

## Academic Biography



**Name:** Fikrat M Hassan

**Educational qualification :** **Specialty:** Aquatic Ecology

ORCID ID: [orcid.org/000-003-2624-505x](https://orcid.org/000-003-2624-505x) Scopus ID: 1447736600

**Research ID:** 8828-2015

**RG:**

[https://www.researchgate.net/profile/Fikrat\\_Hassan?ev=hdr\\_xprf&sg=FFhYSDgTZ1lyWfJweA-xr42eLg6kTtBcLFsVi36zCc8ZSUcUrHH65zDI0RCabEoS](https://www.researchgate.net/profile/Fikrat_Hassan?ev=hdr_xprf&sg=FFhYSDgTZ1lyWfJweA-xr42eLg6kTtBcLFsVi36zCc8ZSUcUrHH65zDI0RCabEoS)

**Email:** [Fikrat@csu.uobaghdad.edu.iq](mailto:Fikrat@csu.uobaghdad.edu.iq)

**Teaching:**

- Undergraduate

No.	Department	Subject	Year
1	Biology	General biology	1989-1993
2	Biology	Algae and Archegoniate	1989-1996
3	Biology	Ecology and Pollution	1993-1996
4	Biology	General botany	2005,2006,2007,2009,2
5	Biology	Algae and Archegoniate	2010, 2011, 2012, 2013, 2014,2015,2016
6	Biology	Botany	2011-2012
7	Biology	Taxonomy and Morphology	2013,2014,2015,2016

- Postgraduate

No.	Department	Subject	Year
1	Civil Engineering	Aquatic ecology	2000-2001
2	Biology	Eco-physiology	2001-2002
3	Biology	Biology of algae	2000-2003
4	Biology	Environmental measurements	2003-2005
5	Biology	Wetlands	2005, 2006, 2007
6	Biology	Eco-physiology	2010-2011
7	Biology	Morphology of algae	2011-2012
8	Biology	Inland water ecology	2011-2012
9	Biology	Phycology	2012-2013
10	Biology	Morphology of algae	2012-2013
11	Biology	Inland water ecology	2012-2013
12	Biology	Ecology of Phytoplankton	2012-2013
13	Biology	Algal culturing	2013/2014
14	Biology	Taxonomy and Morphology	2013/2014,
15	Biology	Inland water Ecology	2014,2015,2016
16	Biology	Environmental Bioindicators	2014,2015,2016
17	Biology	Algal Ecology	2013,2014,2015

**Research interests:**

- Biodiesel
- All Aquatic Ecosystems in Iraq
- Algal Ecology and Aquatic Plants
- Aquatic Pollution

**Publications:**

- Books

No.	Scientific Literature Title	Year of The Publication
1	<a href="#">Biogeochemical Distribution Of Polycyclic Aromatic Hydrocarbons(PAHs) PAHs</a>	2014
2	<a href="#">Checklist of Algal Flora in Iraq</a>	2014
3	Marsh flora of southern Iraq before desiccation	2014

- **Published researches:**

No.	Research Title	Place of Publication	Year
1	Spatial and seasonal variations of phytoplankton population and related environments in Al-Hammar, Marsh, Iraq.	Basrah J. of Sci. 12(1)	1994
2	Effect of sewage system on Ground water quality in Babylon University Complex	Rafiden Engineering J. 2(3)	1994
3	On the seasonal variation of phytoplankton populations in Hilla river ,Iraq.	J. Coll. Educ. For Women, Baghdad 6(2)	1995
4	Effect of water soluble substances of Licorice(Glycyirhiza glabral.) on the growth of Algae and some water properties of the Refinary unit of Babylon University compus .	J.Babylon Univ.1(3)	1996

5	Hydro-chemical evaluation of ground water in Babylon University complex	Al-Mustansiriya J.Sci.6(1)	1996
6	A Limnological study on Hilla River .	Al-Mustansiriya J.Sci.8(1)	1997
7	Effect of injection of Auxin and nutrient solution on growth and yield of broad bean plant.	J. Babylon Univ. 3(3 )	1998
8	Effect of aqueous extracts of Licorice (Glycyirhiza glabral.) and Cinnamome ( Cinnamomum zyLANICUM) on growth characteristics of algae.	J.Babylon Univ. 4( 3 )	1999
9	Effect of vesicular arbuscular mycorrhiza on zea mays plants under four salinity levels	J.Babylon Univ. 6( 3 )	2000
10	On the ecological features of Razazzah lake.	Iraq. National J.Chem. 4	2001
11	Seasonal variations of the physico-chemical characters of Sawa lake, Iraq.	Environmental Research and Sustainable Development 5(2)	2002
12	Limnological features of Diwanyia river, Iraq.	J. of Um-Salama For Science,1(1)	2004
13	Effect of different temperture and light intensity on growth of algae <i>Microcystis aeruginosa</i> .	J. Babylon Univ.,9(3)	2004
14	Effect of cadmium and lead on growth of blue-green algae <i>Microcystis aeruginosa</i> Kutz. In the presence of some plant nutrients.	Proceeding of 2 <sup>nd</sup> .International Conference of Development and	2004
15	Effect of some medicinal plants extracts on the growth of the <u>alga</u> <a href="#">Microcystis aeruginosa (Kuetz.) Elenkin.Iraqi.</a>	Iraqi Journal of Science, 45(1): 92-98,	2004
16	Effect of Aggression and Blockade on the Ecological Living Components in Iraq.	Iraq. National J. Chem. 14	2004
17	Determination of some Heavy Metals in Released Industrial Wastewater of Al-Furat Company, IRAQ. and their Effects	Environmental Research and Sustainable Development, 8(1)	2005

