# البحث العلمي/قسم هندسة ادارة الموارد المائية

## 1- البحوث المنشورة في المجلات المفهرسة في Scopus و Web of science والمجلات المحلية لعام 2021-2022.

| ت | اسم الباحث | اسم الباحث باللغة الانكليزية (الاسم المستخدم بالنشر العلمي) | عنوان البحث | اسم المجلة/المؤتمر | تأريخ النشر الشهر/ال سنة | البحث ضمن Scopus | البحث ضمن web of science | البحث ضمن المجلات العلمية العراقية | اسم الباحث الاجنبي المشارك بالبحث ان وجد | هل البحث مسجل في قواعد بيانات منصة البحوث التطبيقية التابعة لدائرة البحث والتطوير | معامل الاقتباس (citation) | رابط البحث في موقع المجلة الالكتروني |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | مناف ذياب فندي | Munaf D.F.Al-Aseebee | Ecofriendly enhancement of engine performance using biofuel palm stearin | Materials Today: Proceeding | 2021 | yes | Yes | no | non | no | | https://doi.org/10.1016/j.matpr.2021.05.558 |
| 2 | مناف ذياب فندي | M.D.F. Al-Aseebee | Influence of rice starch nanocrystals on the film properties of the bionanocomposite edible films produced from native rice starch | Digest Journal of Nanomaterials and Biostructures | 2/6/2021 | yes | Yes | no | J.J.Jayaraj and T.Maridurai | no | 0 | https://chalcogen.ro/697_JayarajJJ.pdf |
| 3 | مناف ذياب فندي | Munaf D.F.Al-Aseebee | PERFORMANCE EVALUATION OF ELECTRO COAGULATION PROCESS FOR THE TREATMENT OF GROUNDWATER | EM International | 5/2/2021 | NO | No | Yes | Non | no | | https://www.researchgate.net/publication/354494505_PERFORMANCE_EVALUATION_OF_ELECTRO_COAGULATION_PROCESS_FOR_THE_TREATMENT_OF_GROUNDWATER |
| 4 | محمد حامد | Mohammed Hamid | Estimation of Uplift Pressure Equation at | CIVIL &ENVIRONMEN | 4/5/2021 | yes | No | no | Nadhir Al-Ansari | no | 1 | https://doi.org/10.1080/233119 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.2021.1917287 | | | | | | | | TAL ENGINEERING | Key Points under Floor of Hydraulic Structures | Rasool | رسول | |
| https://doi.org/10.1016/j.matpr.2021.05.451 | | no | non | no | yes | yes | 3/6/2021 | Materials Today: Proceeding | Utilization of filter for seepage phenomenon reduction under hydraulic structures | Mohammed H. Rasool | محمد حامد رسول | 5 |
| https://doi.org/10.1088/1755-1315/722/1/012002 | | no | non | no | Yes | yes | 2021 | IOP Conference Series: Earth and Environmental Science | The effect of feeding different levels of dandelion leaf powder (Taraxacum officinale) in the diet on the productive and physiological performance of broiler chickens, strain Ross-308. | Ameer Shamkhi Noor | امير شمخي | 6 |
| https://www.researchgate.net/publication/349772422_Mechanical_and_Microstructural_Properties_of_Lime-Treated_Palmdate_Fiber_Cement_Composites_for_Sustainable_Development | 0 | no | non | No | Yes | Yes | 2/2021 | Journal of Green Engineering | Mechanical and Microstructural Properties of Lime-Treated Palmdate Fiber Cement Composites for Sustainable Development | Tholfekar Habeeb Hussain | ذوالفقار حبيب حسين | 7 |
| https://www.researchgate.net/publication/348761468_Surface_Treatment_of_Cement_b | 0 | no | non | No | No | Yes | 22/1/2021 | SCIENCE & TECHNOLOGY | Surface Treatment of Cement based Composites: Nano Coating Technique | Tholfekar Habeeb Hussain | ذوالفقار حبيب حسين | 8 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ased_Composites_Nano_Coating_Technique | | | | | | | | | | | | |
| https://www.researchgate.net/publication/349772422_Mechanical_and_Microstructural_Properties_of_Lime-Treated_Palmdate_Fiber_Cement_Composites_for_Sustainable_Development | 0 | no | non | No | Yes | Yes | 2/2021 | Journal of Green Engineering | Mechanical and Microstructural Properties of Lime-Treated Palmdate Fiber Cement Composites for Sustainable Development | Ayad Saddam Alwan | اياد صدام علوان | 9 |
