Mehrzad Keshavarzifard

mkf1759@yahoo.com keshavarzifard@ifro.ir

https://scholar.google.com/citations?user=6J3baX8AAAAJ&hl=en&oi=ao

https://orcid.org/0000-0001-8473-8333

WORK EXPERIENCES

Assistant Professor
SHRIMP RESEARCH CENTER, IRANIAN FISHERIES SCIENCES RESEARCH INSTITUTE, AGRICULTURAL RESEARCH EDUCATION AND EXTENTION ORGANIZATION (AREEO), BUSHEHR 75169-89177, IRAN **Iran** 2019-

- Environmental Science
- Biology
- Ecology
- Stock Assessment

IRAN NATIONAL SCIENCE FOUNDATION (INSF) Through SHIRAZ UNIVERSITY **Iran**
Postdoctoral Fellowship in Environmental Science – Environmental Science 2018-2019

- Investigating Distribution, Bioaccumulation and ecotoxicology of Microplastics, Polycyclic Aromatic Hydrocarbons and Heavy Metals in Sediments and Selected Biota spp. in the Musa Bay, Persian Gulf

IRAN's NATIONAL ELITES FOUNDATION (INEF) Through SHIRAZ UNIVERSITY **Iran**
Postdoctoral Fellowship in Environmental Science – Marine Pollution 2016-2017

- Determining the distribution and sources of PAHs and heavy metals in sediments from Persian Gulf
- Determining the distribution and sources of PAHs and heavy metals in Biota from intertidal zone of Persian Gulf
- Evaluation of bioavailability and ecotoxicology of PAHs and heavy metals from sediments to Biota in intertidal zone of Persian Gulf

EDUCATION

UNIVERSITI PUTRA MALAYSIA **Malaysia**
Ph.D. Graduated in Environmental Science – Marine and Fresh Water Ecosystem June 2015

- Determining the distribution and sources of PAHs, alkanes and hopanes in sediments
- Determining the distribution and sources of PAHs, alkanes and hopanes in *Paphia undulata* (short-neck clam) tissues
- Evaluating the potential usage of *Paphia undulata* as biomonitor species for PAHs
- Evaluating the relationship between PAHs and their bioavailability in sediments and *Paphia undulata*
- Evaluation of Ecotoxicological Risks of PAHs

AZAD UNIVERSITY – RESEARCH AND SCIENCE BRANCH OF TEHRAN **Iran**
Master of Marine and Oceanic Science – Marine Biology Feb. 2007

- Study of organochlorine pesticides in muscle tissues of stellate sturgeon and sediments in the southern of the Caspian Sea
- Published 2 journal papers

UNIVERSITY OF GUILAN **Iran**
Bachelor of Biology – Marine Biology Jan. 2004

PROFESSIONAL EXPERIENCE

REASEARCH EXPERIENCE

RESEARCH PROJECTS

- Determining the opening and closing season of green tiger shrimp fishing (*Penaeus semisulcatus*) in the waters of Bushehr province and evaluating the effects of environmental parameters on its yield fluctuations. **Iranian Fisheries Sciences Research Institute Project**

- Monitoring the harvest status of *Argyrops spinifer*, *Otolithes ruber*, *Sphyraena barracuda*, *pomadasys kaakan*, *Lethrinus nebulosus* and *Carangoides talamparoides* in the Bushehr's water (Persian Gulf) through biometrics. **Iranian Fisheries Sciences Research Institute Project**

- Biometry of tuna and tuna like fishes in the Persian Gulf and Oman Sea (Bushehr Province). **Iranian Fisheries Sciences Research Institute Project**

- Monitoring bioaccumulation of microplastic litter in marine fish cage culture. **MSRT-TUBITAK Joint Research Projects**

- Compilation of Polychaetes atlas of the Persian Gulf Iranian waters in order to introduce susceptible and species in the aquaculture industry. **Iranian Fisheries Sciences Research Institute Project**

