



# Jasim Mohammed Salman

جاسم محمد سلمان حمادي الشمري

Professor

## PROFILE

Jasim m. Salman

Professor -Environmental Biology Director

Institution and department

University of Babylon Department of Biology

Skills

Freshwater Ecology · Water Quality · Aquatic Ecology

## ACADEMIC TITLES

2015-03-15 Professor

## GRADUATE SUPERVISION

Application Of Immobilized Algae For Detoxification Of Some Medical Waste In Selected Species Of Molluscs

Zahraa Hussan Abaid (2023)

## ADMINISTRATIVE POSITIONS

2010-06-10 - 2011-02-11 coordinator of Biology Department

2011-12-11 - 2017-02-03 Director of Environmental Research Center

2017-10-03 - 2018-06-11 Director of Department of Scientific affair

2018-11-22 - Present Director of Environmental Research Center

## INTERNATIONAL MEMBERSHIPS

- Environmental Association of America esa
- Iraqi association of biology

## PUBLICATIONS ( 2 5 7 )

1. Sustainable Removal of Heavy Metals from Aqueous Solutions Using Untreated Cellulose from Office Paper Waste Based on the Circular Economy Approach  
*Advanced Materials Research 1186, 169-178, 2026 | 2026*
2. Enhancement of *Chlorella vulgaris* bioethanol production by optimizing phosphorus concentrations  
*Journal of Ecological Engineering 26 (7), 321-328, 2025 | 2025*
3. Impact of cadmium on some physiological and biochemical properties in green algae *Scenedesmus quadricauda*  
*E3S Web of Conferences 633, 01011, 2025 | 2025*

## CONTACT

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## EDUCATION

دكتوراه (30-05-2006)

Ecology and Pollution

University of Babylon

## RESEARCH METRICS

h-index (Scopus)	13
h-index (GS)	20
Citations (Scopus)	599
Citations (GS)	1476
Documents (Scopus)	45
Documents (GS)	147

## PATENTS

- Novel treatment method of toxic ANTHRACIN in water
- Isolated reactive chemical compounds from cyanobacterial algae against som microorganisms
- Biodeasil production from cyanobacteria -*Spirogera* by wastewat as safety and low cost media and low cost
- Indused some green algae to growth by good biomass to bioethanol production

