1-الاسم الثلاثي واللقب : أ.د. شهلاء اسماعيل ابراهيم الجبوري

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4- الدرجة العلمية: استاذ دكتور

5- البحوث المنشورة:

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| **ت** | **أسم البحث** | **محل النشر** | **السنة** |
| **1** | **Ebrahim Shahlaa E., (1996) – “Leachate Composition from Solidified Industrial Hazardous Wastes”. MSc Thesis, Baghdad University, Baghdad, Iraq.** | **MSc Thesis, Baghdad University, Baghdad, Iraq.** | 1996 |
| **2** | **Leachate Composition from Solidified Industrial Hazardous Waste** | العراق/ مجلة كلية الهندسة | 1997 |
| **3** | **Evaluation of a Mixture Adsorbent and Glass Bed for the Removal of Phenol and Methylen Blue from Water** | **PhD Thesis, Baghdad University, Baghdad Iraq.** | 2008 |
| **4** | **Increasing the adsorption Surface Area of Activated carbon**  **Surface Area of Activated carbon Surface Area of Activated carbon** | العراق/ مجلة كلية الهندسة | 2008 |
| **5** | **Saving Amberlite XAD4 by using Inert Material in adsorption process.** | الولايات المتحدة | 2010 |
| **6** | **Removal of lead, cadmium, and mercury ions using biosorption** | الولايات المتحدة | 2010 |
| **7** | **Utilization of Thomas model to predict the breakthrough curves for adsorption and ion exchange** | العراق/مجلة الهندسة | 2011 |
| **8** | **Modelling the Removal of Phenol by Natural Zeolite in Batch and Continuous System** | العراق/مجلة جامعة بابل | 2013 |
| **9** | **Evaluation of Adsorbents for Removal of Phenol and Methylene Blue from Wastewater** | تركيا | 2011 |
| **10** | **Saving Activated Carbon by Using Inert Material in Adsorption Process** | تركيا | 2012 |
| **11** | **Optimum water allocation for Abu-Ziriq marsh ecological system** | العراق/ مجلة كلية الهندسة | 2012 |
| **12** | **Competitive biosorption of Pb(II), Cr(II), and Cd(II) ions in single component system by live and dead anaerobic biomass, batch study** | العراق/ مجلة كلية الهندسة | 2013 |
| **13** | **Equilibrium, kinetic, and thermodynamic biosorption of Pb(II), Cr(III), and Cd(II) ions by dead anaerobic biomass from synthetic wastewater** | دار سبرنكلر للنشر | 2012 |
| **14** | **Removal of cadmium ions from simulated wastewater using rice husk biosorbent** | العراق/ مجلة كلية الهندسة | 2012 |
| **15** | **Floatation and Sorptive-Floatation methods for removal of lead ions from wastewater using SDS as surfactants and barley husk as biosorbent** | مؤسسة هنداوي للنشر | 2013 |
| **16** | **Competitive biosorption of Pb(II), Cr(II), Cd(II) from synthetic wastewater heterogeneous anaerobic biomass in single, binary, and ternary batch systems** | بريطانيا | 2013 |
| **17** | |  | | --- | | **Performance of Biomass Adsorber Column for Competitive Removal Pb(II), Cr(III) and Cd(II) ions from Synthetic Wastewater** | |  | |  | | الهند | 2013 |
| **18** | **Decolourization of Reactive Read Dye in Simulated Wastewater by Advanced Oxidation Process** | العراق/ مجلة اتحاد الجامعات العربية | 2014 |
| **19** | **Use of Cork Stoppers to Remove Lead Ions from Wastewater Using Batch and Inverse Fluidized Bed"** | العراق/ مجلة اتحاد الجامعات العربية | 2015 |
| **20** | **Competitive removal of Cu2+, Cd2+, Zn2+, and Ni2+ ions onto iron oxide nanoparticles from wastewater** | الولايات المتحدة | 2016 |
| **21** | **Bisorption of Heavy Metals onto Two Types of Fungi Biomass in Batch Experiments** | العراق/ مجلة اتحاد الجامعات العربية | 2016 |
| **22** | **Toxicity Leaching Characteristics of Cement Based Stabilized/ Solidified Sands Contaminated with Heavy Metals** | العراق/ مجلة اتحاد الجامعات العربية | 2016 |
| **23** | **Removal of Acid Blue Dye from Industrial Wastewater by Using Reverse Osmosis Technology** | العراق/ مجلة اتحاد الجامعات العربية | 2016 |
| **24** | **Using Green and Blue-green Algae in a Liquid Fluidized Bed Reactor** | العراق/ مجلة كلية الهندسة | 2016 |
| **25** | **PREDICTION THE BREAKTHROUGH CURVES OF LEAD IONS BIOSORPTION IN FLUIDIZED BED REACTOR USING ARTIFICIAL NEURAL NETWORK** | الولايات المتحدة  THE JOURNAL OF  SOLID WASTE TECHNOLOGY  AND MANAGEMENT | 2018 |
| **26** | **Biomineralization based remediation of cadmium and nickel**  **contaminated wastewater by ureolytic bacteria isolated from barn horses soil** | الولايات المتحدة  Environmental technology and innovation | 2019 |