18	Environmental effects of the released industrial wastewater from Al-Furat Company,	Environmental Research and Sustainable Development,5	2005
19	Evaluate the efficiency of wastewater treatment unit in Baghdad tanning factory-Baghdad-Iraq. 1-Physial and chemical characteristic	Environmental Research and Sustainable Development,9 (1)	2006
20	Evaluate the efficiency of wastewater treatment unit in Baghdad tanning factory-Baghdad-Iraq. 2- Bacteriological characteristic.	Environmental Research and Sustainable Development,9 (1)	2006
21	Quantity and Quality Study on the Phytoplankton Population for Three Irrigation Drainage Water in Saddat Al-Hindia,	Iraq J. Aqua, 1:81-91.	2005
22	Toxic and accumulation effects of Cadmium and Lead on	J. of Um-Salama For Science,3(4)	2006
23	PHYTOPLANKTON AND RELATED NUTRIENTS IN SAWA LAKE	IRAQ. J. Dohuk Univ.11(1)	2008
24	Phytoplankton composition of Sawa lake.	Iraqi journal of Aquaculture 3(2).	2006
25	Concentrations of nine heavy metals in muscles of fish <i>Barbus luteus</i> Heckel ; <i>Aspius vorax</i> Heckel ; <i>Barbus grybus</i> Heckel and <i>Hypophthalmichthyes molotrix</i> Richardson collected from Euphrates river	Environmental Research and Sustainable Development,10(1)	2007
26	Effects of nitrogen and phosphorus enrichment on the phytoplankton in Razazzah Lake, Iraq.	Environmental Research and Sustainable Development,10(1)	2007
27	Quantitative and qualitative variability of Epiphytic algae on three aquatic plants in Euphrates River,Iraq	Iraqi journal of Aquaculture 1	2007
28	Seasonal variations on the phytoplankton in Alwnd River – Iraq.	Iraqi journal of Aquaculture 3(2)	2007
29	Effect of Chemical and Physical Properties of River Water in Shatt Al-Hilla on Phytoplankton Communities.	E- Journal of chemistry Vol. 5, No.2,	2008

30	Laboratory study on the effects of nutrient enrichment on a phytoplankton population in Sawa	J. of Um-Salama for Science, 5(2)	2008
31	Effect of the environmental pollutants on some of anatomic and morphological features of <i>Dodonea</i> and <i>Zizyphus</i> .	Journal of Kerbala University 5(4) Scientific,	2007
32	The Study Of Some PAHs Compounds In Euphrates River Sediment From Al-Hindiya Barrageto Al- Kifil City – Iraq,	Journal of college of science-University of Babylon, 4(Supplement)	2009
33	<a href="#">The study of some physical and chemical characteristics in drinking water treatment plant of Jurf Al- Sakar subdestric in Babylon governorate, Iraq,</a>	J. of Um-Salama for Science, 4(3)	2007
34	The study of some PAHs compounds in Euphrates River from Al-Hindiya barrage to Al- Kifil city – Iraq.	1 <sup>st</sup> scientific conference, proceeding, part 2, a special issue of Kirkuk University Journal- scientific studies. 4(3)	2009
35	The study of some PAHs compounds in two species of clams in Euphrates River at Al-Hindiya city – Iraq	Amen S T (Eds) Proceedings of the First Scientific Conference for the College of Science Tikrit University, Tikrit	2009
36	Phytoplankton composition of Euphrates River: between Al-Hindiya Barrage and Kifil City, Iraq.	Journal of Environmental Biology, 31	2010
37	Study on physicochemical parameters and nine heavy metals in Euphrates river-Iraq.	E- Journal of chemistry 7(3)	2010
38	Vegetation Response to Re-flooding in the Mesopotamian Wetlands, Southern Iraq.	Wetlands,30(2)	2010
39	The Geoaccumulation Index of some Heavy Metals in Al-Hawizeh Marsh	E- Journal of chemistry, 7(5)	2010

40	Phytoplankton primary production in southern Iraqi marshes after restoration	Baghdad Science Journal, Volume 8 (1) :Supplement 2 :519 -530	2011
41	A limnological study in Euphrates River from Al- Hindiya Barrage To Al- Kifil city – Iraq	Basrah Journal of Scienc Vol. 28(2):314-329, 2010	2010
42	Ceratophyllum demersum L. and Typha domingensis Pers as bioindicator of some PAHs compounds In Euphrates river at AL-Hindiya city	Basrah Journal of Scienc Vol. 28(2):288-298	2010
43	Study of Some physical, chemical and bacteriological tests of Al-Khatoneyia river water in Al-mahaweel Q. in Babylon governorate /Iraq	Journal of college of science-University of Babylon	
44	Environmental Study to Used The Aquatic Organisms as Bioindicators to Euphrates River Pollution by Heavy Metals.	Iraqi Journal of Market Research and Consumer Protection 2(3): 144-167	2010
45	An assessment evaluation of an industrial textile wastewater in Hilla city-Iraq.	Journal of college of science-University of Babylon, 19(5):1827-1837	2011
46	Systematic study of epiphytic algal after restoration of Al-Hawizah marshes, southern of Iraq	International Journal of Aquatic Science, 3(1): 37-57	2012
47	A CONTRIBUTION TO ALGAL FLORA IN BAGHDAD AREA, IRAQ	J. Adv. Lab. Res. Bio. 3(2): 91-100	2012

48	The effect of temperature and light intensity on growth of <i>Microcystis aeruginosa</i> and its ability to produce Microcystin- LR toxin.	International Journal of the Environment and water, 1(5 ):1-17	2012
49	Test ability of three microalgae in treatments of textile wastewater factory in Hilla city, Iraq	International Journal of the Environment and water, 1(3 ): 174-184.	2012
50	IMPACT OF INDUSTRIAL WASTE WATER ON THE PROPERTIES OF ONE MAJOR DRAINAGE IN THE REGION OF THE MIDDLE EUPHRATES / IRAQ. Int.	J. Chem. Sci.: 10(4): 1785-1798.	2012
51	Water Quality and phytoplankton Composition in Hilla River, Iraq.)	Proceeding of 4th Conference of Environmental Science, University of Babylon, Babylon, 5-6 December 2012, pp. 144-160	2012
52	Environmental Impacts for Industrial Waste Water on the Phytoplankton	Proceeding of 4th Conference of Environmental Science, University of Babylon, Babylon, 5-6 December 2012, pp. 144-160	2012
53	The Distribution of <i>Ceratophyllum demersum</i> L. in Relation to nvironmental Factors in Restored Al-Mashb marsh, Hor Al-Hammar, Southern Iraq.	Marsh Bulletin 7(2): 137-149.	2012
54	The spatial and temporal distribution of Epipellic algae and related environmental factors in Neel stream, Babil province, Iraq	International Journal of Aquatic Science, 4(2): 23-32	2013
55	An attempt to stimulate lipids for biodiesel production from locally isolated microalgae in Iraq	J. Baghdad for Sci., 10(1): 97-108.	2013