## RESEARCH INTERESTS

- Ecology and pollution of water- Biodiversity-Bioenergy
- Climate change



4. **L-Cysteine Functionalized Fe<sub>3</sub>O<sub>4</sub> Nanoparticles for Selective Recovery of Au (III) from Aqueous Solutions**  
*Journal of Water and Environmental Nanotechnology*, e731326, 2025 | 2025
5. **Effect of Crude Oil on Seeds Germination, Some Morphological Parameters and Accumulation of Gossypium hirsutum and Zea mays**  
*Journal of University of Babylon for Pure and Applied Sciences*, 143-149, 2025 | 2025
6. **Enhancement of Chlorella vulgaris bioethanol production by optimizing phosphorus concentrations.**  
*Journal of Ecological Engineering* 26 (7), 2025 | 2025
7. **Utilization of Immobilized Green Algae Scenedesmus quadricauda as A Sustainable Method to Remove Some Industrial Textile Dyes**  
*Diyala Agricultural Sciences Journal* 17 (1), 30-45, 2025 | 2025
8. **Evaluation of the Analgesic Effect of Adding Neostigmine to Lidocaine in Intravenous Regional Anesthesia for Carpal Tunnel Syndrome Surgery**  
*Cureus* 17 (6), 2025 | 2025
9. **Potential Efficiency of Green Algae Scenedesmus quadricauda in Bioremediation of Polycyclic Aromatic Hydrocarbon, Benzo [a] Pyrene (BaP)**  
*Nature Environment and Pollution Technology* 24 (2), 1-12, 2025 | 2025
10. **Using Immobilized Algae (Scenedesmus quadricauda) to Reduce Copper Element Toxicity in Common Carp Fish (Cyprinus carpio)**  
*Nature Environment and Pollution Technology* 24 (1), 1-9, 2025 | 2025
11. **DO ROBOTIC AND AI TECHNOLOGIES IMPROVE OUTCOMES IN ORTHOPAEDIC SURGERY OR RAISE COSTS AND LEARNING CURVES?**  
*Basrah Journal of Surgery* 31 (2), 1-4, 2025 | 2025
12. **Effect of additional titanium diboride on characteristic of Ti-24Nb-4Zr-8Sn alloy**  
*Advances in Science and Technology. Research Journal* 19 (6), 2025 | 2025
13. **Potential efficiency of algae and bacteria in bioremoval of toxic industrial dyes: A review**  
*Environ. J* 8 (2), 35-50, 2025 | 2025
14. **Impact of cadmium on some physiological and biochemical properties in green algae Scenedesmus quadricauda**  
*E3S Web of Conferences* 633, 01011, 2025 | 2025
15. **Bioremoval of Heavy Metals in Water by Algal Biotechnology: A Review.**  
*Pakistan Journal of Life & Social Sciences* 22 (2), 2024 | 2024
16. **Biosynthesis of silver nano particles (AgNPs) from blue green algae (Arthrospira platensis) and their anti-pathogenic applications**  
*Journal of King Saud University-Science* 36 (7), 103264, 2024 | 2024 | Cited: 18
17. **The role of Chlorella vulgaris in reducing some pharmaceutical wastes toxicity in clam Pseudodontopsis euphraticus**  
*Baghdad Science Journal* 21 (2), 21, 2024 | 2024 | Cited: 4
18. **Identification of some biochemical indicators to indicate the contamination of some fish farms in Hilla city/Iraq**  
*Baghdad Science Journal* 21 (12), 11, 2024 | 2024 | Cited: 1
19. **The Role of Chlorella vulgaris in Reducing Some Pharmaceutical Wastes Toxicity in Clam Pseudodontopsis euphraticus**  
*Baghdad Science Journal* 21 (2), 0289-0289, 2024 | 2024 | Cited: 2
20. **Influence of Fe<sup>2+</sup> on the biomass, pigments, and essential fatty acids of Arthrospira platensis**  
*Biomass Conversion and Biorefinery* 14 (1), 621-629, 2024 | 2024 | Cited: 20
21. **Removal Efficiency of Synthetic Toxic Dye from Water and Waste Water Using Immobilized Green Algae—Bioremediation with Multi Environment Conditions**  
*Ecological Engineering & Environmental Technology* 24, 2023 | 2023 | Cited: 6
22. **A histological study on the use of immobilized algae as a bioremediators to amoxicillin in Pseudodontopsis euphraticu**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598* 7 (2&nbsp;...), 2023 | 2023