| https://jmerd.net/Paper/Vol.44,No.3(2021)/122-127.pdf | 0 | no | non | No | Yes | Yes | 2021 | Journal of Mechanical Engineering Research and Developments | Study the Impact of Chromium and Yttrium Oxide on the Mechanical Characteristics of Nial Alloy Used in Aircraft Engines | Ahlam Hamid Jasim | احلام حامد جاسم | 10 |
| https://ui.adsabs.harvard.edu/abs/2021JPhCS1973a2086J/abstract | 0 | no | Mahboubi, Farzad | No | Yes | Yes | 8/2021 | Journal of Physics: Conference Series | Coating Process on Inconel Super alloy Substrates: A Review | Ahlam Hamid Jasim | احلام حامد جاسم | 11 |
| https://www.thedesignengineering.com/index.php/DE/article/view/5734 | | no | Mahboubi, Farzad | No | Yes | Yes | 27/10/2021 | Design Engineering (Toronto) | Characterization of the AlCr Thermal Barrier Coatings for IN 738 Ni-base Super alloys Used in High Temperature | Ahlam Hamid Jasim | احلام حامد جاسم | 12 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Applications | | | |
| https://doi.org/10.2166/wpt.2021.023 | 1 | no | Mohammadtaghi Vakili & Irvan Dahlan | No | Yes | Yes | 11/3/2021 | Water Practice and Technology | Temperature analysis of a novel MAIB reactor during the treatment of wastewater from recycled paper mill | Haider M. Zwain | حيدر محمد نعمة | 13 |
| https://doi.org/10.12911/22998993/131183 | 1 | no | Mohammadtaghi Vakili & Irvan Dahlan | No | Yes | Yes | 1/1/2021 | Journal of Ecological Engineering | Water Quality and Radionuclides Content Assessment of AL-Najaf Sea: Case Study | Haider M. Zwain | حيدر محمد نعمة | 14 |
| https://doi.org/10.12912/27197050/132095 | 4 | no | Nadezda Alekseeva | No | Yes | Yes | 5/1/2021 | Ecological Engineering & Environmental Technology | Characteristics of the MK-40 and MA-40 Membranes for Industrial Wastewater Treatment – A Review | Haider M. Zwain | حيدر محمد نعمة | 15 |
| https://doi.org/10.46754/jssm.2021.06.005 | 0 | no | Non | No | Yes | Yes | 30/6/2021 | JOURNAL OF SUSTAINABILITY SCIENCE AND MANAGEMENT | PHOTOVOLTAIC CELL ELECTRO-FENTON OXIDATION PROCESS FOR TREATMENT OF ORGANIC CONTENT IN METHYL ORANGE WASTEWATER | Haider M. Zwain | حيدر محمد نعمة | 16 |
| http://dx.doi.org/10.24425/aep.2021.139498 | 0 | no | Dahlan, Irvan | No | Yes | yes | 2/12/2021 | Archives of Environmental Protection | Morphology analysis and microbial diversity in novel anaerobic baffled reactor treating recycled paper mill wastewater | Haider M. Zwain | حيدر محمد نعمة | 17 |
| https://doi.org/10.1089/ees.20 | 0 | no | Hamidi Abdul Aziz | No | Yes | yes | 22/7/2021 | Environmental | Treatment of Landfill | Haider M. | حيدر محمد | 18 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0233 | | | &Ahmad Fauzi Mohd Noor | | | | | Engineering Science | Leachate by Heterogeneous Catalytic Ozonation with Granular Faujasite Zeolite | Zwain | نعمة | |
| https://doi.org/10.1088/1742-6596/1973/1/012178 | 1 | no | G I Baziyani | yes | Yes | yes | 5/6/2021 | Journal of Physics: Conference Series | Features of feed concentration and temperature effects on membranes operation in electrodialysis systems – a review | Haider M. Zwain | حيدر محمد نعمة | 19 |
| https://doi.org/10.47836/pjst.29.4.14 | 0 | no | Alekseeva, Nadezda Vyacheslavovna | No | Yes | yes | 29/10/2021 | Pertanika Journal of Science and Technology | Diffusion and osmotic permeability of ion exchange membrane mk-40 using sodium chloride solution | Haider M. Zwain | حيدر محمد نعمة | 20 |
| https://doi.org/10.1016/j.rineng.2021.100307 | 1 | no | Non | No | Yes | yes | 10/2021 | Results in Engineering | Modeling the impacts of climate change and flooding on sanitary sewage system using SWMM simulation: A case study | Haider M. Zwain | حيدر محمد نعمة | 21 |
| **https://rdcu.be/cGpyY** | 0 | no | Nadhir Al-Ansari | No | Yes | yes | 5/6/2021 | *Geotechnical and Geological Engineering* | Fusion Methods and Multi-classifiers to Improve Land Cover Estimation Using Remote Sensing Analysis | Hayder Dibs | حيدر عبد الرزاق | 22 |