56	Stimulation of biodiesel production from two algae: <i>Chlorella vulgaris</i> Berjerinck and <i>Nitzschia palea</i> (Kütz.) Smith, and study their some growth parameters under different light intensity.	<i>IOSR Journal Of Environmental Science, Toxicology And Food Technology</i> , 6(2): 31-42	2013
57	Study of Bacterial Indicators in Water and Sediments from Al- Hilla River, Iraq	Hydrol Current Res 2013, S13:001	2013
58	A Study of Phytoplankton Communities and Related Environmental Factors in Euphrates River (between two cities: Al-Musayyab and Hindiya), Iraq.	Journal of Environmental Protection	2013
59	An ecological assessment for Tigris river within Baghdad, Iraq	J. Babylon Univ., special issue- Proceeding of 5th. International conference conference of Environmental science, Babylon Univ.- environmental research	2013
60	An Ecological Study of Epiphytic Algae on Two Aquatic Macrophytes in Lotic Ecosystem	Asian Journal of Natural & Applied Sciences, 3(3):37-52.	2014
61	Qualitative and Quantitative study of Epipelagic algae in Tigris river within Baghdad city, Iraq	Journal of Baghdad for Science 11(3): 1074-1082.	2014
62	Quality, Quantity and origin of PAHs (Polycyclic Aromatic Hydrocarbons) in Lotic Ecosystem of Al- Hilla River, Iraq.	Journal of Civil Engineering and Architecture, 8(8): 1026-1038	2014
63	The study of Pollution of PAHs (Polycyclic Aromatic Hydrocarbons) in Al- Hilla River, Iraq by using Bioindicator Freshwater crab ( <i>Sesarma boulengeri</i> Calman)	Journal of Life Sciences, 8(4): 351-357.	2014
64	Ecological Observation on Phytoplankton Species Composition in Wastewater Treatment Plant/ Iraq.	International Journal of Advance Research, 2(8): 344-356.	2014

65	An environmental study for Bani-Hissin stream in Holy Karbala governorate	Journal of Baghdad for Science11(3): 1319-1327	2014
66	An Ecological Observation on Inland water Ecosystem in Erbil –Iraq Kurdistan with particular reference to blue green algae Glaucospira	Journal of Baghdad for Science11(3): 1387-1398	2014
67	An Environmental Study on Phytoplankton (Diatoms) in Al-Yusifiya River, Iraq	Journal of Baghdad for Science11(3): 1301-1309	2014
68	An Environmental Study of Epiphytic Algae on Ceratophyllum demersum in Tigris River within Baghdad City, Iraq	Journal of Baghdad for Science11(3): 1342-1353	2014
69	Seasonal Variation of Environmental Properties and Phytoplankton Community in Al-Hussainya River, Holly	Mesopotamia Environment Journal (MEJ), 1(1): 59-82	2014
70	Qualitative and Quantitative Study of Phytoplankton (Diatoms) in a Lotic Ecosystem, Iraq	International Journal of Aquatic Science	2015
71	A Study of Phytoplankton Communities and Related Environmental Factors in Euphrates River (between two	Journal of Environmental Protection (JEP ) (Accepted for publication)	2015
72	A Contribution to the Epipelagic Algal Ecology in Lotic Ecosystem of Iraq	Journal of Environmental Protection, 2015, 6, 85-	2015

73	A Study of the Fate of Some heavy metals in water and Sediments in lotic Ecosystems	International Journal of chemical and Physical sciences	2015
74	Effect of light intensity on biofuel production from green alga <i>Chlorella vulgaris</i>	International Journal for Sciences and Technology / ICV: 4.32 - SJIF: 3.735 Vol. 10, No.4,	2015
75	Descriptive Study of Some Epiphytic Algae (Non diatoms) After Restoration of Mesopotamian Marshes, Southern of Iraq	Mesop. environ. j. 2015, Vol.1, No.2:96-108	2015
76	Assessment of a lotic ecosystem by using diatomic indices(Epipelic Algae), Iraq	Mesop. environ. j. 2016, Vol.2, No.2:87-100.	2016
77	Polycyclic Aromatic Hydrocarbon (PAHs) Concentrations in Some Aquatic Macrophytes in Hilla River, Iraq	Journal of Environmental Protection, 2016, 7, 198-211	2016
78	Evaluation Industrial and Domestic Wastewater Treatment Plant of Diala's state company of Electrical industries, Iraq.	Mesop. environ. J. 2016,2 (4): 14-22	2016
79	Bio-adsorption of Heavy Metals From Industrial Wastewater Using Some Species of Bacteria.	Baghdad Science Journal, 3 (13): 435-448	2016
80	A quantitative study of Attached Algae on Two substrates (Natural and Artificial) in A Lotic Ecosystem	Mesop. environ. J. 2017: Accepted	2017

## Conferences and symposiums

No.	Conferences Title	Year	Place	Type of
1	The 2nd National conference of biological Science.		<b>Al-Mustansiriya Univ.</b>	Committee
2	1st,2nd , 3rd and 4th Scientific Symposium on Environment pollution in Babil Goveranote.		Babylon Univ.	Committee
3	the 2nd National Conference of biological Science		Kurbala Univ.	
4	consultation workshop on Mesopotamian Marshlands management	2004	Amman- Jordan	Participate
5	the INTECL/ESA meeting	2005	Material- Canada	Participated by research
6	International Environmental Health Conference	2005	Amman- Jordan	Participated by research
7	Kurdistan 1 <sup>st</sup> . Conference of Biological Science	2006	Dohuk Univ.	Participated by research
8	Environmental conference	2008	Basrah Univ.	Participated by research
9	The 1st,2nd , 3rd and 4th Scientific Symposium on Environment Pollution in Babil goveranote.	2000- 2002	Babylon Univ.	Participated by research and conference committee
10	THE FIFTH INTERNATIONAL CONFERENCE ON BIOLOGICAL SCIENCES Organized by BOTANY AND ZOOLOGY DEPARTMENTS Faculty of Science, Tanta University, Tanta, Egypt. SESSION (2), PHYCOLOGY,	2008	Tanta University, Tanta, Egypt.	Participated by research
11	The 6th Scientific Conference of Fisheries Resources, 3-4 March 2009, Basra, Iraq/Session (9): Water Quality and	2008	Basrah Univ.	Participated by research
12	the 4 <sup>th</sup> Scientific Conference of CSASC	2009	Babylon Univ.	Participated by research
13	National environmental challenge	2010	Baghdad Univ.	Participated by research
14	the environmental threats to Iraq's surface waters, Department of Biology, College of Science for Women,	2010	Baghdad Univ.	Participated by research and conference committee
15	the environmental threats to Iraq's surface waters, Department of Biology, College of Science for Women, University of Baghdad,	2010	Baghdad Univ.	Participated by research and committee

