

# Academic Curriculum Vitae



## Personal Information:

Full Name: Yahya Ahmed Shekha

Academic Title: Professor

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## Education:

- 2005-2008: (Ph. D in Ecology and Pollution). The title of the thesis is (The Effect of Erbil city wastewater discharge on water quality of Greater Zab River, and the Risks of Irrigation). Department of Biology, College of Science, University of Baghdad, IRAQ.
- 1992-1995: (M.Sc. in Aquatic Microbiology). Department of Biology, College of Science, University of Salahaddin-IRAQ.
- 1988-1992: (B.Sc. in Biology). Department of Biology, College of Science, University of Salahaddin-IRAQ.

## Employment:

- 16-4-2017 Professor of Ecology and Pollution, Department of Environmental Science and Health, College of Science/ University of Salahaddin, Erbil, IRAQ.
- 27-3-2009 Assist. Prof. of Ecology and Pollution, Department of Environmental Science and Health, College of Science/ University of Salahaddin, Erbil, IRAQ.
- 31-5-2003 Lecturer of Aquatic Microbiology, Department of Biology, College of Science/ University of Salahaddin, Erbil, IRAQ.
- 5-8-1995 Assist. Lecturer of Aquatic Microbiology, Department of Biology, College of Science/ University of Salahaddin, Erbil, IRAQ.

## Qualifications

- Teaching qualifications
- IT qualifications

- Language qualifications such as TOEFL, IELTS or any equivalent
- Any professional qualification
- You could put any professional courses you have attended

## **Teaching experience:**

- Environmental Pollution
- Invertebrate
- Ecology and Pollution
- Water Monitoring
- Environmental Policy and Clean Energy
- Biological Indicators
- Biology and Pollution
- Limnology
- Environmental Microbiology
- Soil and Sewage Microbiology
- Air and Water Pollution
- Topics in Environmental Science
- Industrial Pollution
- Academic Skill
- Phycology
- Water Technology
- Advanced Soil Pollution
- Advanced Water pollution
- Advanced Environmental Analysis
- Biology of Pollution
- Microbial Ecology
- Plant Physiology
- General Biology
- Courses, training, lab supervision, etc.,

## **Research and publications**

- 1- Shekha, Y.A. (2001). An ecological and bacteriological study for groundwater in Arbil region. Journal of Central Berayeti. Vol.18:
- 2- Aziz, F.H.; Darogha, S.N. and Shekha, Y.A. (2001). Ecological and microbiological studies of Arbil city's sewerage. Journal of Central Berayeti. Vol.18:
- 3- Aziz, F.H.; Ganjo, D.A. Shekha, Y.A. (2004). Observations on the limnology of polluted pond in Arbil ciy, Iraq. Zanco J. Vol.16(1):

- 4- Aziz, F.H.; Ganjo, D.A. Shekha, Y.A. (2006). An attempt for reuse of the wastewater of Erbil city for irrigation purposes. Vol.18(2):
- 5- Esmail, A.U.; Maulood, P.M. and Shekha, Y.A. (2007). Evaluate Kasnazan impoundment water for irrigation purposes. J. of Education and Science – Mosul University. Vol.18(2):
- 6- Shekha, Y.A.; Ali, L.A. and Toma, J.J. (2009). Determinants of the microbiological characteristics of Erbil city public swimming pools. J. of Duhok Univ. Vol.12(1):
- 7- Maulood. B.K. and Shekha, Y.A. (2009). An ecological study on the main sewage channel of Erbil city, Iraq. Al- Nahrain J.
- 8- Shekha, Y.A. (2009). Effect of Different Treatments of Raw Edible Vegetables Irrigated by Untreated Sewage water from Microbiological Aspect. J. of Duhok Univ. Vol.12(1):
- 9- Shekha, Y.A. and Al-Abaychi, J.K. (2009). Community structure of zooplankton in Greater Zab River and Erbil wastewater channel. Zanco J. Vol.21(3):
- 10- Shekha, Y.A. and Al-Abaychi, J.K. (2009). Abiotic Factors and Their Influences on Phytoplankton Density in Greater Zab River (Khabat subdistrict-Erbil, Iraq). Zanco J. Vol.21(2):71-80.
- 11- Shekha, Y.A.; Hyder, N.H. and Al- Barziny, Y.O. (2010). The effect of wastewater disposal on the water quality and phytoplankton in Erbil wastewater channel. Baghdad Science J. Vol.7(2): 984-993.
- 12- Shekha, Y.A. and Al-Abaychi, J.K. (2010). Use of water quality index and dissolved oxygen saturation as indicators of water pollution of Erbil wastewater channel and Greater Zab River. J. of Duhok Univ. Vol.13(2):
- 13- Shekha, Y.A. (2011). A Study of Benthic Macroinvertebrate Community in the Lower Part of Greater Zab River near Guwer Subdistrict. J. of Rafidain Science. Vol.22(1):33-45.
- 14- Shekha, Y.A. and Al-Abaychi, J.K. (2011). Study of microorganisms' pollution of vegetable crop wild raddish (*Raphanus raphanistrum* L.) irrigated with Erbil wastewater channel. J. of Kirkuk University.
- 15- Shekha, Y.A. (2011). Household Solid Waste Content in Erbil City, Iraqi Kurdistan Region, Iraq. Zanco Journal of Pure and Applied Sciences. Vol.23(3): 1-8.
- 16- Shekha, Y.A. and Al-Abaychi, J.K. (2011). Study the Density and Diversity of Some Invertebrate Groups in Erbil Wastewater Channel and Greater Zab River, Erbil. Al- Rafidain J. 2<sup>nd</sup> Scientific Conference for Biological Science-Sci College –Mosul University. 16-17 Nov. 2011: 297-308.
- 17- Shekha, Y.A. and Al-Abaychi, J.K. (2013). Assessment of Monthly Variation of Two Water Bodies in Erbil Governorate. 1<sup>st</sup> International of Scientific Conference. Journal of University of Zakho, Vol.1, (A) No.1: 821-831.
- 18- Shekha, Y.A.; Ismael, H. M. and Ahmed, A. A. (2013). Bacteriological and Mycological Assessment for Water Quality of Duhok Reservoir. Jordan J. of Biological Science. Vol.6(4):308-315.