- A study on effects of Covid-19 pandemic on fisheries activities in the Caspian Sea, Persian Gulf and Oman Sea. **Iranian Fisheries Sciences Research Institute Project**

- Ecological impact assessment of desalination plants discharges located in Bushehr city on benthic and planktonic communities in laboratory and field conditions. **Iranian Fisheries Sciences Research Institute Project**

- Stocks assessment of demersal fish species in the waters of Boushehr Province. **Iranian Fisheries Sciences Research Institute Project**

- The role of native probiotic (Tak cell) in increasing the income of western white shrimp (*Litopenaeus vannamei*) farms In Bushehr province. **Iranian Fisheries Sciences Research Institute Project**

- Determining the opening and closing season of green tiger shrimp fishing (*Penaeus semisulcatus*) based on biologic and ecologic parameters in waters of Bushehr province. **Iranian Fisheries Sciences Research Institute Project**

- Investigating Distribution and Bioavailability of Organic and Inorganic Pollutants in Sediments and Biota from West Coast of Persian Gulf. **Iran's National Elites Foundation Project**

- Investigating Distribution and Bioaccumulation of Microplastics, Polycyclic Aromatic Hydrocarbons and Heavy Metals in Sediment and Selected Bivalve spp. in Khure-Musa, Persian Gulf. **Iran National Science Foundation Project**

- Evaluation of the Ecological Effects of Desalination Plant Wastewater on Benthic and Planktonic Communities in Laboratory and Field Conditions in Persian Gulf. **Iran National Science Foundation Project**

- Geochemistry and Health Risks of Microplastics, Heavy Metals and Polycyclic Aromatic Hydrocarbons (PAHs) in Costal Sediments of Persian Gulf, Bushehr Province, Iran. **Bushehr Environmental Protection Administration Project**

- Distribution, Sources and Health Risk Assessment of Organochlorine Pesticides (OCPs) in Commercial Fish Species from Southern Caspian Sea. **Iran Department of Environment (DOE) Project**

- Medical Geology of Mahshahr County, Iran. **Khozestan Environmental Protection Administration Project**

- Geochemistry and Environmental Effects of Heavy Metals and Polycyclic Aromatic Hydrocarbons from Street Dust of Bushehr, Iran. **Bushehr Environmental Protection Administration Project**

- Study of Water Quality, Salinity Origin, Heavy Metals and Polycyclic Aromatic Hydrocarbons in Karun and Dez Rivers, Khuzestan, Iran. **Khozestan Environmental Protection Administration Project**

- Geochemistry and Environmental Effects of Heavy Metals and Polycyclic Aromatic Hydrocarbons from Street Dust of Asaluyeh, Iran. **Bushehr Environmental Protection Administration Project**

- Study of Industrial Waste in Water and Sediment in the South Pars zone, Iran. **Bushehr Environmental Protection Administration Project**

- Biomass Estimation of Demersal Resources in the Persian Gulf by Swept Area Method. **Iranian Fisheries Research Organization Project**

- Determining of Opening and Closing Fishing Time of Green tiger shrimp (*Penaeus semisulcatus*) Based on Ecological and Biological Parameters in Bushehr Coastal Waters. **Iranian Fisheries Research Organization Project**

- Investigating the Impacts of Climate Change on Marine Fish and Fisheries in the Persian Gulf. **Iranian Fisheries Research Organization Project**

- Environmental Assessment of Iron Ore Exploitation in Niriz, Fars Province, Iran. **Payeshgaran Zamin Sabz Tirazis Company**

- Identification of Petroleum Pollution Origins in the Malacca and Johor Straits, Kim Kim River and Segget River, Peninsular Malaysia; Applying Hopanes as Molecular Markers in Sediments. **Japan Society for the Promotion of Science (JSPS) Project**