| **https://iopscience.iop.org/article/10.1088/1742-** | 0 | no | non | yes | Yes | yes | 27/5/2021 | *Journal of Physics: Conference* | Applying Support Vector Machine Algorithm on Multispectral Remotely | Hayder Dibs | حيدر عبد الرزاق | 23 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **6596/1963/1/012110** | | | | | | | | *Series* | sensed satellite image for Geospatial Analysis | | | |
| https://www.researchgate.net/publication/354555221_Comparative_analysis_of_integrating_and_combining_thermal_TIRS_and_OLI_data_to_superior_change_Detection_using_Geospatial_Techniques | | no | Nadhir Al-Ansari & Mustafa Ridha Mezaal | No | Yes | Yes | 10/2021 | Ecology, Environment and Conservation | Comparative Analysis of Integrating and Combining Thermal TIRS and OLI Data to Superior Change Detection Using Geospatial Techniques | Hayder Dibs | حيدر عبد الرزاق | 24 |
| https://doi.org/10.1002/htj.21984 | 1 | no | Non | No | Yes | Yes | 5/2021 | Heat Transfer | Numerical investigation of natural convection of a non-Newtonian nanofluid in an F-shaped porous cavity | Atheer Saad Hashim | اثير سعد هاشم | 25 |
| https://www.sciencedirect.com/science/article/pii/S258923472100004X | 11 | no | A.A. Abd, M.R. Othman & S.Z. Naji | No | Yes | Yes | 3/2021 | Materials Today Sustainability | Methane enrichment in biogas mixture using pressure swing adsorption: process fundamental and design parameters | Atheer Saad Hashim | اثير سعد هاشم | 26 |
| https://journals.itb.ac.id/index.php/jets/article/view/13380 | 0 | no | Non | No | Yes | Yes | 31/8/2021 | Journal of Engineering and Technological Sciences | Free convection of ag/h2o nanofluid in square cavity with different position and orientation of egg shaped cylinder | Atheer Saad Hashim | اثير سعد هاشم | 27 |
| https://dergipark.org.tr/tr/down | 1 | no | Ghalambaz, | No | No | Yes | 2021 | Journal of Thermal | Multiscale Approach of the Equivalent Thermal | Atheer Saad | اثير سعد هاشم | 28 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| load/article-file/1471225 | | | Mohammad | | | | | Engineering | Conductivity of Modified Foam-Filled and Non-Filled Hollow Brick and a Brick Wall | Hashim | | |
| https://www.researchgate.net/publication/353485180_Environmental_Assessment_of_Groundwater_Quality_for_Irrigation_Purposes_A_Case_Study_Of_Hillah_City_In_Iraq | 0 | no | Hussein A. M. Al-Zubaidi | No | Yes | yes | 7/2021 | Pertanika Journal of Science and Technology | Environmental assessment of groundwater quality for irrigation purposes: A case study of hillah city in iraq | Ahmed Samir | احمد سمير ناجي | 29 |
| https://chalcogen.ro/697_JayarajJJ.pdf | 0 | no | Jayaraj, Jeya Jeevahan & Maridurai, T. | No | Yes | yes | 31/5/2021 | Digest Journal of Nanomaterials and Biostructures | Influence of rice starch nanocrystals on the film properties of the bionanocomposite edible films produced from native rice starch | Ahmed Samir | احمد سمير ناجي | 30 |
| https://doi.org/10.2166/wpt.2021.023 | 1 | no | Mohammadtaghi Vakili & Irvan Dahlan | No | Yes | yes | 11/3/2021 | Water Practice and Technology | Temperature analysis of a novel maib reactor during the treatment of wastewater from recycled paper mill | Ahmed Samir | احمد سمير ناجي | 31 |
| https://www.researchgate.net/publication/349772422_Mechanical_and_Microstructural_Properties_of_Lime-Treated_Palmdate_Fiber_Cement_Composi | 0 | no | non | No | Yes | Yes | 2/2021 | Journal of Green Engineering | Mechanical and microstructural properties of lime-treated palmdate fiber cement composites for sustainable development | Ahmed Samir | احمد سمير ناجي | 32 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| tes_for_Sustainable_Development | | | | | | | | | | | | |