16	The 3 <sup>rd</sup> . Scientific conference on Environmental pollution	2010	Babylon Univ.	Scientific committee
17	Seminar concept of sperm between the two concepts of scientific and legitimate	2011	Baghdad Univ.	Head of Scientific committee
18	Symposium on Alien species risk in environment	2011	University of Baghdad	Member committee
19	The 1 <sup>st</sup> Symposium of Herbarium, Plant wealth and Plant Genetic resources in Iraq.	2011	Ministry of Agriculture-State Board for Seed testing and Certification (S.B.S.T.C)	Participation
20	Forum on natural airborne dust held in Kermanshah	2012	Kermanshah-Iran	Discuss committee
21	Iraqi lakes as investment environment	2012	University of Baghdad	Member committee
22	5 <sup>th</sup> . International Conference of Environmental Science University of Babylon/ Environmental Research center.	2013	University of Babylon	Participated by research and conference committee
23	The International Conference on Biodiversity in the basin of Rivers Tigris and Euphrates	2013	University of Baghdad	Participated by research and conference committee
24	Symposium: Plant wealth in Iraqi desert	2013	University of Baghdad & State Board for Seed testing and Certification (S.B.S.T.C)	Symposium preparation committee
25	Digital images in the Detection of Environmental Pollutants	2015	University of Baghdad	Participation
26	Wealth of Medicine Plant in Iraq	2015	University of Baghdad and S.B.T.C.	Participated by research
27	Environment and Sustainable Development Symposium	2015	University of Baghdad and University of Technology	Participated by research
28	Biological Effects of oil Pollution in Iraqi Aquatic Ecosystems.	2015	University of Baghdad and University of Technology	Participated by research
29	Workshop: Concepts of Natural Protected Area in Iraq	2015	University of Baghdad	Workshop preparation committee
30	The 3 <sup>rd</sup> Scientific conference of environmental and development sustainable.	2016	University of Teechnology	Symposium Scientific committee
31	National conference of Science and arts- University of Babylon	2016	University of Babylon 1-20 October, 2016	Participated by the head of the 1 <sup>st</sup> session

**Thesis:**

<b>No.</b>	<b>Thesis Title</b>	<b>Department</b>	<b>Year</b>
1	The toxic effect of Cadmium.,and Lead on growth of alga <i>Microcystis aeruginosa</i> Kuetz	Babylon Univ.	2001
2	Effect of aqueous extracts of some medicinal plants on growth of <i>Microcystis aeruginosa</i>	Al-Qadisiyia Univ.	2001
3	An ecophysiological study on Phytoplankton in Sawa lake, Iraq	Al-Qadisiyia Univ.	2001
4	Studying of ecological pollution Pollutants effect on some of plants From the anatomic	Kufa Univ.	2002
5	Ecophysiological study for <i>Microcystis</i>	Babylon Univ.	2002
6	The probable environmental influences for industrial water drainage for one of industrial company	Babylon Univ.	2003
7	Aerobic bacterial deterioration Of oil emulsion 7201 and it's control By some biocides	Babylon Univ.	2003
8	The ecological effects of industrial wastewater released from the general euphrates company near Al-Hindia dam Iraq	Babylon Univ.	2004
9	Ecological study for the characteristic of Untreated sewage and wastewater from	Babylon Univ.	2004
10	Effect of Aqueous extracts of Eucalyptus leaves and Maize silks for controlling the growth of	Baghdad Univ.	2004
11	Study Some Physical Chemical and Bacteriological Pollution With it in Water	Babylon Univ.	2004
12	Study of algal diversity and their correlation with some physical and chemical characterizes <i>San-Hilla river</i>	Babylon Univ.	2004
13	Ecological study for Euphrates River between Al-Hindia reservoir and Al-Kefel town/Iraq.	Babylon Univ.	2005
14	Environmental study of possible pollution on Euphrates River between Al-Hindia dam and Al-	Babylon Univ.	2006
15	Qualitative and quantitative studies of some polycyclic Aromatic hydrocarbons and	Babylon Univ.	2007
16	Ecological Study of Aquatic Macrophytes in the Central Part of The Marshes of Southern Iraq.	Baghdad Univ.	2007
17	A study of ecology and diversity of epiphytic algae on some aquatic plants in Al- Hawizah marshes. Southern Iraq	Baghdad Univ.	2010
18	Biogeochemical Accumulation of polycyclic Aromatic Hydrocarbons (PAHs) in Al-Hiolla River-Iraq	Babylon Univ.	2012

19	An Ecological Study of Epiphytic Algae on Aquatic Macrophytes in Tigris River within Baghdad city, Iraq	Diyala Univ.	2013
20	An Ecological study of epipelagic algae in Bini Hissin stream/ Karabla city, Iraq	Karabala Univ.	2014
21	An Ecological study of Phytoplankton in Bini Hasan Stream/ The Holy Karabla province, Iraq	Karabala Univ.	2014
22	An Ecological study of Phytoplankton Epipelagic Algae in Tigris river within Baghdad, Iraq	Baghdad Univ.	2014
23	An Ecological study of Phytoplankton Epiphytic Algae in Tigris river within Baghdad city	Baghdad Univ.	2014
24	Stimulation of Biodiesel production by locally isolated Algae	Baghdad Univ.	2014
25	An Environmental Study on Phytoplankton in Al- Yusifiya River, Baghdad- Iraq	Baghdad Univ.	2014
26	A study of Algal community ecology and some environmental pollution in Al-husseinah river.	Karabala Univ.	2015
27	Water quality assessment of Al-Shamiya river by using diatoms.	Al-Qadisiya Univ.	2016
28	Evaluation of treatment plant of Diala company of electric industries and using bacteria for adsorption Copper and cadmium.	Univ. Baghdad	2016
29	A study Algal community ecology in Tigris riverL Kut.	Tikrit Univ.	in progress
30	Epipelagic algal ecology in Al Diwaniya river.	Univ. Baghdad	in progress

