

CURRICULUM VITAE

Name: Sedik A.K. Al-Hiyaly

Place of work: Environmental Research Center-University of Technology

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Academic Record

- B.Sc. in biology, University of Baghdad, 30/6/1977
- PhD, Environmental Science, University of Liverpool, U.K. 1989.

Science Degrees:

Assist. Prof.

Administrative tasks and assignments:

1. Teaching at the university since October 1990.
2. Course of the Department of biological Sciences / University of Anbar
3. Head of the Department of biological / Anbar University for more than six years.
4. Representative of Anbar University in the provincial council.
5. Member of the sectoral committee for the preparation of materials and teaching vocabulary for the specialization of life sciences in Iraqi universities.
6. Head of Water Research Department / Environmental Research Center - University of Technology.
7. Director of the Environmental Research Center – University of Technology
8. Head of Environmental Pollution Department – Environmental Research Center – University of Technology
9. Head of the Department of Sustainable Development - Environmental Research Center - University of Technology
10. Chairman of the Environmental Impact Assessment Committee at the Environmental Research Center - University of Technology.
11. Member of the following ministerial committees:
 - Committee for the approval and follow-up of new and renewable energy research.

- Committee to approve and follow up the project of rehabilitation and equipping laboratories in units and research centers.
 - Marshes and Wetlands Committee in Iraq within the Ramsar Convention.
 - Member of the Council for Coordination and Environmental Cooperation at the Ministry of Environment.
 - Representative of the Ministry of Higher Education and Scientific Research in the Environmental Outlook Committee at the Ministry of Environment.
 - Committee for approving pioneering research projects - Research and Development Department - Ministry of Higher Education and Scientific Research.
 - Environmental Consultation and Coordination Commission with the Baghdad Provincial Council.
 - Committee for approving the study of PhD in Environmental Engineering / College of Engineering - University of Baghdad.
12. Former member of the editorial board of the thesis journal of environmental sciences.
 13. Candidate of the Ministry of Higher Education and Scientific Research for the Environmental Arbitration Committee of the Council of the Arab League.
 14. I have accounts in the following scientific sites:
 - Google Scholar h-index 11. Citation 500
 - Semantic Scholar h-index 2
 - Research gate h-index 10. 384
 - Scopus h index 3 citations 14.

Scientific activity:

1. Teaching many biological and environmental subjects in the undergraduate and postgraduate studies in the faculties of education, science and engineering at the universities of Al-Anbar, Baghdad and Technology.
2. Supervising a number of theses of studies (diploma, master, doctorate) in various environmental topics.
3. Chairman of a number of committees to discuss master's students, as well as membership of committees to discuss postgraduate theses (diploma, master's and doctorate).
4. Scientific evaluator for a large number of master's theses and doctoral theses in the disciplines of the environment.
5. Linguistic evaluator for many master's theses and doctoral theses.
6. Scientific evaluator for significant number of Iraqi patents.
7. Scientific evaluator for a number of researches in local and international journals.
8. Evaluation and support of many environmental research and studies.

9. Evaluation and consolidation of a number of scientific promotions
10. Completion and publication of many environmental research and studies.
11. Contracting with the Research and Development Department at the Ministry of Higher Education to implement the following research projects within the Scientists Care Program:
 - Early indicators of the impact of oil residues on those exposed professionally workers.
 - Assessment of heavy elements content in local and imported bottled water.
 - Determination and evaluation of heavy elements in certain types of plant food.
12. Consultant at the Ministry of Environment – Department of Environmental Protection and Improvement in the Central Region.
13. Member of the Committee for Writing the National Strategy for the Protection and Improvement of the Environment 2012-2017 for the governorates of Baghdad, Anbar and Diyala.
14. Head of a working group to prepare about 200 reports in environmental impact studies for various development projects health, industrial, agricultural, service and others.
15. Scientific contributions and participation in many scientific activities (conferences, seminars, seminars) in scientific and engineering institutions inside and outside Iraq
16. Establishing a number of rehabilitation courses for employees of state departments in the sectors of environment, support and environmental, health and occupational safety.
17. Holding a number of environmental workshops.

Researches:

(Research published between 1987 and 2010 was not listed, with three papers published as part of the doctor's thesis, two in the English journal New phytologist, the third was published in the American Journal Heredity, and the rest in local journals.)

Health sustainability: The probable effect of smoking cigarettes on gender percentage. (2023).