- Source Identification of Oil Pollution in Malacca Strait. **Central QHSE Malaysia Marine and Heavy Engineering Holding (MHB) Project**

- Distribution, Sources and Ecological Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) Contamination in Surface Sediments from Port Dickson, Peninsular Malaysia. **University Putra Malaysia (UPM) Project**

- Evaluation of Polycyclic Aromatic Hydrocarbons Pollution in Sediments from Terengganu and Kelantan Rivers and Coastal Areas, Eastern Malaysia. **University Putra Malaysia (UPM) Project**

- An Integrated Evaluation of Sewage Molecular Marker (Linear Alkylbenzenes) in the Malacca and Johor Straits and Major Rivers and Estuaries of Peninsular Malaysia. **University Putra Malaysia (UPM) Project**

- Distribution and Sources of Linear Alkyl Benzenes (LABs) in Surface Sediments from Brunei Bay, Brunei. **University Terengganu Malaysia (UMT) Project**

PROJECT SUPERVISING

- Research Project on Conducting Studies on Water Requirement in Arjan Wetland, Fars, Iran. 2018-2019. **Fars Environmental Protection Administration Project**

- Research Project on Conducting Studies on Water Requirement in Haft-Barm Lagoons, Fars, Iran. 2018-2019. **Fars Environmental Protection Administration Project**

LEADERSHIP &TEACHING EXPERIENCE

Teaching Experiences

- **University of Shiraz, Iran**
  Soil Pollution, Faculty of Sciences

- **Universiti Putra Malaysia**
  Analytical Techniques, Faculty of Environmental Studies

Leadership Experiences

- **Sampling team leader**
  Team leader during sampling in the Johor State and the Malacca Straits (2013-2015).

- **Lab manager and undergraduate students advisor**

Coordinate the schedule of personnel, space, equipment, and standards preparation in order to meet the technical and timing requirements of various projects,

Design framework and strategic plan vision for undergraduate students, Advising undergraduate, master and PhD students for sampling and analytical experiments in Environmental Forensics Research Center, Universiti Putra Malaysia.

- **University of Shiraz, Iran**
  Co-supervisor of master student (2016-2018)

- **University of Zanjan, Iran**
  Co-supervisor of master student (2016-2018)

Editorial Board Member

- Editorial Board Member of IL Journal of Bioavailability and Bioequivalence
- Editorial Board Member of SF Journal of Environmental and Earth Science

Reviewer

- Science of the Total Environment, **Elsevier**
- Chemosphere, **Elsevier**
- Environmental Pollution, **Elsevier**
- Marine Pollution Bulletin, **Elsevier**
- Environmental Advances, **Elsevier**
- Innovative Food Science and Emerging Technologies, **Elsevier**
- Environmental Geochemistry and Health, **Springer**
- International Journal Of Environmental Health Research, **Taylor & Francis**
- Human and Ecological Risk Assessment: An International Journal, **Taylor & Francis**
- Environmental Forensics, **Taylor & Francis**
- Desalination and Water Treatment, **Taylor & Francis**
- Applied Environmental Research
- Frontiers in Environmental Science
- Journal of Animal Environment
- 4th International Conference on Agriculture & Environment with Sustainable Development Approach, Shiraz, Iran

Workshop/s

Holding:

- Waste Management, Aghar and Dalan Operating Areas, Southern Zagros Oil and Gas Company, January 2019
- Waste Management, Nar and Kangan Operating Areas, Southern Zagros Oil and Gas Company, February 2019
- Waste Management, Sarvestan and Saadat Abad Operating Areas, Southern Zagros Oil and Gas Company, February 2019
- Waste Management, Parsian Operating Areas, Southern Zagros Oil and Gas Company, February 2019
- Waste Management, Sarkhoun Operating Areas, Southern Zagros Oil and Gas Company, March 2019

Attending:

- R Package for Fisheries Stock Assessment
- ArcGIS

HONORS AND AWARDS

- **Awarded** postdoctoral fellowship by Iran National Science Foundation (INSF) through Shiraz University, 2018.
- **Awarded** postdoctoral fellowship by Iran National Elites Foundation (INEF) through Shiraz University, 2016.
- **Awarded** postdoctoral fellowship in environmental science, Institute of Ocean and Earth Sciences (IOES), University of Malaya, Malaysia, 2015.
- **Awarded** the first prize of Three Minutes Thesis Presentation competition (3MT) in the Faculty Level in Universiti Putra Malaysia, 2014.
- **Awarded** the prize of the top six presenters in Three Minutes Thesis Presentation competition (3MT) in the University Level in Universiti Putra Malaysia, 2014.
- **Awarded** scholarship to pursue Master of Science degree in Azad University, Research and Science Branch of Tehran, 2004.
- **Ranked** in the top 1% of the master's degree participants in the entrance exam for marine biology (5th grade in Iran), 2004.

PUBLICATIONS

Book/s:

- **Keshavarzifard, M.** Zakaria, M. P. (2015). Bioavailability of Polycyclic Aromatic Hydrocarbons (PAHs) in Aquatic Ecosystems. **LAP LAMBERT Academic Publishing,** ISBN (978-3-659-79040-9).

Book Chapters:

- **Keshavarzifard, M.,** Zakaria, M. P., Hwai, T. S., Halimoon, N., Mustafa, S., Vaezzadeh, V., Masood, N., Magam, S. M. & Weiyun, C. **2014**. Polycyclic Aromatic Hydrocarbons (PAHs) in Sediments from Prai and Malacca Rivers, Peninsular Malaysia. *A.Z. Aris et al. (eds.),* ***From Sources to Solution***. pp 415 – 420. **DOI**: 10.1007/978-981-4560-70-2_75. **Springer**.
- Vaezzadeh, V., Zakaria, M. P., Mustafa, S., Ibrahim, Z. Z., Shau-Hwai, A. T., **Keshavarzifard**, **M.**, Magam, S. M. & Masood, N. **2014**. Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Sediment from Muar River and Pulau Merambong, Peninsular Malaysia. *A.Z. Aris et al. (eds.),* ***From Sources to Solution***. pp 451 – 455. **DOI**: 10.1007/978-981-4560-70-2_81. **Springer**.
- Masood, N., Zakaria, M. P., Ali, M. M., Magam, S. M., Alkhadher, S., **Keshavarzifard**, **M**., Vaezzadeh, V. & Hussein, M. A. **2014**. Distribution of Petroleum Hydrocarbons in Surface Sediments from Selected Locations in Kuala Selangor River, Malaysia. *A.Z. Aris et al. (eds.),* ***From Sources to Solution***. pp 351 – 356. **DOI**: 10.1007/978-981-4560-70-2_64. **Springer**.

Journal Papers:

2021

- **Keshavarzifard**, **M**., Vazirzadeh, A., Sharifina, M., **2021.** Occurrence and characterization of microplastics in white shrimp, *Metapenaeus affinis*, living in a habitat highly affected by anthropogenic pressures, northwest Persian Gulf
- **Keshavarzifard, M.,** Niamaimandi, N., Sharifinia, M., Mobarezi, A., **2021**. Analytical Review on Impacts of Boat Shrimp Trawling on the Marine Plants (Algae and Seagrasses). ***Iranian Journal of Marine Science and Technology***.
- Sharifinia, M., **Keshavarzifard, M., 2021**. New technologies and management of farming systems in shrimp aquaculture. ***Iranian Journal of Marine Science and Technology***.

2020

- **Keshavarzifard**, **M**., Vazirzadeh, A., Sharifina, M., **2020**. Implications of Anthropogenic Effects on the Coastal Environment of Musa Bay, Persian Gulf Using *Metapenaeus affinis* as Indicator. ***Marine Pollution Bulletin.*** **Elsevier. ISI.** Volume 159, pp 111463.

