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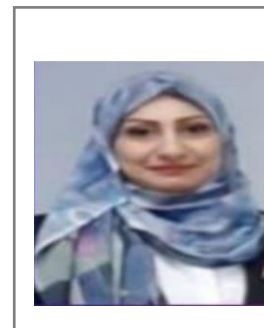
Research gate: Murooj Abbas Buhlool Al-Ghizzi

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Academic achievement	<ol style="list-style-type: none">1. A database on the toxicity of the lower section of the Don River near the cities of Rostov-on-Don and Azov was formed by bioassay using two test indicators of <i>Chlorella vullgaris</i> monoculture.2. The Index Biological Integrity of P-IBI can be used as a tool for assessing the water quality of a particular water body and evaluating the effectiveness of efforts to restore it.3. The developed standardized P-IBI scale can be used to determine the quality of water in the watercourses of the Don River basin.4. A database of phytoplankton and organic pollution has been formed according to the data of algoindication of water in the lower section of the Don River.5. Methods of research and results obtained based on algoindication and bioassay on the quality of water in the lower section of the river Don, have become an integral part of the environmental disciplines taught at the Southern Federal University.
Employment and Teaching Experience	<p>I worked as lecturer at University of Thi-Qar, Science College, Biology department from December 28th, 2006. From October 1th , 2017 to December 16th 2022, I studied PhD in the Russian Federation and participated in international and local conferences. I also gained scientific experience and teaching and administrative methods for various fields at University of Southern Federal.</p> <p>From January 15th , 2023 I continue worked as lecturer at University of Thi-Qar, Science College, Biology department through that I conducted scientific seminars</p>

	<p>such as :</p> <ol style="list-style-type: none"> 1. The effect of heavy metal pollution on autism disorder. 2. A sustainable vision for the waters of southern Iraq. 3. Develop a scientific plan for writing and presenting the thesis to graduate students.
Education	<p>PhD. Doctor of philosophy in Ecology 2017-2022 Southern Federal University</p> <p>2. MSc. Master's degree in Ecology and pollution 2011-2014 Thi-Qar University</p> <p>3. Bachelor's degree 2006-2002 Thi Qar University</p>
Publications	<p>Bakaeva E.N., Al-Ghizzi M.A.B. Using of index Biological Integrity of Phytoplankton (P-IBI) in the assessment of water quality Don River section. -/ Baghdad Science Journal. 2020. 87-96p. http://dx.doi.org/10.21123/bsj.2020.18.1.0000.2.Faris H. N., Abedali S. T.</p> <p>2. AL-Ghizzi M. A. B. Seasonal Variation in Primary Productivity and biomass of phytoplankton in the waters of southern part of the general estuary / Dhi Qar/ Iraq. // Caspian Journal of Environmental Sciences. 2022. 20: 307-314 p.</p> <p>3. AL-Ghizzi M. A. B. Abedali S. T. Bakaeva E.N. Changes in the state of algocenoses in the estuary area of the Don River in different seasons. Iranian Journal of Ichthyology. 2022. 25-31 p.</p> <p>Articles published in local and international journals:</p> <ol style="list-style-type: none"> 1. Murooj Abbas Buhlool Al-Ghizzi, Wesan Fadhel Khalef, Afrah Abid Maktoof . Analysis of Heavy Metals in Soil and Vegetation Near Fuel Filling Stations in Thi-Qar Governorate. Central Asian Journal of Theoretical and Applied Sciences. 2024. Vol. 5 Issue 2 pp. 27-34 ISSN: 2660-5317. 2. Murooj Abbas Buhlool Al-Ghizzi, Wesan Fadhel Khalef, Duaa Kamel Al-Moussawi, Zahraa Zahraw Al-Janabi . Study the Effect of Nitrogen Fertilizer on Cultivation and Growth of Algae Chlorella vulgaris .Central Asian Journal of Medical and Natural Sciences Volume: 05 Issue: 02 Mar 2024 ISSN: 2660-4159. https://caimns.centralasianstudies.org/index.php/CAIMNS 3. Murooj Abbas Buhlool Al-Ghizzi, Wesan Fadhel Khalef. Some Medicinal Plants and Their Ways of Using Them for Medication. International Journal of Biological Engineering and Agriculture. ISSN: 2833-5376 Volume 03 Number 03 (2024) Impact Factor: 9.51. 4. Murooj Abbas Buhlool AL-Ghizzi, Aseel Kamil Mohammad Al- Mosawi. Comparison of Water Quality in

the Don River Pool, Russia, During 2011-2012. Journal of Science in Medicine and Life. Volume: 2 Issue: 3 Year: 2024.

<http://journals.proindex.uz>

5. Murooj abbas buhlool, Hussian Yousif Al-Rekabi, Basim Yousif Alkhafaji. Applied of CCME Water Quality Index for Evaluation Water Quality of Euphrates river For Irrigation Purposes in Al-Nassiryia city. J.Thi-Qar Sci. Vol.4 (3) June/2014.

6. Zainab Mohsin Ibrahim, Murooj Abbas Buhlool, Iqbal Azeez Ameen & Ihsan Hameed Khudhair. Study alcoholic extract effecting of orange plantin the growth of two types of algae Microcystis sp. & Chroococcus sp. IMPACT: International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P):2347-4580 Vol. 3, Issue 9, Sep 2015, 35-42 Impact Journal.

7. Murooj abbas buhlool. Estimate of bioconcentration of endocrine disrupting chemicals in Euphrates river in Al-Nassiryia city of Iraq. Univesity of Thi-Qar Journal.2017, Volume 12, Issue 3, Pages 18-29.