1. Environment impact assessment for Al-Rustumiya wastewater treatment plant. (2022).
2. Impacts of Oil Industrial Process upon Occupationally Exposed Workers at Al-Dora Refinery. (2021).
3. Removing of fat residues from domestic kitchen wastewater by synthetic filter of saw dust. (2021).
4. The effect of mixing rice with mung bean in different food meals on postprandial blood glucose level in healthy adults. (2021)

5. Phytoplankton community within Al-Auda marsh in maysan province southern Iraq Phytoplankton community within Al-Auda marsh in maysan province southern Iraq. (2021).
6. Removing Methods of Ultracide Residues in Imported Apple Peels in Iraqi Local Markets. (2021).
7. Quantitative and Qualitative Survey of some Household Solid Wastes Collected from Residential Areas in Baghdad City. (2021).
8. Antilithiatic effect of watermelon (*Citrullus lanatus*) juice on Calcium Oxalate kidney stones. (2021).
9. Examining certain physical variables of both cold and boiled waters in five different cooking pans treated with saline, acidic and saline acidic solutions. (2020).
10. Environmental Impact Assessment of Rusafa Water Project. (2020).
11. Study of ecological characteristics and biodiversity of Al-Auda Marsh in Maysan Province.(2020).
12. Examination of several physiochemical characteristics of well water collected from various wells situated south Baghdad-IRAQ. (2020)
13. Biofortification to sustain wheat (*Triticum aestivum* L.) by Iodine and selenium to enhance grain content of both these two elements and yield. (2020).
14. Examining certain physical variables of both cold and boiled waters in five different cooking pans treated with saline, acidic and saline acidic solutions. (2020)
15. EVALUATION OF CYANOBACTERIA EFFICIENCY IN NUTRIENT REMOVAL FROM AL-RUSTAMIAH WASTEWATER TREATMENT PLANT, SOUTH OF BAGHDAD, IRAQ (2020).
16. BIOFORTIFICATION TO SUSTAIN WHEAT (*TRITICUM AESTIVUM* L.) BY IODINE AND SELENIUM TO ENHANCE GRAIN CONTENT OF BOTH THESE TWO ELEMENTS AND YIELD (2020).
17. Evaluation of the Bacterial Contamination of Well Waters and the Effects of Leaf Plant Extract of *Melia Azedarach* on Such Contamination. (2019).
18. Seasonal Variations of Air Pollutants Concentrations within Baghdad City. (2019).
19. Environmental Impact Assessment of Medical Wastes Shredding Machine in Al-Hila Teaching Hospital-Babylon Province, IRAQ. (2019).
20. Assessment of Health Care Waste Management (HCWM) in Iraq; Effects and Control. (2019).
21. Evaluation Biosorption and Recovery of Zn, Cr And Ni Ions From Industrial Wastewater Using Beads of Banana Peel Powder Constrained by Calcium Alginate. (2019).
22. Heavy Metals Content in Several Imported Rice Crops (*Oryza sativa*) from the Local Markets. (2019).
23. Determination Emitted Gasses from Using Three Types of Woods in Grilling Meats. (2018).

24. Composition structure of fish assemblage in AlAuda marsh southern Iraq. (2018).
25. Environmental impact assessment of the project of army channel Entertainment Park in Baghdad. (2018).
26. Evaluating the Effects of Medical City Wastewater on Water Quality of Tigris River. (2016).
27. A survey on the water fowl community of Al-auda marsh in maysan province southern Iraq. (2016).
29. Composition structure of fish assemblage in Al- Auda marsh southern Iraq. (2015).
28. Examining of Certain Physical and Chemical Variables of Potable Water in Three Types of Home Stored Tanks in Baghdad. (2015).
29. Study of Seasonal variations of Main Outfall Drain and Four Northern Trocars in Iraq. (2014).
30. Seasonal Variations of Some Physio-Chemical Parameters of Al-Auda Marsh in Maysan Province. (2014).
31. Lead Content in Two Vegetable Species Collected from Several Local Markets. (2014).
32. Assessment lead contamination in Aleppo soaps available in Iraqi markets. (2014).
33. The effects of the outlets of Al-Dora power plant on the water quality of Tigris River in Baghdad. (2014).
34. Lettuce Leaves as Biosorbent Material to Remove Heavy Metal ions from Industrial wastewater. (2014).
35. Evaluation of Heavy Metals Content in Local and Imported Bottled Drinking Water. (2014).
36. Investigation Biosorption Potential of Copper and Lead from Industrial Waste-Water Using Orange and Lemon Peels. (2013).
37. Effects of Raw Oil Deposits upon Occupationally Exposed Workers (2013).
38. Pomegranate Peels as Biosorbent Material to Remove Heavy Metal Ions from Industrial Wastewater. (2013).
39. The Removal of Zinc, Chromium and Nickel from Industrial Waste-Water Using Banana Peels. (2013)
40. Determination of Microbial Content in Poultry Meat in Local Iraqi Markets. (2013).
41. Comparative Assessment of Microbial Contamination from Swabs collected within University Facilities (2013).
42. The Removal of Zinc, Chromium and Nickel from Industrial Waste-Water Using Banana Peels. (2013).
43. The Removal of Copper and Lead from Industrial Wastewater Using Citrus Peels. (2012).