6- الاتجاهات البحثية: الهندسة البيئية , معالجة النفايات الخطرة , تلوث المياه

7- كتب ومؤلفات:

|  |  |  |
| --- | --- | --- |
| **ت** | **أسم الكتاب** | **سنة النشر** |
| 1 | **Removal of Cadmium from Simulated Wastewater Using Biosorption, LAMBERT Academic Publishing**  **(تاليف)** | 2013 |

8- رسائل الماجستير واطاريح الدكتوراه

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| --- | --- | --- | --- |
| **ت** | **اسم الأطروحة أو الرسالة** | **القســـم** | **السنــة** |
| 1 | Optimum Water Allocation for Al-Nasyriah Marshes Ecological Restoration (MSc)Al-Nasyriah Marshes Ecological Restoration (MSc) | الهندسة البيئية)ماجستير) | 2010 |
| 2 | Competitive Biosorption of Heavy Metals Using Expanded Granular Sludge Bed Reactor (PhD). | الهندسة البيئية(دكتوراه) | 2010 |
| 3 | Removal of heavy metals usingfluidized bed by bio-adsorbents | الهندسة البيئية ( ماجستير) | 2011 |
| 4 | Comparison between fixed and fluidized bed for the removal ofheavy metals using biosorbents | الهندسة البيئية ( ماجستير) | 2012 |
| 5 | Removal of Dyes Using Advanced Oxidation | الهندسة البيئية(دكتوراه) | 2013 |
| 6 | Competitive Removal of Heavy Metals by Nanosorbent and Biomass | الهندسة البيئية(دكتوراه) | 2013 |
| 7 | Recycling natural insulators to remove heavy metals using inverse fluidized bed | الهندسة البيئية ( ماجستير) | 2013 |
| 8 | Competitive Removal of Heavy Metals by Tow Types of Fungi Biomass | الهندسة البيئية (دكتوراه) | 2014 |
| 9 | Noise Pollution Assessment and Control in Selected Locations in Baghdad. | الهندسة البيئية (ماجستير) | 2015 |
| 10 | Removal of Micro-pollutant from Industrial Wastewater Using Membrane Technology | الهندسة البيئية (دكتوراه) | 2016 |
| 11 | * Experimental and theoretical studies of heavy metals leachate from solidified cementouse materials (PhD) | الهندسة البيئية (دكتوراه) | 2016 |
| 12 | * Removal of Pharmaceutical Hazardous Waste by Advanced Oxidation Process | الهندسة البيئية (دكتوراه) | 2016 |
| 13 | * Removal of Organic Pollutants by Hydrophobic Materials Using Inverse Fluidized Bed | الهندسة البيئية (ماجستير) | 2016 |