- **Keshavarzifard**, **M**., Zakaria, M. P., Sharifina, M., Grathwohl, P., Keshavarzifard, S., **2020**. Determination of Hydrocarbon Sources in Major Rivers and Estuaries of Peninsular Malaysia Using Aliphatic Hydrocarbons and Hopanes as Biomarker, ***Environmental Forensics, Taylor & Francis***. **ISI.** pp 1-14**.**

- Sharifinia, M., Afshari, B., **Keshavarzifard, M., 2020**. Microplastic pollution as a grand challenge in marine research: A closer look at their adverse impacts on the immune and reproductive systems. ***Ecotoxicology and Environmental Safety*****. Elsevier. ISI.** Volume 204, pp 111109

- Alkhadher, S. A. A., Kadir, A. A., Zakaria, M. P., Al-Gheethi, A., **Keshavarzifard, M.,** Masood, N., Alenezi, K. M., Magam, S. M., **2020**. Linear alkylbenzenes in surface sediments of an estuarine and marine environment in peninsular Malaysia. ***Marine Pollution Bulletin***. Volume 153. https://doi.org/10.1016/j.marpolbul.2020.111013. **Elsevier**. **ISI.**

2019

- **Keshavarzifard**, **M**., Moore, F., Sharifi, R., **2019**. The influence of physicochemical parameters on bioavailability and bioaccessibility of heavy metals in sediments of the intertidal zone of Asaluyeh region, Persian Gulf, Iran. ***Chemie der Erde – Geochemistry*****. Elsevier. ISI.**

- **Keshavarzifard, M.**, Zakaria, M. P., Keshavarzifard, S., Magam S. M., Masood, N., Alkhadher, S. A. **2019**. Evaluation of Polycyclic Aromatic Hydrocarbons Contamination in the Sediments of the Johor Strait, Peninsular Malaysia. ***Polycyclic Aromatic Compounds***, pp 1-16. http://dx.doi.org/10.1080/10406638.2016.1257997. **Taylor & Francis. ISI.**

- Sharifinia, M., Afshari, B., Z., Smith, W., Yap, C. K., **Keshavarzifard, M., 2019**. Prevention is better than cure: The Persian Gulf biodiversity vulnerability to the impacts of desalination plants – the pressing need to draw global attention to the issue. ***Global Change Biology*****. Wiley. ISI.**

2018

- **Keshavarzifard**, **M**., Moore, F., Keshavarzi, B., Sharifi, R., **2018**. Distribution, Source Apportionment and Health Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Intertidal Sediment of Asaluyeh, Persian Gulf. ***Environmental Geochemistry and Health*****. DOI**: 10.1007/s10653-017-0019-2. **Springer**.

- **Keshavarzifard**, **M**., Zakaria, M. P. Keshavarzifard, S., Sharifi, R., **2018**. Distributions, Composition Patterns, Sources and Potential Toxicity of Polycyclic Aromatic Hydrocarbons (PAHs) Pollution in Surface Sediments from the Kim Kim River and Segget River, Peninsula Malaysia. ***Pertanika Journal of Science and Technology*****. SCOPUS**. Volume 26, Issue 1, pp 95-120.

- **Keshavarzifard**, **M**., Zakaria, M. P., Keshavarzifard, S., Sharifi, R., **2018**. Distribution and Sources of Aliphatic Hydrocarbons in Surface Sediments from two Major Rivers of Peninsular Malaysia. ***Agricultural Engineering Letters***. Volume 1, Issue 1, pp 18-22.