23. **Prospective utilization of boron nitride and beryllium oxide nanotubes for Na, Li, and K-ion batteries: a DFT-based analysis**  
*Journal of Molecular Modeling* 29 (11), 348, 2023 | 2023 | Cited: 14
24. **Cancer mortality-to-incidence ratio among Iraqi citizens: Nine-year National Estimates (2012-2020) and its relation to population growth rate and health expenditure**  
*Qatar Medical Journal* 2023 (4), 38, 2023 | 2023
25. **Removal efficiency of synthetic toxic dye from water and waste water using immobilized green algae: bioremediation with multi environment conditions**  
*Ecological Engineering & Environmental Technology*, 2023 | 2023
26. **The Role of *Chlorella vulgaris* in Reducing Some Pharmaceutical Wastes Toxicity in Clam *Pseudodontopsis euphraticus***  
*Baghdad Science Journal*, <https://dx.doi.org/10.21123/bsj>, 2023 | 2023 | Cited: 1
27. **Adsorption of fluoride on a green adsorbent derived from wastepaper: Kinetic, isotherm and characterisation study**  
*Case Studies in Chemical and Environmental Engineering* 8, 100526, 2023 | 2023 | Cited: 9
28. **Removal Efficiency of Synthetic Toxic Dye from Water and Waste Water Using Immobilized Green Algae: Bioremediation with Multi Environment Conditions**  
*Ecological Engineering & Environmental Technology* 24 (9), 237-248, 2023 | 2023
29. **The Role of *Chlorella vulgaris* in Reducing Some Pharmaceutical Wastes Toxicity in Clam *Pseudodontopsis euphraticus***  
*Baghdad Science Journal*, <https://dx.doi.org/10.21123/bsj>, 2023 | 2023 | Cited: 1
30. **Review on Toxicity and Removal of Pharmaceutical Pollutants Using Immobilised Microalgae**  
*Ecological Engineering & Environmental Technology* 24, 2023 | 2023 | Cited: 14
31. **GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES (AGNPS) FROM BASIL (OCIMUM BASILICUM) SEEDS AND ITS EFFECTS ON WASTEWATER NUTRIENT REMOVAL BY CONSTRUCTED WETLANDS.**  
*Ann. For. Res* 66 (1), 607-620, 2023 | 2023 | Cited: 1
32. **The Role of *Chlorella vulgaris* in Reducing Some Pharmaceutical Wastes Toxicity in Clam *Pseudodontopsis euphraticus***  
*Baghdad Science Journal*, 2023 | 2023 | Cited: 1
33. **Removal Efficiency of Synthetic Toxic Dye from Water and Waste Water Using Immobilized Green Algae-Bioremediation with Multi Environment Conditions.**  
*Ecological Engineering & Environmental Technology (EEET)* 24 (9), 2023 | 2023
34. **Prospective utilization of boron nitride and beryllium oxide nanotubes for Na, Li, and K-ion batteries: a DFT-based analysis**  
*Journal of Molecular Modeling* 29 (11), 1-20, 2023 | 2023
35. **Review on Toxicity and Removal of Pharmaceutical Pollutants Using Immobilised Microalgae.**  
*Ecological Engineering & Environmental Technology (EEET)* 24 (6), 2023 | 2023 | Cited: 1
36. **Adsorption of fluoride on a green adsorbent derived from wastepaper: Kinetic, isotherm and characterisation study**  
*Case Studies in Chemical and Environmental Engineering*, 100526, 2023 | 2023
37. **Cultivation of blue green algae (*Arthrospira platensis* Gomont, 1892) in wastewater for biodiesel production**  
*Chemosphere*, 139107, 2023 | 2023 | Cited: 1
38. **Study on Individuals Susceptible to Latex Products in Iraq**  
*HIV Nursing* 23 (2), 825-827-825-827, 2023 | 2023
39. **Removal efficiency of synthetic toxic dye from water and waste water using immobilized green algae: bioremediation with multi environment conditions**  
*Ecological Engineering & Environmental Technology* 24 (9), 2023 | 2023
40. **COMPARISON OF INTRAMUSCULAR VERSUS INTRAVENOUS KETAMINE FOR SEDATION IN CHILDREN UNDERGOING MAGNETIC RESONANCE IMAGING EXAMINATION**  
*Wiad Lek* 76 (1), 198-204, 2023 | 2023

