

• البحوث المنشورة للدكتور (أ.م.د أحمد صاحب مهدي):

Peper No.	Title	Authors	Journal
1	<p>نمذجة نمو شقوق الكلال القصيره والطويله للفولاذ الإنشائي DIN ST 52-3 MODELING OF SHORT AND LONG FATIGUE CRACKS GROWTH FOR STRUCTURAL STEEL (DIN ST 52-3)</p>	أحمد صاحب مهدي	مجلة التقني
2	<p>اختيار الظروف المثلى لعملية اللحام الاحتكاكي لملمحومات من فولاذ متوسط الكاربون وفولاذ السرعة العاليه</p>	أحمد صاحب مهدي	مجلة التقني
3	<p>EFFECT OF COMPACTION PRESSURE ON MECHANICAL PROPERTIES OF ALUMINIUM PARTICLE SIZES AA6061 THROUGH POWDER METALLURGICAL PROCESS</p>	Ahmed Sahib Mahdi, Mohammad Sukri Mustapa, Mohammad Amry lajis, and Mohd Warikh Abd Rashid	(ARPN Journal of Engineering and Applied Sciences)
4	<p>The effect of cold compacting parameters for producing recycles Aluminum by milling process</p>	Ahmed Sahib Mahdi, Mohammad Sukri Mustapa, Mohammad Amry lajis, and Mohd Warikh Abd Rashid	(ARPN Journal of Engineering and Applied Sciences)
5	<p>Effect of Compaction Pressure on Physical Properties of Milled Aluminum Chip (AA6061)</p>	Ahmed Sahib Mahdi, Mohammad Sukri Mustapa, Mohammad Amry lajis, and Mohd Warikh Abd Rashid	International Journal of Science and Research (IJSR)
6	<p>EFFECT OF HOLDING TIME ON MECHANICAL PROPERTIES OF RECYCLING ALUMINIUM ALLOY AA6061</p>	Ahmed Sahib Mahdi, Mohammad Sukri Mustapa, Mohammad Amry lajis, and Mohd	International Journal of Mechanical Engineering and Technology (IJMET)

	THROUGH BALL MILL PROCESS	Warikh Abd Rashid	
7	EFFECT OF SINTERING TEMPERATURE ON COMPRESSION STRENGTH AND MICROHARDNESS OF RECYCLING ALUMINIUM ALLOY AA6061 THROUGH BALL MILL PROCESS	Ahmed Sahib Mahdi, Mohammad Sukri Mustapa, Mohammad Amry Iajis, and Mohd Warikh Abd Rashid	ARPJ Journal of Engineering and Applied Sciences
8	Study Of Physical Properties Of Recycling Aluminium Chip (AA6061) On Holding Time Through The Milling Process	Mohd Sukri Mustapa, Ahmed Sahib Mahdi, Mohd Amri Iajis, Mohd Warikh Abd Rashid	International Journal Of Modern Engineering Research (IJMER)
9	Physical Properties of Recycling Milled Aluminium Chip (AA6061) for Various Sintering Temperature	Mohd Sukri Mustapa, Ahmed Sahib Mahdi, Mohd Amri Iajis, Mohd Warikh Abd Rashid	International Journal of Mechanical and Industrial Technology
10	MICRO-HARDNESS AND COMPRESSION STRENGTH OF PARTICLE SIZES RECYCLING ALUMINIUM ALLOY AA6061 USING POWDER METALLURGY METHOD	Ahmed S. Mahdi , Mohd S. Mustapa , Abdul L. M. Tobi and I. Zaman	Engineering Design and Analysis & Materials Science & Engineering
11	Compression Strength and Microhardness of Recycling Milled Aluminium (AA6061) for Various Binder	Ahmed Sahib Mahdi, Mohammad Sukri Mustapa, Mohammad Amry Iajis, and Mohd Warikh Abd Rashid	International Journal of Mechanical and Industrial Technology
12	HEAT TREATMENT FOR AN RECYCLING ALUMINUM AA6061 USING MILLING PROCESS AT VARIOUS HOLDING AGING TIME	<i>Ahmed Sahib Mahdi , Mohd Sukri Mustapa , Noradila Abdul Latif , Muhammad Irfan Ab Kadir5, Mohd Arif Samsi</i>	International Journal of Engineering and Technology (IJET)
13	Microstructural and Physical Characteristics of Recycling Aluminium Chips AA6061/Al Powder Using Powder Metallurgy	Muhammad Irfan Ab Kadir, Mohammad Sukri Mustapa,, Waluyo	International Journal of Engineering and Technology (IJET)