- Masood, N., Majam, S., Vaezzadeh, V., **Keshavarzifard, M., 2018**. Seasonal variability of anthropogenic indices of PAHs in sediment from Kuala Selangor River, west coast Peninsular Malaysia. ***Environmental Geochemistry and Health*****.** pp 1-22. **DOI:** https://doi.org/10.1007/s10653-018-0122-z. **Springer. ISI. Impact Factor: 2.994**

2017

- **Keshavarzifard**, **M**., Zakaria, M. P., Hwai, T. S. **2017**. Bioavailability of polycyclic aromatic hydrocarbons (PAHs) to the short-neck clam (*Paphia undulata*) from sediment matrices in mudflat areas of west coast of Malaysia. ***Environmental Geochemistry and Health***, pp 1-20. **DOI**: 10.1007/s10653-016-9835-z. **Springer. ISI.**

- **Keshavarzifard**, **M**., Zakaria, M. P., Sharifi, R., **2017**. Ecotoxicological and health risk assessment of polycyclic aromatic hydrocarbons (PAHs) in short-neck clam (*Paphia undulata*), and contaminated sediment exposure, Malacca Strait, Malaysia. ***Archives of Environmental Contamination and Toxicology***, **DOI**: 10.1007/s00244-017-0410-0. **Springer**. **ISI.**

- **Keshavarzifard**, **M**., Moore, F., Keshavarzi, B., **2017**. Polycyclic Aromatic Hydrocarbons (PAHs) in Sediment and Sea Urchin (*Echinometra mathaei*) from Intertidal Ecosystem of Northern Persian Gulf: Distribution, Sources, and Bioavailability. ***Marine Pollution Bulletin***. **ISI. Elsevier**.

2016

- Masood, N., Zakaria, M. P., Halimoon, N., Aris, A. Z., Kannan, N., Mustafa, S., Ali, M., Magam, S. M., Alkhadher, S., **Keshavarzifard, M., 2016**. Anthropogenic Waste Indicators (AWI) Particularly PAHs and LABs in Malaysian Sediments: Application of Aquatic Environment for Identifying Anthropogenic Pollution. ***Marine Pollution Bulletin***, Volume 102, Issue 1, pp 160-175. http://dx.doi.org/10.1016/j.marpolbul.2015.11.032. **Elsevier**. **ISI.**

- Magam, S. M., Zakaria, M. P., Halimoon, N., Aris, A. Z., Kannan, N., Mustafa, S., Masood, N., Alkhadher, S., **Keshavarzifard, M.,** Vaezzadeh, V., Sani, M., **2016**. Evaluation of distribution and sources of sewage molecular marker (LABs) in selected rivers and estuaries of Peninsular Malaysia. ***Environmental Science and Pollution Research***. Volume 23, Issue 6, pp 5693-5704. DOI: 10.1007/s11356-015-5804-9. **Springer**. **ISI.**

2015

- **Keshavarzifard**, **M**., Zakaria, M. P., Hwai, T. S., Yusuff, F. M. & Mustafa, S. **2015**. Distributions and Source Apportionment of Sediment-Associated Polycyclic Aromatic Hydrocarbons (PAHs) and Hopanes in Rivers and Estuaries of Peninsular Malaysia. ***Environmental Science and Pollution Research***, Volume 22, Issue 12, pp 9424-9437. **DOI**: 10.1007/s11356-015-4093-7. **Springer**. **ISI.**

- **Keshavarzifard**, **M**., Zakaria, M. P. **2015**. Polycyclic Aromatic Hydrocarbons (PAHs) Contamination of Surface Sediments from Port Dickson, Malaysia: Distribution, Sources and Ecological Risk Assessment. ***Environmental Forensics***, Volume 16, Issue 4, pp 322-332. http://dx.doi.org/10.1080/15275922.2015.1059392. **Taylor & Francis**. **ISI.**

- Alkhadher, S. A. A., Zakaria, M. P., Yusoff, F. M., Kannan, N., Suratman, S., **Keshavarzifard**, **M.**, Magam, S. M., Masood, N., Vaezzadeh, V., M.S.A.Sani., **2015**. Baseline Distribution and Sources of Linear Alkyl Benzenes (LABs) in Surface Sediments from Brunei Bay, Brunei. ***Marine Pollution Bulletin,*** Volume 101, Issue 1, pp 397-403. http://dx.doi.org/10.1016/j.marpolbul.2015.10.011. **Elsevier**. **ISI**.