41. **Environmental assessment of Al-Hillah River pollution at Babil Governorate (Iraq)**  
*Journal of the Geographical Institute "Jovan Cvijic", SASA 73 (1), 1-16, 2023 | 2023 | Cited: 11*
42. **Ketoprofen and aspirin removal by laccase immobilized on date stones**  
*Chemosphere 311, 137133, 2023 | 2023 | Cited: 47*
43. **Influence of magnesium concentrations on the biomass and biochemical variations in the freshwater algae, *Chlorella vulgaris***  
*Heliyon 9 (1), 2023 | 2023 | Cited: 49*
44. **Evaluation of some heavy metals, their fate and transportation in water, sediment, and some biota within Al-Musayyib River, Babylon Governorate, Iraq**  
*Baghdad Science Journal 20 (2), 0436-0436, 2023 | 2023 | Cited: 4*
45. **GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES (AGNPS) FROM BASIL (*OCIMUM BASILICUM*) SEEDS AND ITS EFFECTS ON WASTEWATER NUTRIENT REMOVAL BY CONSTRUCTED WETLANDS.**  
*Ann. For. Res 66 (1), 607-620, 2023 | 2023 | Cited: 1*
46. **A histological study on the use of immobilized algae as a bioremediators to amoxicillin in *Pseudodontopsis euphraticu***  
*Mesopotamian Environment Journal 7 (2), 36-45, 2023 | 2023 | Cited: 2*
47. **Green synthesis and characterization of silver nanoparticles (AgNPs) from basil (*Ocimum basilicum*) seeds and its effects on wastewater nutrient removal by constructed wetlands**  
*Ann. For. Res 66 (1), 607-620, 2023 | 2023 | Cited: 2*
48. **Evaluation of some heavy metals, their fate and transportation in water, sediment, and some biota within AL-Musayyib River, Babylon Governorate, Iraq**  
*Baghdad Science Journal 20 (2), 25, 2023 | 2023 | Cited: 14*
49. **Cultivation of blue green algae (*Arthrospira platensis* Gomont, 1892) in wastewater for biodiesel production**  
*Chemosphere 335, 139107, 2023 | 2023 | Cited: 23*
50. **Green synthesis and characterization of silver nanoparticles (AgNPs) from basil (*Ocimum basilicum*) seeds and its effects on wastewater nutrient removal by constructed wetlands**  
*Ann For Res 66, 607-620, 2023 | 2023 | Cited: 2*
51. **Adsorption. Modeling. Thermodynamic. and kinetic studies of removal of textile-dye using low-cost adsorbents**  
*Int J Drug Deliv Technol 12 (03), 1400-1405, 2022 | 2022 | Cited: 3*
52. **Comprehensive study of heavy metal pollution in surface water of Guntur region of Andhra Pradesh**  
*IOP Conference Series: Earth and Environmental Science 1088 (1), 012016, 2022 | 2022 | Cited: 9*
53. **Molecular markers in molluscs as biomonitoring species**  
*Research Aspects in Biological Science 3, 118-23, 2022 | 2022 | Cited: 7*
54. **Potential efficiency of macroalgae *Cladophora* sp. to remove toxic industrial dye (safranin O) from aqueous solution**  
*AIP Conference Proceedings 2386 (1), 020048, 2022 | 2022 | Cited: 6*
55. **Adsorption, Modeling, Thermodynamic, and Kinetic Studies of Removal of Textile-dye using Low-Cost Adsorbents**  
*International Journal of Drug Delivery Technology 12 (3), 1400-1405, 2022 | 2022 | Cited: 3*
56. **Molecular markers in molluscs as biomonitoring species**  
*Research Aspects in Biological Science 3, 118-23, 2022 | 2022 | Cited: 3*
57. **Comparative adsorption calculations for carbon mono-oxide and hydro cyanide gas molecules interaction with graphene material using density function theory**  
*Egyptian Journal of Chemistry 65 (131), 385-391, 2022 | 2022 | Cited: 6*
58. **Investigation of sensible and latent heat storage system using Iraqi paraffin wax as storage media**  
*AIP Conference Proceedings 2660 (1), 020009, 2022 | 2022 | Cited: 2*
59. **Comprehensive study of heavy metal pollution in surface water of Guntur region of Andhra Pradesh**  
*IOP Conference Series: Earth and Environmental Science 1088 (1), 012016, 2022 | 2022 | Cited: 9*
60. **Algal immobilization as a green technology for domestic wastewater treatment**  
*IOP Conference Series: Earth and Environmental Science 1088 (1), 012005, 2022 | 2022 | Cited: 7*