- 19- Shekha, Y.A. (2013). Multivariate statistical characterization of water quality analysis for Erbil wastewater channel. J. of Environmental Science, Toxicology and Food Technology. Vol.5(6):18- 26.
- 20- Shekha, Y.A. (2015). Sulfate content in some water systems within Erbil City/KRG by using turbidimetric and titrimetric methods. Journal of Zankoi Sulaimani. Vol.17-3(Part A): 179-184.
- 21- Ali, L.A.; Shekha, Y.A.; Ahmed, S.T. Aziz, F.M. (2015). A New Record of Two Species of Hydra in Iraq: An Ecological and Histological Study. Jordan J. of Biological Science. Vol.8(4): 269-272.
- 22- Hanna, N.S. and Shekha, Y.A. (2015). Using aquatic insects in water quality assessment of some branches of Greater Zab River within Erbil city, Iraqi Kurdistan Region. American International Journal of Research in Formal, Applied and Natural Sciences. Vol.8:18-22.
- 23- Shekha, Y.A.; Toma, J.J. and Al- Barzingy, Y.O. (2016). Algal Survey in Wastewater Channel of Erbil City, Iraq. Diyala Journal for Pure Science. Vol.12 (4): 39-57.
- 24- Shekha, Y.A.; Ali, L.A. and Toma, J.J. (2017). Assessment of Water Quality and Trophic Status of Duhok Lake Dam. Baghdad Science Journal. 14(2):335-342.
- 25- Shekha, Y.A. (2016). Evaluation of Water Quality for Greater Zab River by Principal Component Analysis/ Factor Analysis. Iraqi Journal of Science, 2016, Vol. 57, No.4B.: 2650-2663.
- 26- Shekha, Y.A.; Toma, J.J. and Ismael, H. M. (2017). Study algae and fungi interaction in some artificial open sand mine ponds in Kalak sub-district, Duhok, Iraq. Diyala Journal for Pure Science. 13(2):109- 131.
- 27- Mohammad Amin, J.K. and Shekha, Y.A. (2016). Environmental Impacts of Sand and Gravel Mining on Water Quality and Biodiversity in Kalak Sub-District. ZANCO Journal of Pure and Applied Sciences. 28 (5): 281-192.
- 28- Dalshad A. Darwesh, Yahya A. Shekha, and Janan J. Toma. (2017). Application the DRIS equation to assess the nutrient status of Dukan and Duhok lakes in northern of Iraq. Diyala Journal of Agricultural Sciences. 9(2):
- 29- Hanna, N. S. and Shekha, Y.A. (2017). Assessment of Water Quality for Zar Gali Stream, Bekhal (Maran) and Khalan Rivers within Erbil, Iraq. ZANCO Journal of Pure and Applied Sciences. 29 (1): 171-181.
- 30- Yahya A. Shekha; Luay A. Ali; Jamal K. Mohammed Amin; Shamal M. A. Abdullah and Atheer H. Ali. (2017). Additional Records of Freshwater Shrimp (Malacostraca: Crustacea) from Greater Zab River and Their Banks, Iraq. ZANCO Journal of Pure and Applied Sciences. 29 (5): 84-90.
- 31- Shekha, Y.A.; Al-Attar, M.S.; Saleem, M.A.; Toma, J.J.; Goran, S.M.A. (2017). Effect of landfill leachates extract of Erbil city on abnormal sperm morphology and chromosomal aberrations in male albino mice. ZANCO Journal of Pure and Applied Sciences. 29 (6): 18-27.