| https://doi.org/10.46754/jssm.2021.06.005 | 0 | no | Non | No | Yes | Yes | 30/6/2021 | Journal of Sustainability Science and Management | Photovoltaic cell electro-fenton oxidation process for treatment of organic content in methyl orange wastewater | Ahmed Samir | احمد سمير ناجي | 33 |
| https://www.researchgate.net/publication/348761468_Surface_Treatment_of_Cement_based_Composites_Nano_Coating_Technique | 0 | no | non | No | Yes | Yes | 22/1/2021 | Pertanika Journal of Science and Technology | Surface treatment of cement based composites: Nano coating technique | Ahmed Samir | احمد سمير ناجي | 34 |
| https://www.researchgate.net/publication/349772109_Eco_Friendly_Enhancement_of_Self-_Compacting_Concrete_Mechanical_Properties_using_Metakaolin_and_Nanosilica | 0 | no | Non | No | Yes | Yes | 2/2021 | Journal of Green Engineering | Eco friendly enhancement of self-compacting concrete mechanical properties using metakaolin and nanosilica | Ahmed Samir | احمد سمير ناجي | 35 |
| http://www.jgenng.com/wp-content/uploads/2021/2/volume11-issue2-25.pdf | 0 | no | Non | No | Yes | Yes | 2/2021 | Journal of Green Engineering | Utilization of muskingum-cunge method for the inverse routing of shatt al-kufa to regulate flood wave in a stream | Ahmed Samir | احمد سمير ناجي | 36 |
| https://www.tandfonline.com/ | 1 | no | Non | No | Yes | Yes | 25/6/2021 | Cogent Engineering | A Statistical Technique for Modelling Dissolved | Ahmed Samir | احمد سمير | 37 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| doi/full/10.1080/23311916.2021.1875533 | | | | | | | | | Oxygen in Salt Lakes | | ناجي | |
| https://www.researchgate.net/publication/352917669_The_ability_of_using_treated_wastewater_for_irrigation_purposes_middle_Euphrates_of_Iraq_as_a_case_study | | No | Non | No | yes | yes | 6/2021 | *IOP Conf. Series: Earth and Environmental Science* | The ability of using treated wastewater for irrigation purposes: middle Euphrates of Iraq as a case study | Kareem R. Almurshedi | كريم راضي | 38 |
| https://www.researchgate.net/publication/349772101_Utilization_of_Muskingum-Cunge_Method_for_the_Inverse_Routing_of_Shatt_AL-Kufa_to_Regulate_Flood_Wave_in_a_Stream | | No | Non | No | yes | yes | 2/2021 | *Journal of Green Engineering* | Utilization of Muskingum-Cunge Method for the Inverse Routing of Shatt AL-Kufa to Regulate Flood Wave in a Stream | Kareem R. Almurshedi | كريم راضي | 39 |
| https://www.scirp.org/journal/paperinformation.aspx?paperid=113470 | 1 | No | Nadine Nassif | No | yes | yes | 11/2021 | *International Journal of Agricultural and Statistical Sciences* | EFFECT OF IRRIGATION METHODS, TILLAGE SYSTEMS AND SEEDING RATE ON WATER CONSUMPTION, BIOLOGICAL YIELD AND HARVEST INDEX OF WHEAT (TRITICUM AESTIVUM L.) | Alaa M. Akol | علاء مهدي عاكول | 40 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| https://www.scirp.org/journal/paperinformation.aspx?paperid=113470 | | No | Nadine Nassif & Nadhir Al-Ansari | No | yes | yes | 29/11/2022 | Scientific Research Publishing | Effect of Irrigation System, Tillage System, and Seeding Rates on Wheat (Triticum aestivum L.) Growth, Grain Yield and Its Water Consumption and Efficiency | Alaa M. Akol | علاء مهدي عاكول | 41 |
| https://www.sciencedirect.com/science/article/pii/S2352801X21000874 | 4 | no | Nadhir Al-Ansari | No | yes | yes | 25/6/2021 | Groundwater for Sustainable Development | Water quality assessment and phosphorus effect using water quality indices: Euphrates River- Iraq as a case study | Rasha A. Al-husseiny | رشا علي | 42 |
| https://www.sciencedirect.com/science/article/pii/S2214785321057850 | 7 | no | no | No | yes | yes | 2021 | Materials Today: Proceeding | Petroleum and oily wastewater treatment methods: A mini review | Hadeel Kareem Jasim | هديل كريم جاسم | 43 |