61. **Minimizing the Fluoride Load in Water Using the Electrocoagulation Method: An Experimental Approach**  
*Environments 9 (3), 38, 2022 | 2022 | Cited: 7*
62. **Potential efficiency of macroalgae *Cladophora* sp. to remove toxic industrial dye (safranin O) from aqueous solution**  
*AIP Conference Proceedings 2386 (1), 2022 | 2022 | Cited: 5*
63. **Enhanced macroporous cationic chitosan hydrogel by freezing and thawing method with superadsorption capacity for anionic dyes**  
*Journal of Polymers and the Environment 30 (9), 3815-3831, 2022 | 2022 | Cited: 27*
64. **Polycyclic aromatic hydrocarbons (PAHs) in urban street dust within three land-uses of Babylon governorate, Iraq: Distribution, sources, and health risk assessment**  
*Journal of King Saud University-Engineering Sciences 34 (4), 231-239, 2022 | 2022 | Cited: 114*
65. **Personal exposure and inhalation doses to PM1 and PM2.5 pollution in Iraq: An examination of four transport modes**  
*Building and Environment 212, 108847, 2022 | 2022 | Cited: 34*
66. **Influence of Fe<sup>2+</sup> on the biomass, pigments, and essential fatty acids of *Arthrospira platensis***  
*Biomass Conversion and Biorefinery, 1-9, 2022 | 2022 | Cited: 10*
67. **Comparative Adsorption Calculations for Carbon Mono-Oxide and Hydro Cyanide Gas Molecules Interaction with Graphene Material Using Density Function Theory**  
*Egyptian Journal of Chemistry 65 (131), 385-391, 2022 | 2022 | Cited: 8*
68. **تحضير إسفلت مؤكسد عراقي جديد باستخدام مضافات محلية**  
*Journal of Madenat Alelem University College 14 (3), 53-59, 2022 | 2022*
69. **Molecular Markers in Molluscs as Biomonitoring Species**  
*Research Aspects in Biological Science Vol. 3, 118-123, 2022 | 2022*
70. **Preparation of new Iraqi paving oxidation asphalt using local additives**  
*JOURNAL OF MADENAT ALELEM COLLEGE 14 (3), 2022 | 2022*
71. **Wooden Disposable Tongue Depressor: Can Facilitate Appropriate Reinforced Laryngeal Mask Insertion? A Randomized Controlled Trial**  
*Medical Journal of the Islamic Republic of Iran 36, 2022 | 2022*
72. **Effect of pH variation on the activity of green algae (*Chlorella Vulgaris*) and bacteria (*Bacillus subtilis*) in remediation of toxic dye (Congo red)**  
*IOP Conference Series: Earth and Environmental Science 779 (1), 012108, 2021 | 2021 | Cited: 3*
73. **Street dust contamination by heavy metals in Babylon governorate, Iraq**  
*Journal of Engineering Science and Technology 16 (1), 455-469, 2021 | 2021 | Cited: 40*
74. **Heavy metal pollution removal from water using a cost-effective bio-adsorbent**  
*IOP Conference Series: Materials Science and Engineering 1058 (1), 012013, 2021 | 2021 | Cited: 3*
75. **BIODIESEL PRODUCTION BY SPIRULINA PLATENSIS UNDER DIFFERENT NaCl CONCENTRATIONS.**  
*Biochemical & Cellular Archives 20 (1), 2020 | 2020 | Cited: 1*
76. **Monitoring lotic ecosystem by the application of water quality index (CCMEWQI)**  
*studies 26 (27), 15, 2020 | 2020 | Cited: 4*
77. **Design and modeling the prosthetic foot from suitable composite materials**  
*American Journal of Engineering and Applied Science 13 (3), 516-522, 2020 | 2020 | Cited: 7*
78. **Monitoring lotic ecosystem by the application of water quality index (CCMEWQI)**  
*Baghdad Science Journal 17 (1), 8, 2020 | 2020 | Cited: 6*
79. **The spectrum of mutations analysis of exons 10 and 17a of CFTR gene in Iraqi patients with cystic fibrosis disease**  
*Biochem Cell Arch 20 (2), 6177-6181, 2020 | 2020 | Cited: 3*
80. **Clinicodemographic Study Of Phenylketonuria (Pku) In Al-Emamain Al-Khadimaiyn Medical City (Rare Disease Unit) Baghdad, Iraq**  
*Health 23, S416, 2020 | 2020 | Cited: 3*
81. **Monitoring lotic ecosystem by the application of water quality index (CCMEWQI)**  
*Baghdad Sciences Journal 17 (1), 23-27, 2020 | 2020 | Cited: 4*