- 32- Shekha, Y.A.; Toma, J.J. and Al- Barzingy, Y.O. (2018). An Ecological Assessment for Water Quality of Some Water Bodies in Koysenjaq-Erbil, Iraq. Journal of Al- Nahrain University- Science. 21 (2): 119-129.
- 33- Shekha, Y.A.; Maulood, P.M.; Sadraddin, Z.A. and Khalifa, M.H. (2018). Phytotoxicity of sewagewater and leachate of solid waste on seed germination and seedling growth of *Vicia faba* L. (Faba bean). ZJPAS (2019) , 31(2);65-70.
- 34- Jalal. S.Y. and Shekha, Y.A. (2017). Compost quality assessment for the household solid wastes of Erbil city. ZJPAS (2019) , 31(6);143-149.
- 35- Sayran Yousif Jalal, Nihal Suhail Hanna, Yahya Ahmed Shekha. (2019). The effects of Insects on the Physicochemical Characteristics During Composting. Iraqi Journal of Science, Vol.60, No.11, pp: 2426-2432.
- 36- Shelan M. Khudhur and Yahya A. Shekha. (2019). Histopathological and Biochemical Biomarker Response of Mussel, *Unio pictorum*, to Carbamate Pesticide Carbaryl: A Laboratory Study. Indian Journal of Animal Research. DOI: 10.18805/ijar.B-1157.
- 37- Hanna, N. S.; Shekha, Y.A. and Ali, L.A. (2019). Water quality assessment of Rawanduz River and Gali Ali Beg stream by applied CCME WQI with survey aquatic insects (Ephemeroptera). Iraqi Journal of Science, Vol.60, No.12, pp: 2550-2560.
- 38- Shelan M. Khudhur and Yahya A. Shekha. (2020). Morphological and molecular identification of three genera of the family: Heptageniidae (Ephemeroptera) from Ava Sheen branch, Greater Zab tributary north of Iraq. Iraqi Journal of Science, Vol.61, No.5. pp:952- 960.
- 39- Shelan M. Khudhur and Yahya A. Shekha. (2021). Description of Some Aquatic Insect Genera in Greater Zab River Branches, North of Iraq. Al-Nahrain Journal of Science. ANJS, Vol.24 (4), December, 2021, pp. 68-78.
- 40- Muzhda. Q. Qader and Yahya A. Shekha. (2022). Application of two fungal strains *Aspergillus niger* and *Candida albicans* in wastewater quality improvement. Journal of Education and Science. Vol.34, No.4. pp:33- 41.
- 41- Muzhda. Q. Qader and Yahya A. Shekha. (2023). Potential of Fungal-Microalgal species in the Environmental Biotechnology. Passer Journal. Vol.5, No.1. pp: 52- 58.
- 42- Muzhda. Q. Qader and Yahya A. Shekha. (2023). Role of Microalgae in Environmental Biotechnology to Remove Heavy Metals. Journal of Applied Sciences and Nanotechnology. 3(1):174-184.
- 43- Halwest A. Hassan and Yahya A. Shekha. (202?). Detection of Parasitic Contamination of Cress crop Irrigated with two types of Water in Jumka village, Erbil – Iraq. Rafidain Journal of Science.
- 44- Hanna, N. S. and Shekha, Y.A. (2023). Acute Toxicity of Chlorpyrifos on the Freshwater bivalves (*Unio Tigridis*) and effects on bioindicator. Baghdad Science Journal.
- 45- Rezan S. Ahmed, Sayran Y. Jalal, Hero M. Ismael, and Yahya A. Shekha. (2023). Chemical and Biological Properties of compost produced from house solid waste. Zanco Journal of Pure and Applied Sciences.

