System *Iraqi Journal of Laser*

Pulsed Nd:YAG Laser Dissimilar Welding of Grade 2 , Titanium Alloy to 3105Aluminum Alloy Using AlSi5 Filler Metal *International Journal of Enhanced Research in Science Technology Engineering*

Study of solidification behaviour and mechanical properties of arc stud welded AISI 316L stainless steel *Journal of Achievements in Materials and Manufacturing Engineering*

Effect of Bismuth Addition on Physical Properties of Sn-Zn Lead-Free Solder Alloy *Journal of Electronic Materials*

Effect of Nickel Powder Buffering Layer on Microstructure and Hardness Properties of High Carbon Steel / Stainless Steel Arc Stud Welding *Materials Research*

Ring-like laser spot welding of Ti grade2 to AAl3105-O using AlSiMg filler metal *Optik*

Pulsed Nd: YAG laser dissimilar welding of Ti/Al3105 alloys *Scientia Iranica*

Analysis and Microhardness Profile of Hot Dipping Coating on Low-Alloy Steel *Surface Review and Letters*

Evaluation of the Mechanical Characteristics of Hybrid Nanocomposite Materials (TiO2-SiO2-ZrO2) *IOP Conference Series: Materials Science and Engineering*

CO2 laser spot welding of thin sheets AISI 321 austenitic stainless steel *Archives of Materials Science and Engineering*

Hole Characteristic of CO2 Laser Drilling of Poly- Methyl Methacrylate PMMA *Journal of Mechanical Engineering Research and Developments*

Effect of Heat Treatment on the Microstructure and Property of Aerospace Punch Dies *Metallography, Microstructure, and Analysis*

Investigation the effect of cutting parameters on surface roughness in drilling operation of steel fe360.b *2018 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies*

**FOR MORE INFORMATION VISIT THE FOLLOWING LINKS OF SOCIAL AND SCIENTIFIC MEDIA**

**Google Scholar** https://scholar.google.com/citations?user=DmScz9gAAAAJ

**Research Gate** https://www.researchgate.net/