- Vaezzadeh, V., Zakaria, M. P., Mustafa, S., Ibrahim, Z.Z., Shau-Hwai, T., **Keshavarzifard**, **M.**, Magam, S.M., Masood, N. **2015**. Source Type Evaluation of Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Sediments from the Muar River and Pulau Merambong, Peninsular Malaysia. ***Environmental Forensics***, Volume 16, Issue 2, pp 135-142. **DOI:**10.1080/15275922.2015.1022839. **Taylor & Francis**. **ISI.**

- Alkhadher, S. A. A., Zakaria, M. P., Yusoff, F. M., Kannan, N., Suratman, S., **Keshavarzifard**, **M.**, Magam, S. M., Masood, N., Vaezzadeh, V. **2015**. Distribution and Sources of Linear Alkyl Benzenes (LABs) in Surface Sediments from Johor Bahru Coast and the Kim Kim River, Malaysia. ***Environmental Forensics***, Volume 17, Issue 1, pp 36-47. **Taylor & Francis**. **ISI.**

2014

- **Keshavarzifard**, **M**., Zakaria, M. P., Shau Hwai, T., Mustafa, S., Vaezzadeh, V., Magam, S. M., Masood, N., Alkhadher, S. A. & Abootalebi-Jahromi, F. **2014**. Baseline distributions and sources of Polycyclic Aromatic Hydrocarbons (PAHs) in the surface sediments from the Prai and Malacca Rivers, Peninsular Malaysia. ***Marine Pollution Bulletin***, Volume 88, Issues 1–2, pp 366–372. **DOI**:10.1016/j.marpolbul.2014.08.014. **Elsevier**. **ISI**.

2012

- **Keshavarzifard, M.,** Moradi A. M., Fatemi, S. M. R., Sari, A. E., **2012**. Study of Organochlorine Pesticides in Sediments from the Southern Caspian Sea. ***Environmental Sciences and Technology***, Volume 14, Issue 2, pp 107-113. In Persian.

2010

- **Keshavarzifard, M.,** Moradi A. M., Fatemi, S. M. R., Sari, A. E., **2010**. Organochlorine Pesticides in Stellate Sturgeon Muscle Tissue in South Caspian Sea. ***Environmental Sciences***. Volume 5, Issue 3, pp 65-74. In Persian.

Peer Reviewed Journal Papers; Under Submission Process

- Application of Chemometric Techniques in Distribution, Source Apportionment and Health Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Coastal Area of Brunei

- Abbasi, S., Turner, A., Sharifi, R., Nematollahi, M., **Keshavarzifard, M.,** Moghtaderi, T., Microplastics in the school classroom. ***Environmental Pollution***. Under Review.

- The Status of Potentially Toxic Elements in the Musa Bay, Persian Gulf

Conference Papers:

- **Keshavarzifard, M.,** Sharifinia, M., Moradi Gh., Yeganeh, V., Shrimp Aquaculture: An insight in Environmental Impacts, **2021**. ***2nd International Conference on Marine Sustainable Development***. **Yazd, Iran.**

- Sharifinia, M., **Keshavarzifard, M.,** Application of Desalination Brine Discharges as a Potential Media for Algaculture. **2020**. ***2nd International Conference on Haloculture***. **Yazd, Iran.**

- **Keshavarzifard**, **M**., Moore, F., Keshavarzi, B., Composition, Distribution, and Sources of Polycyclic Aromatic Hydrocarbons (PAHs) in Sea Urchin (*Echinometra mathaei*) in Intertidal Zone of Asaluyeh, Persian Gulf. **2017**. ***144th International Conference on Environmental Science and Development (ICESD)*. Copenhagen, Denmark.** Abstract Acceptance.