82. **The use of a biological response to different concentrations of nitrates and phosphates in freshwater algae *Chlorella vulgaris* as an indicator of environmental&nbsp;...&nbsp;...**  
*2020*
83. **Isolation and characterization of ellagic acid from Iraqi white flesh pomegranate**  
*Al-Kunooze Scientific Journal 1 (1), 1-9, 2019 | 2019*
84. **Characterization and application of nanotube activated carbon prepared from Iraqi zahdi date seeds**  
*Al-Kunooze Scientific Journal 1 (1), 10-20, 2019 | 2019*
85. **Preparation of mesoporous activated carbon from Iraqi nabk twigs trees for the removal of methylene blue from aqueous solution**  
*Al-Kunooze Scientific Journal 1 (1), 21-33, 2019 | 2019*
86. **Evaluation and Monitoring the Poly Aromatic Hydrocarbons (PAHs) in Tigris River South of Baghdad (IRAQ)**  
*Al-Kunooze Scientific Journal 1 (1), 49-57, 2019 | 2019*
87. **A Study of acute toxicity to pyrethroid insecticide "KARATE" on fresh water alga *Scenedesmus quadricauda* (Turb.) Bereb.**  
*2019, (2) مجلة علوم ذي قار 2 | 2019*
88. **Effect of temperature variation on the efficacy of *Chlorella vulgaris* in decolorization of Congo red from aqueous solutions**  
*Biochem Cell Arch 19 (2), 4169-4174, 2019 | 2019 | Cited: 17*
89. **Efficiency of green algae *Chlorella vulgaris* in remediation of polycyclic aromatic hydrocarbon (anthracene) from culture media**  
*Baghdad Science Journal 16 (3), 1, 2019 | 2019 | Cited: 8*
90. **Validity of certain bedside tests in predicting difficult endotracheal intubation**  
*Basrah J Surg 25, 22-26, 2019 | 2019 | Cited: 3*
91. **Effect of temperature variation on the efficacy of *Chlorella vulgaris* in decolorization of Congo red from aqueous solutions**  
*Biochemical and Cellular Archives 19 (2), 4169-4174, 2019 | 2019 | Cited: 6*
92. **Distribution of polycyclic aromatic hydrocarbons in water and sediments in the Euphrates River, Iraq**  
*Iraqi Journal of Science, 2572-2582, 2019 | 2019 | Cited: 10*
93. **Production of photosynthesis pigments by *Spirulina platensis* under different NaCl concentrations**  
*Plant Arch 19 (2), 3254-3258, 2019 | 2019 | Cited: 9*
94. **Efficiency of green algae *Chlorella vulgaris* in remediation of polycyclic aromatic hydrocarbon (anthracene) from culture media**  
*Baghdad Science Journal 16 (3), 543-549, 2019 | 2019 | Cited: 4*
95. **Production of photosynthesis pigments by *Spirulina platensis* under different nacl concentrations.**  
*2019 | Cited: 15*
96. **Comparative study of the efficacy of lignocaine and fentanyl after propofol induction in attenuation of hemodynamic changes following laryngoscopy and endotracheal intubation&nbsp;...&nbsp;...**  
*Basrah Journal of Surgery 25 (2), 13-20, 2019 | 2019 | Cited: 2*
97. **Biosorption of Safranin-O from aqueous solution by Nile Rose plant (*Eichhornia crassipes*)**  
*Baghdad Science Journal 15 (1), 0026-0026, 2018 | 2018 | Cited: 9*
98. **Removal of organic matters from domestic wastewater by using adsorption technique**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 4 (4&nbsp;...&nbsp;...), 2018 | 2018 | Cited: 1*
99. **Bioremediation of polycyclic aromatic hydrocarbons polluted soils using augmentation by inoculating with bacteria (*Pseudomonas aeruginosa*) and fungi (*Penicillium expansum*)**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 4 (3&nbsp;...&nbsp;...), 2018 | 2018 | Cited: 2*
100. **A comparative efficiency study of two adsorbent materials to remove eosin Y dye from aqueous solutions**  
*Baghdad Science Journal 15 (4), 0387-0387, 2018 | 2018 | Cited: 6*