## Scientific Activities:

Within the College	Outside the College
Acting committee of the first scientific conference	An organization committee of water threatens in Iraq/ Stockholm-Sweden
Post-graduate student committee	Editorial board of Aquaculture- Basrah university
Head of Scientific Promotion committee of Promotion, College of Science for Women-University of Baghdad	Member Committee of initiative higher educational/
	Member the Scientific Committee of 5th International Conference For Environmental Sciences, Babylon Univ.
Head Department of Biology	Board of Editors of <b>Journal of Baghdad for Science</b>
Principle of Preparation committee for 1 <sup>st</sup> . International Biological Conference, Baghdad, Iraq	Board of Editors of <b>Karbala International Journal of Modern Science (Elsiever)</b>
	Board of Editors of <b>Mesopotamia Environment Journal</b>
	Editor-in Chief of <b>Baghdad Science Journal</b>

- patents
- Non
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## **Memberships:**

- **Member of INTCOL**
- **Member of Iraqi Society of Biology**
- **Member of Society of environmental protection**
- **NRDC (Natural Resources Defence Council)**



## السيرة العلمية



الاسم: الأستاذ الدكتور فكريت مجيد حسن

الاختصاص: بيئة مائية

الشهادة: الدكتوراه

ORCID ID: orcid.org/000-003-2624-505x

Scopus ID: 1447736600

Research ID: 8828-2015

RG:

[https://www.researchgate.net/profile/Fikrat\\_Hassan?ev=hdr\\_xprf&\\_sg=FFhYSDqTZ1lyWfJweA-xr42eLg6kTtBcLFsVi36zCc8ZSUcUrHH65zDI0RCabEoS](https://www.researchgate.net/profile/Fikrat_Hassan?ev=hdr_xprf&_sg=FFhYSDqTZ1lyWfJweA-xr42eLg6kTtBcLFsVi36zCc8ZSUcUrHH65zDI0RCabEoS)

البريد الإلكتروني: [Fikrat@csw.uobaghdad.edu.iq](mailto:Fikrat@csw.uobaghdad.edu.iq)

مجال التدريس: بيئة مائية و تلوث

- الدراسات الاولية:

ت	القسم	المادة	السنة
1	علوم الحياة	الاحياء العام	من 1989 الى -1993
2	علوم الحياة	الطحالب والاركيونيات	من 1989 الى 1996
3	علوم الحياة	علم البيئة والتلوث	من 1993 الى 1996
4	علوم الحياة	علم النبات	2005 و 2006 و 2007 و 2009
5	علوم الحياة	الطحالب والايكونيات	2010-2011
6	علوم الحياة	علم النبات	2011-2012
7	علوم الحياة	الطحالب	2012-2013

- الدراسات العليا:

ت	القسم	المادة	السنة
1	الهندسة البيئية	البيئة المائية	2000-2001
2	علوم الحياة	الفسلجة البيئية	2001-2002
3	علوم الحياة	بايولوجية الطحالب	من 2000 الى 2003

2004-2003	القياسات البيئية	علوم الحياة	4
2007 و 2006 و 2005	علم بيئة الاراضي الرطبة	علوم الحياة	5
2011-2010	الفسلجة البيئية	علوم الحياة	6
2012-2011	مرفولوجيا الطحالب	علوم الحياة/ بغداد وكربلاء	7
2012-2011	علم المياه الداخلية	علوم الحياة	8
2013-2012	بيئة الهائمات النباتية	علوم الحياة	8
2013-2012	علم المياه الداخلية	علوم الحياة	10
2013-2012	علم المياه العذبة	علوم الحياة	11
2014/2013	مرفولوجيا الطحالب	علوم الحياة	12
2014/2013	تصنيف وبيئة الطحالب	علوم الحياة	13
2014/2013	زراعة الطحالب	علوم الحياة	14
2015/2014	بيئة المياه الداخلية	علوم الحياة	15
2015/2014	المؤشرات البيئية	علوم الحياة	16
2015/2014	بيئة الطحالب	علوم الحياة	17

#### الاهتمامات البحثية:

- الوقود الحيوي
- البيئة المائية العراقية (انهار وبحيرات واهوار ونيابيع)
- بيئة الطحالب والنباتات المائية
- التلوث المائي
- النشريات:
- الكتب المؤلفة

No.	Scientific Literature Title	Year of The Publication
1	<a href="#">Biogeochemical Distribution Of Polycyclic Aromatic Hydrocarbons(PAHs) PAHs</a>	2014
2	<a href="#">Checklist of Algal Flora in Iraq</a>	2014

3	Marsh flora of southern Iraq before desiccation	2014
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	Research Title	Place of Publication	Year
1	Spatial and seasonal variations of phytoplankton population and related	Basrah J. of Sci. 12(1)	1994
2	Effect of sewage system on Ground water quality in Babylon UniversityComplex	RafidenEngineering J. 2(3)	1994
3	On the seasonal variation of phytoplankton populations in Hilla river Iraq	J. Coll. Educ. For Women, Baghdad 6(2)	1995
4	Effect of water soluble substances of Licorice(Glycyirhiza glabral.) on the growth of Algae and some water properties of the Refinery unit of Babylon University	J.Babylon Univ.1(3)	1996
5	Hydro-chemical evaluation of ground water in Babylon University complex	Al-Mustansiriya J.Sci.6(1)	1996
6	A Limnological study on Hilla River .	Al-Mustansiriya J.Sci.8(1)	1997
7	Effect of injection of Auxin and nutrient solution on growth and yield of broad bean plant.	J. Babylon Univ. 3(3 )	1998
8	Effect of aqueous extracts of Licorice (Glycyirhiza glabral.) and Cinnamome ( Cinnamomum zylanicum) on growth characterstics of algae.	J.Babylon Univ. 4( 3 )	1999