		Adi Siswanto, Ahmed Sahib Mahdi, Mohd Arif Samsi	
14	The Effect of Aging on Physical Characteristics of Recycled AA6061 Aluminium Chips	Mohd Arif Samsi, Mohammad Sukri Mustapa,, Nur Azam Badarulzaman, Ahmed Sahib Mahdi, Muhammad Irfan Ab Kadir	International Journal of Engineering and Technology (IJET)
15	Dry sliding wear behavior of the reinforced by Graphite particle and heat treated of recycled Aluminum AA6061 Based MMC fabricated by powder metallurgy method	Ahmed Sahib Mahdi, Mohd Sukri Mustapa, Mahmud Abd Hakim Mohamad, Abdul L. M. Tobi, Muhammad Irfan Ab Kadir, Mohd Arif Samsi	Material science and Engineering
16	OPTIMIZATION OF THE MILLING SPEED FOR AN RECYCLING AA6061 ALLOY TO PRODUCE SMALL PARTICLE SIZE	A. S. Mahdi , M. S. Mustapa, A. L. M. Tobi, M. W.A. Rashid	Science international Lahore ISI Journal
17	Evaluation of hardness strength and microstructures of recycled Al chip and powder AA6061 fabricated by cold compaction method.	M. I. A. Kadir, M. S. Mustapa, <b>A. S. Mahdi</b> , S. Kuddus, and M. A. Samsi	IOP Conf. Series: Materials Science and Engineering 165
18	abrasive wear of heated treatment recycling aluminium AA6061 of various reinforcement materials through powder metallurgical process.	<b>Ahmed Sahib Mahdi</b> , Mohd Sukri Mustapa, Abdul Latif Mohd Tobi, Mohd warikh abd Rashid	2017 5th Asia Conference on Mechanical and Materials Engineering (ACMME 2017) University of Tokyo, Japan, June 9-11, 2017
19	Microstructural Analysis and Mechanical Properties of Direct Recycling Aluminium Chips AA6061/Al Powder Fabricated by Uniaxial Cold Compaction Technique	Muhammad Irfan Ab Kadira, Mohammad Sukri Mustapaa,* Noradila Abdul Latifa, <b>Ahmed Sahib Mahdi</b>	Science direct 2017
20	FATIGUE BEHAVIOR AND SOME	<b>Ahmed Sahib Mahdi</b>	International Journal of Mechanical Engineering and

	MECHANICAL PROPERTIES OF ALUMINUM T3 SHEETS WELDED -2024 USING FRICTION STIR WELDING METHOD		Technology (IJMET) 2018
21	Water absorption and fatigue life of an Epoxy composite reinforced by glass fiber	<b>Ahmed Sahib Mahdi</b>	International Conference on Materials Engineering and Science 2018
22	The physical properties of the addition of reinforcement metals of Aluminum and silica micro particles with unsaturated composite materials	Najah Rustum Mohsin <sup>1,3</sup> , Ahmed Sahib Mahdi <sup>1,4</sup> , Ayad abdul ameer abdul hussein <sup>1,5</sup> , Mohammad Sukri Mustap	مؤتمر الجامعة التقنية الجنوبية
23	<b>Physical properties of various volume fractions of recycling aluminum 2024-T3 with silicon carbide material fabricated by cold compaction method</b>	AHMED SAHIB MAHDI	انعقاد المؤتمر في اميركا AIP conference America
24	Impact of the Manufacturing Process on the Flexural Properties of Laminated Composite-Metal Riveted Joints: Experimental and Numerical Studies	Afshin Zeinedini Yazdan Hosseini Ahmed Sahib Mahdi Alireza Akhavan-Safar Lucas F. M. da Silva	Applied Composite Materials <a href="https://doi.org/10.1007/s10443-023-10186-w">https://doi.org/10.1007/s10443-023-10186-w</a>
25	The effect of temperature on the spherical nanoparticles debonding	Afshin Zeinedini <sup>a,*</sup> , Ahmed Sahib Mahdi <sup>b</sup>	Composites Part A

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26	Energy dissipated by spherical nanoparticles debonding in nanocomposites under cryogenic and steady state conditions	Afshin Zeinedini Ahmed Sahib Mahdi	Cryogenics