

## faculty research of the power mechanics Department 2024-2025

URL Link	year	Name Magazine	Research Title	Name	No.
	2023	AIP Conf. Proc	Paper on Comparisons of Laser Spot Welding With Manual Arc Welding for 304 Stainless Steel	Abbas Allawi Abbas	1
<a href="https://www.iieta.org/journals/ijdne/paper/10.18280/ijdne.170606">https://www.iieta.org/journals/ijdne/paper/10.18280/ijdne.170606</a>	2022	International Journal of Design & Nature and Ecodynamics	Analytical Investigation of Biodiesel Mixed Levels and Operation Factors' Effects on Engine Performance by RCM	Ameer Hassan Al-Mamoori	2
<a href="https://www.iieta.org/journals/i2m/paper/10.18280/i2m.210402">https://www.iieta.org/journals/i2m/paper/10.18280/i2m.210402</a>	2022	Instrumentation Mesure Métrologie	Experimental and Numerical Study of Different Methods' Effects on Lubricant Flow on Temperatures and Strains of Turning Cutting Tool (HSS)	Maher Ali Hussein	3
<a href="http://journals.uran.ua/eejet/article/view/263452">http://journals.uran.ua/eejet/article/view/263452</a>	2022	Eastern-European Journal of Enterprise Technologies	Implementation of finite element analysis for solving the constraints in forming process of large steel parts	Hadi Raheem Ibrahim	4
<a href="https://www.emerald.com/insight/content">https://www.emerald.com/insight/content</a>	2021	Pigment & Resin Technology	Multi-layer polymer beam reinforced by graphene platelets on low velocity impact response	Abbas Allawi Abbas	5
<a href="https://www.scientific.net/DDE.398.147">https://www.scientific.net/DDE.398.147</a>	2020	Defect and Diffusion Forum	Analytical Study of the Effect of NaCl Solution on Fatigue Resistance of Rotating Shafts	Sabah Hatam Obaid	6
<a href="https://jmerd.net/03-2020-321-331/">https://jmerd.net/03-2020-321-331/</a>	2020	Journal of Mechanical Engineering Research and Developments	Modelling And Finite Element Analysis For The Engine Cylinder Head Under Nonlinear Dynamic Thermal Mechanical Loading	Tawfeeq Naji Hussein	7
<a href="https://iopscience.iop.org/article/10.1088/1757-899X/557/1/012078">https://iopscience.iop.org/article/10.1088/1757-899X/557/1/012078</a>	2019	IOP Conference Series: Materials Science and Engineering	Studies on The Steel Reinforcement Performance in Presence of NaCl: Effects of Salt Concentration and Temperature	Sabah Hatam Obaid	8
<a href="https://-content/uploads/2021/01/%D8">https://-content/uploads/2021/01/%D8</a>	2018	Journal of Advanced Research in Dynamical and Control Systems	Enhancement the Mechanical Properties of the Deep Drawing Products through Intelligence Design and Finite Element Analysis	Maher Ali Hussein	9
<a href="https://www.ijens.org/IJMMEVol18Issue03.html">https://www.ijens.org/IJMMEVol18Issue03.html</a>	2018	International Journal of Mechanical & Mechatronics Engineering	Design Parameters Estimation and Design Sensitivity Analysis in Manufacturing Process of Rubber Pad by Using Finite Element Technique	Abbas Allawi Abbas	10
<a href="https://www.journalofbabylon.com/index.php/JUBES/article/view/1189">https://www.journalofbabylon.com/index.php/JUBES/article/view/1189</a>	2018	Journal of Babylon University/Engineering Sciences	Effect of Interlayer Coating Thickness on the Hardness and Adhesion for the Tungsten Carbide Cutting Tool	Maher Ali Hussein	11
<a href="https://iasj.net/iasj/article/143906">https://iasj.net/iasj/article/143906</a>	2018	The Iraqi Journal For Mechanical And Material Engineering	Analytical Study of Dynamic Shear Strain effect on Shaping tool	Sabah Hatam Obaid	12

<a href="https://www.matec-conferences.org/articles/mateconf">https://www.matec-conferences.org/articles/mateconf</a>	2017	MATEC Web of Conferences 153, 05005 (2018)	Factors to Consider in Selecting an Organisational Improvement Initiative: Survey Results	Maher Ali Hussein	13
<a href="https://alkej.uobaghdad.edu.iq/index.php/alkej/article/view/433">https://alkej.uobaghdad.edu.iq/index.php/alkej/article/view/433</a>	2017	Al-Khwarizmi Engineering Journal	Effect Ti/AlTiN Multilayer Coating on the Crater Wear Process of Cutting Tool and Tribological Properties	Abbas Allawi Abbas	14
<a href="https://www.iasj.net/iasj/article/136033">https://www.iasj.net/iasj/article/136033</a>	2017	The Iraqi Journal For Mechanical And Material Engineering	Analytical Study Of Torsional Vibration Effect On Turning Shafts In Sudden Stop Case	Hadi Raheem Ibrahim	15
<a href="https://www.iasj.net/iasj?func=article&amp;ald=120391">https://www.iasj.net/iasj?func=article&amp;ald=120391</a>	2017	The Iraqi Journal For Mechanical And Material Engineering	The Effect Of Angle Reinforcing Of Composite Material Bars (Polymer) By Cellulose Acetate Fiber On Its Strength For Fatigue Stress	Sabah Hatam Obaid	16