8. Murooj abbas buhlool. Pollution of al-garaf river depending on Escherichia Coli as pollution indicator and it's effect on increasing diarrheal disease.University of Thi-Qar Journal of agricultural research.V. 7, Number 1, 2018.Web Site: <http://jam.utq.edu.iq>

9. Murooj Abbas Buhlool, Hussian Yousif Al-Rekabi, Bassim Yousif Thiab & Zainab Mohsin Ibrahim. Applied of phytoplankton index of biological integrity (P-IBI) for assessment of environmen changes in the Euphrates river in Al-Nassiryia city/ Iraq. IMPACT: International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580 Vol. 3, Issue 7, Jul 2015, 1-8 P.

Articles published in journals included in list of peer-reviewed scientific publications of Southren Federal University and Higher Attestation Commission in Russia: AL-Ghizzi M. A. B., Bakaeva E.N. Assessment of the Don waterquality after the confluence of the Temernik river accordingthe saprobityindex and bioassay. Aquatic Bioresources and Environment Journal. 2022.Vol.5, no.2, pp.7-15.

Articles and abstracts in other publications

1. Bakaeva E.N., Taradaiko M.N., Ignatova N.A., Al-Ghizzi M.A.B. Methodological aspects of assessing the ecotoxicity of the waters of transboundary watercourses at the International Scientific and PracticalConference "Transboundary water bodies: use, management, protection"Transboundary water bodies:

use, management, protection. Sochi, September 20-25, 2021 - Novocherkassk: Lik, 2021. - 406 p. ISBN 978-5-907391-37-6.2.

2. Bakaeva E.N., Al-Ghizzi M.A.B., Taradayko M.N. Bioindicatio nmethods for studying the state of aquatic ecosystems // Proceedings of IXth International Scientific and Practical Conference "Ecological Problems. A Look into the Future". [IX International scientific-practical conference "Ecological problems. a look into the future". Rostov-on-Don October 22-23, 2020]. pp.753-756.

3. E. N. Bakaeva, M. A. B. Al-Ghizzi, and M. N. Taradaiko, Russ. The state of algocenoses and the toxicity of water in the mouth section of the Don River // International Scientific and Practical Conference "Innovations in Agriculture and Ecology" Ryazan, September 10, 2020, pp. 50-55.

4. AL-Ghizzi M. A. B., Bakaeva E. N. Phytoplankton-index of biological integrity(P-IBI) calculation // 16th annual youth conference South of Russia: challenges of the time, discoveries, prospects. YUNC, Rostov-on-Don. 14-28 April 2020

5. AL-Ghizzi M. A. B., Bakaeva E. N. Water quality of the lower section of the DON river according to the algoindication (P-IBI) // Abstracts of the III International (XVI Regional) scientific conference Technogenic systems and environmental risk / Ed. ed. A. A. Udalova. Obninsk: IATE NRNU MEPHI, 2020. P. 166-168.

6. Bakaeva E.N., Al-Ghizzi Murooj Abbas Buhlool, Taradaiko M.N. Seasonal algotesting of the water of the lower section of the river. Don / Collection of articles dedicated to the 100th anniversary of the founding of the Hydrochemical Institute "Modern problems of hydrochemistry and surface water quality monitoring". Part 2. - Rostov-on-Don, 2020. P. 83-86.

7. Bakaeva E.N., Taradaiko M.N., Ignatova N.A., Chernikova G.G., Al- Ghizzi Murooj A.B. Algotoxicity of watercourses within the mining landscapes of Eastern Donbass. I International Scientific Conference "Actual Directions for the Balanced Development of Mountain Territories in the Context of an Interdisciplinary Approach. Karachaevsk: KCHGU, 2019. C. 97-101. ISBN 978-ISBN 978-5-8307-0594-3.

8. Bakaeva E.N., Al-Ghizzi M.A.B. Phytoplankton dynamics of the Don River within the city of Rostov-on-Don // Collection of materials of the VII All- Russian Conference "Ecology. Economy. Informatics. System Analysis and Modeling of Economic and Ecological Systems (SAMES)". September 9-14, 2019, p.. Durso C.159-163. DOI: 10.23885/2500-395X-2019-1-4.

9. Bakaeva E.N., Taratayki M.N., Al-Ghizzi

M.A.B. Methodological problems of assessing the toxicity of habitats of hydrobionts // I All-Russian Scientific Conference (with international participation) "Readings in memory of V.I. Zhadin": to the 125th anniversary of his birth, St. Petersburg, April 18-22, 2022: abstracts. St. Petersburg: SPbF IIET RAS; Yaroslavl: Filigree, 2022. - P.14-15. ISBN 978-5-6047785-2-4.

10. Bakaeva E.N., Al-Ghizzi M.A.B. Algoindication of surface water quality a component of hydrobiological monitoring // Collection of proceedings of the All-Russian scientific and practical conference with international participation "Water resources in the context of global challenges: environmental problems, management, monitoring" September 20-22, 2023, Rostov-on-Don; Novochoerkassk: Lik, 2023, T.2, pp. 22-27; BN978-5-90770852-5 (vol. 2).

11. Bakaeva E.N., Al-Ghizzi M.A.B. Approaches to improving the methodology for algoindication of the quality of land surface waters. Monitoring the state and pollution of the environment: surface climate, pollutants and climate-active substances. Materials of the III All-Russian scientific conference with international participation. Moscow, November 15-17, 2023. M.: FGBU "IGKE", 2023. 493 p.