101. **Qualitative and quantitative study of epipelion algal community in Euphrates River (Al-Hussainya), Karbala Province-Iraq**  
*Int. J. of Aquatic Science 9 (1), 30-37, 2018 | 2018 | Cited: 8*
102. **Biosorption of Safranin-O from aqueous solution by Nile Rose plant (Eichhornia crassipes)**  
*Baghdad Science Journal 15 (1), 5, 2018 | 2018 | Cited: 9*
103. **Qualitative and quantitative study of epipelion algal community in Euphrates River (Al-Hussainya), Karbala Province-Iraq**  
*Int. J. Aqu. Sci 9 (1), 30-7, 2018 | 2018 | Cited: 7*
104. **A comparative efficiency study of two adsorbent materials to remove eosin Y dye from aqueous solutions**  
*Baghdad Science Journal 15 (4), 3, 2018 | 2018 | Cited: 5*
105. **Community structure of benthic algae in a lotic ecosystem, Karbala Province-Iraq**  
*Baghdad Science Journal 14 (4), 6, 2017 | 2017 | Cited: 15*
106. **Biosorption of Sifranin-O dye from aqueous solutions by using the shells of Carbicula flumina**  
*Mesopotamia Environmental Journal 3 (3), 25-29, 2017 | 2017 | Cited: 2*
107. **Practical methods in environmental and pollution laboratory**  
*Environmental Research and Studies Center, University of Babylon, Iraq 144, 2017 | 2017 | Cited: 19*
108. **The use of grinded white kidney beans to remove the congo-red dye from aqueous solutions by adsorption**  
*Meso. Environ. J. 3, 35-39, 2017 | 2017 | Cited: 1*
109. **Equilibrium, isotherms and thermodynamic studies of congo red adsorption onto Ceratophyllum Demersum**  
*Indian Journal of Chemical Technology (IJCT) 24 (1), 82-87, 2017 | 2017 | Cited: 10*
110. **Community structure of benthic algae in a lotic ecosystem, Karbala Province-Iraq**  
*Baghdad Science Journal 14 (4), 0692-0692, 2017 | 2017 | Cited: 12*
111. **Practical methods in environmental and pollution laboratory**  
*Environmental Research and Studies Center, University of Babylon, Iraq, 144, 2017 | 2017 | Cited: 19*
112. **Biosorption of Sifranin-O dye from aqueous solutions by using the shells of Carbicula flumina**  
*Mesopotamia Environmental Journal 3 (3), 25-29, 2017 | 2017 | Cited: 2*
113. **jasimsalman@uobabylon.edu.iq**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 3 (3&nbsp;..., 2017 | 2017*
114. **The use of grinded white kidney beans to remove the congo-red dye from aqueous solutions by adsorption**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 3 (2&nbsp;..., 2017 | 2017 | Cited: 1*
115. **Biosorption of Sifranin-O dye from aqueous solutions by using the shells of Carbicula flumina**  
*Mesopotamia Environmental Journal 3 (3), 2017 | 2017 | Cited: 1*
116. **Bioremediation of polycyclic aromatic hydrocarbons by using Zea mays and inoculating with bacteria (Pseudomonas aeruginosa) and fungi (Penicillium expansum)**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 3 (3&nbsp;..., 2017 | 2017 | Cited: 2*
117. **A study of some environmental biomarkers in fresh water clam (Unio tigridis) and fresh water crab (Sesarma boulengeri) in Hilla river**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 3 (1&nbsp;..., 2016 | 2016 | Cited: 1*
118. **A study of some environmental biomarkers in fresh water clam (Unio tigridis) and fresh water crab (Sesarma boulengeri) in Hilla river**  
*Mesopotamia Environmental, 2016 | 2016 | Cited: 2*
119. **Removal of Congo red dye from aqueous solution using a new adsorbent surface developed from aquatic plant (Phragmites australis)**  
*International Journal of ChemTech Research 9 (4), 334-342, 2016 | 2016 | Cited: 62*
120. **Effect of pesticide Glyphosate on some biochemical features in cyanophyta algae Oscillatoria limnetica**  
*International Journal of PharmTech Research 9 (8), 355-365, 2016 | 2016 | Cited: 42*

121. **Effect of phosphorus concentration and light intensity on protein content of microalga *Chlorella vulgaris***  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 2 (2&nbsp;... 2016 | 2016 | Cited: 14*
122. **Polycyclic aromatic hydrocarbon (PAHs) concentrations in some aquatic macrophytes in Hilla river, Iraq**  
*Journal of Environmental Protection 7 (2), 198-211, 2016 | 2016 | Cited: 10*
123. **Activity of cynophyta algal extracts (*Anabaena azolla*) against some species of fungi in local habitats**  
*Mesopotamia Environmental Journal (mesop. environ. j) ISSN: 2410-2598 3 (1), 1-9, 2016 | 2016 | Cited: 5*
124. **Experimental study to removal of methylene blue dye from aqueous solution by adsorption on eco-friendly materials**  
*International Journal of ChemTech Research 9 (6), 560-566, 2016 | 2016 | Cited: 8*
125. **Effect of phosphorus concentration and light intensity on protein content of microalga *Chlorella vulgaris***  
*Mesop Environ J 2, 75-86, 2016 | 2016 | Cited: 15*
126. **Polycyclic aromatic hydrocarbon (PAHs) concentrations in some aquatic macrophytes in Hilla River, Iraq**  
*Journal of Environmental Protection 7 (2), 198-211, 2016 | 2016 | Cited: 10*
127. **Activity of cynophyta algal extracts (*Anabaena azolla*) against some species of fungi in local habitats**  
*Mesopotamia Environ. J. 3, 1-9, 2016 | 2016 | Cited: 4*
128. **Aquatic crusteans shell as adsorbents for paraquat pesticide removal from its aqueous solution by thermal activation**  
*Mesop environ J 1 (4), 75-83, 2015 | 2015 | Cited: 10*
129. **Effect of light intensity on biofuel production from green alga *Chlorella vulgaris***  
*International Journal for Sciences and Technology 10 (4), 11-17, 2015 | 2015 | Cited: 3*
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