9	Effect of vesicular arbuscular mycorrhiza on zea mays plants under four salinity levels	J.Babylon Univ. 6( 3 )	2000
10	On the ecological features of Razazzah lake.	Iraq. National J.Chem. 4	2001
11	Seasonal variations of the physico-chemical characters of Sawa lake, Iraq.	Environmental Research and Sustainable Development 5(2)	2002
12	Limnological features of Diwanyia river ,Iraq.	J. of Um-Salama For Science,1(1)	2004
13	Effect of different temperture and light intensity on growth of	J.Babylon Univ.,9(3)	2004
14	Effect of cadmium and lead on growth of blue-green algae <i>Microcystis aerginosa</i> Kutz. In the presence of some plant nutrients.	Proceeding of 2 <sup>nd</sup> .International Conference of Development and Environment in Arab Area.	2004
15	<a href="#">Effect of some medicinal plants extracts on the growth of the alga <i>Microcystis aeruginosa</i>(Kuetz.) Elenk</a>	Iraqi Journal of Science, 45(1): 92-98,	2004
16	Effect of Aggression and Blockade on the Ecological Living	Iraq. National J. Chem. 14	2004
17	Determination of some Heavy Metals in Released Industrial Wastewater of Al-Furat Company, IRAQ. and their Effects	Environmental Research and Sustainable Development, 8(1)	2005
18	Environmental effects of the released industrial	Environmental Research and	2005
19	Evaluate the efficiency of wastewater treatment	Environmental Research and	2006
20	Evaluate the efficiency of wastewater treatment	Environmental Research and	2006

21	Quantity and Quality Study on the	Iraq J. Aqua, 1:81-91.	2005
22	Toxic and accumulation effects of Cadmium and	J. of Um-Salama For Science, 3(4)	2006
23	PHYTOPLANKTON AND RELATED NUTRIENTS IN	IRAQ. J. Dohuk Univ. 11(1)	2008
24	Phytoplankton composition of Sawa	Iraqi journal of Aquaculture 3(2).	2006
25	Concentrations of nine heavy metals in muscles of fish <i>Barbus luteus</i> Heckel ;	Environmental Research and Sustainable Development 10(4)	2007
26	Effects of nitrogen and phosphorus enrichment on the phytoplankton in Razazah Lake, Iraq.	Environmental Research and Sustainable Development 10(4)	2007
27	Quantitative and qualitative variability of	Iraqi journal of Aquaculture 1	2007
28	Seasonal variations on the phytoplankton in	Iraqi journal of Aquaculture 3(2)	2007
29	Effect of Chemical and Physical Properties of River Water in Shatt Al-Hilla on Phytoplankton	E- Journal of chemistry Vol. 5, No.2,	2008
30	Laboratory study on the effects of nutrient enrichment on a	J. of Um-Salama for Science, 5(2)	2008
31	Effect of the environmental pollutants on some of anatomic and morphological features of	Journal of Kerbala University 5(4) Scientific,	2007
32	The Study Of Some PAHs Compounds In Euphrates River Sediment From Al-Hindiya Barrageto Al- Kifil City – Iraq,	Journal of college of science-University of Babylon, 4(Supplement)	2009
33	<a href="#">The study of some physical and chemical characteristics in drinking water treatment plant of Jurf Al- Sakar subdestric in Babylon governorate</a>	J. of Um-Salama for Science, 4(3)	2007
34	The study of some PAHs compounds in Euphrates River from Al-Hindiya barrage to Al- Kifil city – Iraq	1 <sup>st</sup> scientific conference, proceeding, part 2, a special issue of	2009

35	The study of some PAHs compounds in two species of clams in Euphrates River at Al-Hindiya city – Iraq	Amen S T (Eds) Proceedings of the First Scientific Conference for the College of	2009
36	Phytoplankton composition of Euphrates River: between Al-Hindiya Barrage and Kifil City, Iraq.	Journal of Environmental Biology, 31	2010
37	Study on physicochemical parameters and nine heavy metals in Euphrates river-Iraq.	E- Journal of chemistry 7(3)	2010
38	Vegetation Response to Re-flooding in the Mesopotamian Wetlands, Southern Iraq.	Wetlands,30(2)	2010
39	The Geoaccumulation Index of some Heavy Metals in Al-Hawizeh	<b>E- Journal of chemistry, 7(5)</b>	2010
40	<b>Phytoplankton primary production in southern Iraqi marshes after</b>	<b>Baghdad Science Journal, Volume 8 (1) - Supplement 2</b>	2011
41	A limnological study in Euphrates River from Al-Hindiya Barrage To Al-Kifil city – Iraq	Basrah Journal of Scienc Vol. 28(2):314-329, 2010	2010
42	Ceratophyllum demersum L. and Typha domingensis Pers as bioindicator of some PAHs compounds In Euphrates river at AL-Hindiya city	Basrah Journal of Scienc Vol. 28(2):288-298	2010
43	Study of Some physical, chemical and bacteriological tests of Al-Khatoneyia river water in Al-mahaweel Q. in Babylon governorate	Journal of college of science-University of Babylon	

44	Environmental Study to Used The Aquatic Organisms as Bioindicators to Euphrates River Pollution by Heavy Metals.	Iraqi Journal of Market Research and Consumer Protection 2(3): 144-167	2010
45	An assessment evaluation of an industrial textile wastewater in Hillacity-Iraq.	Journal of college of science-University of Babylon, <b>19(5):1827-1837</b>	2011
46	Systematic study of epiphytic algal after restoration of Al-Hawizah marshes, southern of Iraq	International Journal of Aquatic Science, 3(1): 37-57	2012
47	A CONTRIBUTION TO ALGAL FLORA IN BAGHDAD AREA, IRAQ	J. Adv. Lab. Res. Bio. 3(2): 91-100	2012
48	The effect of temperature and light intensity on growth of <i>Microcystis aeruginosa</i> and its ability to produce Microcystin-LR toxin.	International Journal of the Environment and water, 1(5 ):1-17	2012
49	Test ability of three microalgae in treatments of textile wastewater factory in Hilla city, Iraq	International Journal of the Environment and water, 1(3 ): 174-184.	2012
50	IMPACT OF INDUSTRIAL WASTE WATER ON THE PROPERTIES OF ONE MAJOR DRAINAGE IN THE REGION OF THE MIDDLE EUPHRATES / IRAQ. Int.	J. Chem. Sci.: 10(4): 1785-1798.	2012
51	Water Quality and phytoplankton Composition in Hilla River, Iraq.)	Proceeding of 4th Conference of Environmental Science, University of Babylon,	2012