- 46- Muzhda. Q. Qader and Yahya A. Shekha. (2023). Using microalga *Coelastrella* sp. to remove some nutrients from wastewater in vitro. Baghdad Science Journal.
- 47- Muzhda. Q. Qader and Yahya A. Shekha. (202?). Using Microalga *Scenedesmus Quadricauda* for the Improvement of Municipal Wastewater Quality. Iraqi Journal of Science. 64(5):
- 48- Muzhda. Q. Qader and Yahya A. Shekha. (202?). Application of Micro-alga *Tetradesmus nygaardi* for Wastewater Quality Improvement. Al-Nahrain Journal of Science.
- 49- Muzhda. Q. Qader and Yahya A. Shekha. (202?). Bioremediation of Heavy Metals by using *Aspergillus niger* and *Candida albicans*. Zanco Journal of Pure and Applied Sciences.
- 50- Muzhda. Q. Qader and Yahya A. Shekha. (202?). Role of Environmental Biotechnology in Remediation of Heavy Metals by Using Fungal-Microalgal Strains. Basrah Journal of Agricultural Sciences.
- 51- Hanna, N. S. and Shekha, Y.A. (2023). Behavioral and Biochemical Variations in *Unio tigridis* After Exposure to Lead Nitrate. Iraqi Journal of Science.
- 52- Kawa A. Ali; Pakhshan M. Maulood; Shireen A. Amin; Yadi Omer Mustafa Al- Barzingy &Yahya A. Shekha. (2023). The Allelopathic Potential of Some Lower Plants on Growth, and Yield of Wheat Plants. International Collaborative Conference of Modern Agricultural Technologies (ICCMAT 3-4 May 2023). Earth and Environmental Science. Accepted for publication.

## Conferences and courses attended

1. Aziz, F.H.; Darokha, S.N. and Shekha, Y.A. (2001). Ecological and Microbiological studies of Arbil city sewerage. Water Science Conference. 14-15 February 2001. Brayeti Center. No. 18. Erbil.
2. Shekha, Y.A. (2001). An ecological and bacteriological study for groundwater in Arbil Region. Water Science Conference. 14-15 February 2001. Brayeti Center. No. 18. Erbil.
3. Esmail, A.U.; Maulood, P.M. and Shekha, Y.A. (2007). Evaluate Kasnazan impoundment water for irrigation purposes. J. of Education and Science – Mosul University. Vol.18(2):47-55. 1<sup>st</sup> Scientific Conference for Biological Science- College of Education – Mosul University. Sept.2007.
4. Shekha, Y.A. and Al-Abaychi, J.K. (2011). Study the Density and Diversity of Some Invertebrate Groups in Erbil Wastewater Channel and Greater Zab River, Erbil. Al- Rafidain J.2nd Scientific Conference for Biological Science-Science College –Mosul University.16-17 Nov.2011.297-308.
5. Shekha, Y.A. and Al-Abaychi, J.K. (2011). Study of microorganisms' pollution of vegetable crop wild radish (*Raphanus raphanistrum* L.) irrigated with Erbil wastewater channel. The 1st Conference of Biological Science. College of Science. University of Kirkuk. April 20-21, 2011.

6. Shekha, Y.A. and Al-Abaychi, J.K. (2013). Assessment of Monthly Variation of Two Water Bodies in Erbil Governorate. 1st International of Scientific Conference. 23-25 April. 2013. Journal of University of Zakho, Vol.1, (A) No.1: 821-831.
7. 1st Environmental Conference. Environmental Committee of Kurdistan Region. 5-6 June 2013. Erbil-Iraq.
8. 4th International Scientific Conference of Cihan University-Erbil on Biological Science. 26-27 April 2017.
9. Kawa A. Ali; Pakhshan M. Maulood; Shireen A. Amin; Yadi Omer Mustafa Al- Barzingy & Yahya A. Shekha. (2023). The Allelopathic Potential of Some Lower Plants on Growth, and Yield of Wheat Plants. International Collaborative Conference of Modern Agricultural Technologies (ICCMAT 3-4 May 2023). Earth and Environmental Science. Accepted for publication.

## **Funding and academic awards**

- List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

## **Professional memberships**

- 2000- till now a member of the Kurdistan Biology Syndicate

## **Professional Social Network Accounts:**

**ORCID ID:** <https://orcid.org/0000-0003-4540-1222>

**ResearchGate:** <https://www.researchgate.net/profile/Yahya-Shekha>

**Scholar Account:** <https://scholar.google.com/citations?hl=en&user=OKF2pHEAAAAJ>

**LinkedIn:** <https://www.linkedin.com/in/yahya-shekha-092b2275/>

**Academic Profile:** <https://academics.su.edu.krd/yahya.shekha>