- Keshavarzifard, S., Keshavarzi, B., Zamani, A., Khosravi, Y., **Keshavarzifard**, **M**., Polycyclic Aromatic Hydrocarbons (PAHs) in Iranian Aquatic Ecosystems (Caspian Sea, Persian Gulf and Oman Sea). **2017**. ***1st National Conference in New Ideas & Technologies in Geographical Sciences***. **University of Zanjan, Zanjan, Iran.**

- **Keshavarzifard**, **M**., Zakaria, M. P., Alkhadher, S. A., Magam S. M., Masood, N., & Abootalebi-Jahromi, F., Aliphatic Hydrocarbons in Surface Sediments from the Kedah and Merbok Rivers and Estuaries, Peninsular Malaysia. **2015**. ***International Conference on Environmental Forensics (iENFORCE2015)***. **Kuala Lumpur, Malaysia**.

- **Keshavarzifard**, **M**., Zakaria, M. P., Hwai, T. S., Yusuff, F. M. & Mustafa, S. Distribution, Sources and Ecotoxicological Risks Assessment of PAHs in Surface Sediments from the Johor Strait, Peninsular Malaysia. **3rd International Conference on Oceanography**, **2015. Philadelphia, USA**. Abstract Acceptance.

- **Keshavarzifard**, **M**., Zakaria, M. P., Keshavarzifard, S., Occurrence of Aliphatic Hydrocarbons in Sediments of the Perak and Malacca Rivers System, Peninsular Malaysia: Assessment and Source Recognition of Non-aromatic Hydrocarbons. **2015.** ***The International Congress on Environment*.** **Tehran, Iran**.

- **Keshavarzifard**, **M**., Zakaria, M. P., Keshavarzifard, S., Alkhadher, S. A., Magam S. M., Masood, N. Aliphatic Hydrocarbons in Surface Sediments from the Prai and Klang Rivers and Estuaries, Peninsular Malaysia. **2015**. ***The 1st International Environment and Natural Resources Conference***, **Shiraz, Iran.**

INVITED PRESENTATIONS

- **Keshavarzifard, M.,** Sharifinia, M., Moradi Gh., Yeganeh, V., Shrimp Aquaculture: An insight in Environmental Impacts, **2021**. ***2nd International Conference on Marine Sustainable Development***. **Yazd, Iran.**

- Keshavarzifard, S., Keshavarzi, B., Zamani, A., Khosravi, Y., **Keshavarzifard**, **M**., Polycyclic Aromatic Hydrocarbons (PAHs) in Iranian Aquatic Ecosystems (Caspian Sea, Persian Gulf and Oman Sea). **2017**. ***1st National Conference in New Ideas & Technologies in Geographical Sciences***. **University of Zanjan, Zanjan, Iran.**

- **Keshavarzifard**, **M**., Zakaria, M. P., Keshavarzifard, S., Sharifi, R., Distribution and Sources of Aliphatic Hydrocarbons in Surface Sediments from two Major Rivers of Peninsular Malaysia. **2016**. ***4th National Conference on Applied Research in Agriculture Science***. **Tehran, Iran.**

- **Keshavarzifard, M.,** Zakaria, M. P., Keshavarzifard S., Magam, S. M., Masood, N., Alkhadher, S. Aliphatic Hydrocarbons in Surface Sediments from the Prai and Klang Rivers and Estuaries, Peninsular Malaysia. **2015**. ***The 1st International Environment and Natural Resources Conference***, **Shiraz**, **Iran**.

- **Keshavarzifard, M.,** Zakaria, M. P., Keshavarzifard S. Occurrence of Aliphatic Hydrocarbons in Sediments of the Perak and Malacca Rivers, Peninsular Malaysia: Assessment and Source Recognition of Non-aromatic Hydrocarbons. **2015.** ***The International Congress on Environment*****. Tehran, Iran**.

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