52	Environmental Impacts for Industrial Waste Water on the Phytoplankton	Proceeding of 4th Conference of Environmental Science, University of Babylon,	2012
53	The Distribution of <i>Ceratophyllum demersum</i> L. in Relation to Environmental Factors in Restored Al-Mashb	Marsh Bulletin 7(2): 137-149.	<b>2012</b>
54	The spatial and temporal distribution of Epipellic algae and related environmental factors in Neel stream Babil	International Journal of Aquatic Science, 4(2): 23-32	2013
55	An attempt to stimulate lipids for biodiesel production from locally	<b>J. Baghdad for Sci., 10(1): 97-108.</b>	2013
56	Stimulation of biodiesel production from two algae: <i>Chlorella vulgaris</i> Berjerinckand <i>Nitzschia palea</i> (Kütz.) Smith, and study their	<i>IOSR Journal Of Environmental Science, Toxicology And Food Technology</i> , 6(2): 31-42	2013
57	<a href="#">Study of Bacterial Indicators in Water and Sediments from Al- Hilla River, Iraq</a>	Hydro Current Res 2013, S13:001	2013
58	A Study of Phytoplankton Communities and Related Environmental Factors in Euphrates River (between two cities: Al-Musayyab and Hindiya), Iraq.	Journal of Environmental Protection	2013
59	An Ecological Study of Epiphytic Algae on Two Aquatic Macrophytes in Tigris	Asian Journal of Natural & Applied Sciences, 3(3):37-53	2014
60	Qualitative and Quantitative study of Epipellic algae in Tigris river within Baghdad city	Journal of Baghdad for Science 11(3): 1074-1082.	2014



61	Quality, Quantity and origin of PAHs (Polycyclic Aromatic Hydrocarbons) in Lotic Ecosystem of Al-Hilla River, Iraq.	Journal of Civil Engineering and Architecture, 8(8): 1026-1038	2014
62	The study of Pollution of PAHs Polycyclic Aromatic Hydrocarbons) in Al- Hilla River, Iraq by using Bioindicator Freshwater	Journal of Life Sciences, 8(4): 351-357.	2014
63	Ecological Observation on Phytoplankton Species Composition in Wastewater Treatment Plant/ Iraq.	International Journal of Advance Research, 2(8): 344-356.	2014
64	An environmental study for Bani-Hissin stream in Holy Karbala governorate	Journal of Baghdad for Science11(3): 1319-1327	2014
65	An Ecological Observation on Inland water Ecosystem in Erbil –Iraq Kurdistan with particular reference to blue green algae GlaucoSPIra	Journal of Baghdad for Science11(3): 1387-1398	2014
66	An Environmental Study on Phytoplankton (Diatoms) in Al-Yusifiya River, Iraq	Journal of Baghdad for Science11(3): 1301-1309	2014
67	An Environmental Study of Epiphytic Algae on Ceratophyllum demersum in Tigris River within Baghdad City, Iraq	Journal of Baghdad for Science11(3): 1342-1353	2014
68	Seasonal Variation of Environmental Properties and Phytoplankton Community in Al-Hussainia River, Hilla	Mesopotamia Environment Journal (MEJ), 1(1): 59-82	2014

69	Qualitative and Quantitative Study of Phytoplankton (Diatoms) in a Lotic Ecosystem, Iraq	International Journal of Aquatic Science (Accepted for publication)	2015
70	A Study of Phytoplankton Communities and Related Environmental Factors in Euphrates River (between two cities: Al-Musayyab	Journal of Environmental Protection (JEP ) (Accepted for publication)	2015
71	A Contribution to the Epipellic Algal Ecology in Lotic Ecosystem of Iraq	Journal of Environmental Protection, 2015, 6, 85-95	2015
72	A Study of the Fate of Some heavy metals in water and Sediments in lotic Ecosystems	International Journal of chemical and Physical sciences	2015
73	Effect of light intensity on biofuel production from green alga <i>Chlorella vulgaris</i>	International Journal for Sciences and Technology / ICV: 4.32 - SJIF: 2.725 Vol.1, No.1	2015
74	Descriptive Study of Some Epiphytic Algae (Non diatoms) After Restoration of	Mesop. environ. j. 2015, Vol.1, No.2:96-108	2015
75	Assessment of a lotic ecosystem by using diatomic indices (Epipellic Algae), Iraq	Mesop. environ. j. 2016, Vol.2, No.2:87-100.	2016
76	Polycyclic Aromatic Hydrocarbon (PAHs) Concentrations in Some	Journal of Environmental Protection, 2016, 7,	2016
77	Evaluation Industrial and Domestic Wastewater Treatment Plant of Diala's	Mesop. environ. J. 2016,2 (4): 14-22	2016

78	Bio-adsorption of Heavy Metals From Industrial Wastewater Using Some	Baghdad Science Journal, 3 (13):	2016
79	Bio-adsorption of Heavy Metals From Industrial Wastewater Using Some	Baghdad Science Journal, 3 (13): 435-448	2016
80	A quantitative study of Attached Algae on Two substrates (Natural and Artificial) in A Lotic	Mesop. environ. J. 2017: Accepted	2017

( الاطاريح ، الرسائل ) التي أشرف عليها

السنة	القسم	اسم الأطروحة أو الرسالة	ت
2001	قسم علوم الحياة	دراسة التأثير السمي لمعدن الكاديوم	1
2001	قسم علوم الحياة	تأثير المستخلصات المائية لبعض النباتات الطبية على	2
2001	قسم علوم الحياة	دراسة بيئية فسلاجية عن المائعات النباتية في بحيرة	3
2002	قسم علوم الحياة	دراسة تأثير ملوثات البيئة على بعض النباتات من	4
2002	قسم علوم الحياة	دراسة بيئية فسلاجية الطحالب Microcystic	5
2003	قسم علوم الحياة	التأثيرات البيئية المحتملة لتصريف مياه الصناعة	6
2003	قسم علوم الحياة	التردي البكتيري الهوائي لمستخلص النبات 7201	7
2004	قسم علوم الحياة	دراسة بيئية لخصائص مياه الصرف الصحي	8
2004	قسم علوم الحياة	دراسة بيئية لخصائص مياه الصرف الصحي	9
2004	قسم علوم الحياة	دراسة بعض الصفات الفيزيائية	10
2004	قسم علوم الحياة	تأثير المستخلصات المائية لاصباغ البكتينوس	11
2004	قسم علوم الحياة	تأثير المستخلصات المائية لاصباغ البكتينوس	12
2005	قسم علوم الحياة	تنوع الطحالب وعلاقتها ببعض الصفات الفيزيائية	13
2005	قسم علوم الحياة	دراسة بيئية لنهر الفرات بين سددة المنجبة مناجمة	14
2006	قسم علوم الحياة	دراسة بيئية للتلوث المحتمل في نهر الفرات	15

2007	قسم علوم الحياة	Qualitative and quantitative studies	16
2007	قسم علوم الحياة	Ecological study of aquatic	17
1010	قسم علوم الحياة	دراسة بيئية وتنوع الطحالب الملتصقة على	18
2012	جامعة بابل	Biogeochemical Accumulation of polycyclic Aromatic Hydrocarbons	19
2013	جامعة ديالى	دراسة بيئية للطحالب الملتصقة على النباتات المائية في نهر دجلة	20
2013	جامعة بغداد	دراسة بيئية للطحالب الملتصقة على الطين في نهر دجلة ضمن مدينة بغداد, العراق	21
2014	جامعة بغداد	دراسة بيئية للطحالب الملتصقة على النباتات المائية في نهر دجلة -ضكمن مدينة بغداد-	22
2014	جامعة بغداد	دراسة بيئية عن الهائمات النباتية في نهر اليوسفية بغداد, العراق	23
2014	جامعة كربلاء	دراسة بيئية للطحالب الملتصقة على الطين في جدول بني حسن/ كربلاء المقدسة- العراق	24
2014	جامعة كربلاء	دراسة بيئية للهائمات النباتية في جدول بني حسن- محافظة كربلاء المقدسة- العراق	25

2015	جامعة كربلاء	دراسة بيئية لمجتمع الطحالب وبعض الملوثات البيئية في نهر الحسينية- كربلاء المقدسة/ العراق	26
2016	جامعة القادسية	تقييم نوعية مياه نهر الشامية / الديوانية/ العراق بدلالة الدايتومات	27
2016	جامعة بغداد	تقييم كفاءة وحدة المعالجة في شركة ديالى للصناعات الكهربائية واستخدام البكتريا في الازالة الحيوية	28
قيد البحث	جامعة تكريت	دراسة مجتمع الطحالب في نهر دجلة / الكوت	29
قيد الانجاز	جامعة بغداد	دراسة بيئة للطحالب الملتصقة على الطين في نهر الديوانية	30
			31
			32

المؤتمرات والندوات:

:Conferences which you participated

No.	Conferences Title		Place	Type of
1	the 2nd National		AI-	Committee
2	1st,2nd , 3rd and 4th Scientific		Babylon Univ.	Committee

3	the 2nd National Conference of		Kurbala Univ.	
4	consultation workshop on		Amman- Jordan	Participate
5	the INTECL/ESA meeting		Material- Canada	Participated by research
6	International Environmental		Amman- Jordan	Participated by research
7	Kurdistan 1 <sup>st</sup> . Conference of		Dohuk Univ.	Participated by research
8	Environmental conference		Basrah Univ.	Participated by research
9	The 1st,2nd , 3rd and 4th Scientific Symposium on		Babylon Univ.	Participated by research and
10	THE FIFTH INTERNATIONAL CONFERENCE ON BIOLOGICAL SCIENCES		Tanta University, Tanta, Egypt.	Participated by research
11	The 6th Scientific Conference of		Basrah Univ.	Participated by research
12	the 4 <sup>th</sup> Scientific Conference of		Babylon Univ.	Participated by research
13	National environmental		Babghdad Univ.	Participated by research
14	the environmental		Baghdad Univ.	Participated by research
15	the environmental threats to iraq's		Baghdad Univ.	Participated by research and
16	The 3 rd. Scientific conference on		Babylon Univ.	Scientific committee
17	Seminar concept of science between		Baghdad Univ.	Head of Scientific
18	Forum on natural resources held		Kermansha Univ.	Discuss committee
19	Iraqi lakes as investment		University of Baghdad	Member committee

20	Symposium on <del>Alien species risk</del>		University <del>of Baghdad</del>	Member <del>committee</del>
21	5 <sup>th</sup> . International Conference of Environmental		University of Babylon	Participated by research and
22	The International Conference on Biodiversity in the basin of Rivers		University of Baghdad	Participated by research and conference
23	Digital images in the Detection of		University of Baghdad	Participation
24	Wealth of Medicine Plant in		University of Baghdad	Participated by research
25	Environment and Sustainable		University of Baghdad	Participated by research
26	Biological Effects of oil Pollution in		University of Baghdad	Participated by research
27	Workshop: Concepts of		University of Baghdad	Workshop preparation
28	The 3 <sup>rd</sup> Scientific conference of <del>environmental</del>		University of <del>Technology</del>	Symposium Scientific <del>committee</del>
29	National conference of Science and arts- University of		University of Babylon 1-20 October,	Participated by the head of the 1 <sup>st</sup> session
30	<a href="#">Listing the Iraqi Marshes within the World Heritage: A</a>		University of Basrah- Marine Science	Participated by the member of recommenda
31	Listing the Iraqi Marshes within the World Heritage:		University of Technology -	Participation
32				

### Scientific Activities:

Within the College	Outside the College
Acting committee of the first scientific conference	An organization committee of water threatens in Iraq/ Stockholm-Sweden
Post-graduate student committee	Editorial board of Aquaculture-Basrah university
Head of Scientific Promotion committee of Promotion, College of Science for	Member Committee of initiative higher educational/
	Member the Scientific Committee of 5th International Conference For Environmental Sciences, Babylon Univ.
Head Department of Biology	Editor-in Chief of <b>Journal of Baghdad for Science</b>
	Board of Editors of <b>Karbala International Journal of Modern Science</b>
	Board of Editors of <b>Mesopotamia Environment Journal</b>

-براءات الاختراع

-لا يوجد

-عضوية الهيئات المحلية والدولية:

-عضو الجمعية الدولية للبيئة ( LINTCO )

-عضو جمعية علوم الحياة العراقية

-عضو جمعية حماية البيئة

- عضو مجلس حماية الموارد الطبيعية ( NRDC (Natural Resources Defense Council )