

Curriculum Vitae

Personal information

First name/ Surname Aliakbar Hedayati
Academic position Associate Professor since 2015, Assistant Professor since 2010
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Nationality Iranian
Date of birth September 07, 1981



Research gate: https://www.researchgate.net/profile/Aliakbar_Hedayati ; Scholar google: <https://scholar.google.com/citations?user=V3MVt1AAAAAJ&hl=en> ; Scopus ID: 35226481400
Researcher ID: R-1734-2016 ; ORCID ID: <http://orcid.org/0000-0001-7658-5314>

Educational History

1999 – 2003 BSc. Student of Fisheries, Faculty of Natural Resources, Isfahan University of Technology, Isfahan, I.R.IRAN.
2004 – 2006 MSc. Student of Fisheries, Faculty of Marine Natural Resources, Korramshahr University of Marine Sciences and Technology, Korramshahr, I.R.IRAN.
2007-2011 PhD Student of Marine Biology, Faculty of Marine Sciences, Korramshahr University of Marine Sciences and Technology, Korramshahr, I.R.IRAN.

MSc. Average: 18.86 from 20

PhD. Average: 18.89 from 20

Awards:

The most Elite Youth of Iran - Awarded by National Elite Foundation. Qualified as a Member of Iranian Elites.
Top graduated student of Korramshahr University of Marine Sciences and Technology.
Ranked as top student of Faculty of Marine Natural Resources in 2006.
PhD grant award student by Iranian National Elite Foundation.
Young Assistant Professor award by Iranian National Elite Foundation.
Honors by Young researchers club by Islamic Azad University.
Honors by student researchers club by Ministry of Science and Technology.
Awarded as the best submitted thesis in the field of marine sciences in Iran.
The only presented MSc. thesis in the faculty by 20 from 20 in 2006.
Honors best MSc. Student in 2006. -Qualified by Korramshahr University of Marine Sciences and Technology.
Honors best student researcher in 2006 and 2009 -Qualified by Korramshahr University of Marine Sciences and Technology.
Awarded by talented student organization of Korramshahr University of Marine Sciences and Technology.
Honors oral presenter of 6th Conference of Marine Sciences and Technology, Nowshahr, Iran.
Honors research project in 8th Research Festival of Ferdowsi, Mashahd, Iran.
Honors patent awarded and qualified by Iranian National Elites Foundation.

Courses:	Visited researcher, CRIAcq, Centro interdipartimentale di ricerche per la gestione delle risorse idrobiologiche e per l'acquacoltura, Agriculture Faculty, University of Naples Federico II, Portici (Naples), Italy.
Reference:	Prof. Morteza Alizadeh Iranian Fisheries Research Organization, Tehran, Iran. Email: m_alizadeh47@yahoo.com ; www.ifro.ir Mobile:+989123077136
Title of MSc. Thesis:	Study on somatic and Gonadic Growth Indices of Great Sturgeon (<i>Huso huso</i> Linnaeus, 1758) in Brackish Water Condition.
Title of PhD Thesis:	Detection of Mercury Pollution Biomarkers with some Ecophysiological Indices in the Liver of Yellowfin Seabream, <i>Acanthopagrus latus</i> (Houttuyn, 1782)
Scientific Societies Membership:	National Elite Foundation of Iran Word Aquaculture Society (WAS) Word Sturgeon Conservation Society (WSCS) Iranian Marine Sciences Association Iranian Ichthyology Association Iranian Biology Association Student Researchers Club of Iran Young Researchers Club of Iran
Research Interests:	Main area of research: Aquatic Toxicology, Marine Pollution Second area of research: Marine Biology, Marine Ecology, Marine Environment
Computer Experiences:	Microsoft Office, SPSS, Probit,
Journals editor: (In English)	Editorial board member of Journal of Coastal Development Editorial board member of Annals of Aquaculture and Research Editorial board member of Journal of Biological Diversity Editorial board member of Journal of Wildlife and Biodiversity (JWB)
Journals peer reviewer: (In English)	<ol style="list-style-type: none"> 1. <i>Journal of Ocean University of China</i> 2. <i>Fish and Shellfish Immunology</i> 3. <i>Ecotoxicology and Environmental Safety</i> 4. <i>World Applied Science Journal</i> 5. <i>Environmental Monitoring and Assessment</i> 6. <i>Journal of Costal Medicine</i> 7. <i>Toxicology and Industrial Health</i> 8. <i>Journal of Aquaculture research and developments</i> 9. <i>Iranian Journal of Fisheries Sciences</i> 10. <i>Iranian Journal of Veterinary Research</i> 11. <i>Caspian Journal of Environmental Sciences</i>
List of Published Articles (In English)	

Selected Peer reviewed Journals:

1. Vajargah, M.F. Yalsuei, A.M. **Hedayati, A. 2017.** Acute toxicity of povidone-iodine (Betadine) in common carp. *Pollution*. 3(4): 589-593.
2. Forouhar, M. Ghaffari, H. Gerami, M.H. **Hedayati, A. Nezhadheydari, H. 2017.** Effect of the prebiotic in reducing histopathological changes and immune response of cyprinus carpio after exposure to abamectin. *Iranian Journal of Toxicology*. *Accept.*
3. Mohammadi, A. **Hedayati, A. Forouhar Vajargah, M. Mousavi, H. 2017.** Examining the toxicity of Cadmium chloride in common Carp and Goldfish. *Journal of Environmental Treatment Techniques*. 5(2): 83-86.
4. **Hedayati, A. Mohammadai, A. Forouhar, M. 2017.** Acute Toxicity Test as a Method to Assessment Toxicity of Pollutants. *Annals of Aquaculture and Research*. 4(2):1036.
5. **Hedayati, A. Darabi Tabar, F. Ahmadvand, S. Ahmadvand, S. 2017.** Acute toxicity effects of titanium nano particle TiO₂ NPs on hematological indices in Goldfish. *NUSANTARA BIOSCIENCE*, 9(2): 152-155.
6. Hosseinnia, Z. Tarkhani, R. Darabi Tabar, F. Poorhoseini, M. **Hedayati, A. 2017.** EVALUATION OF MOSQUITO CULEX QUINQUEFASCIATUS MORTALITY RATE IN THE FACE OF LETHAL CONCENTRATION OF DELTAMETHRIN AND DIAZINON TOXINS. *Transylv. Riv. Syst. Ecol. Res "the wetland diversity"*. 19(2):45-52.
7. Forouhar, M. **Hedayati. 2017.** Toxicity effects of cadmium in grass carp and bighead carp. *Transylv. Riv. Syst. Ecol. Res "the wetland diversity"*. 43-48.
8. **Hedayati, A. Forouhar, M. 2017.** Acute toxicity of butachlor to *Rutilus rutilus caspicus* and *Sander lucioperca* in vivo condition. *Transylv. Riv. Syst. Ecol. Res "the wetland diversity"*. 85-92.
9. **Hedayati, A. Darabi Tabar, F. 2017.** Lethal and sub-lethal impacts of lead on some hematological, biochemical and immunological indices in Caspian roach. *Pollution*, 3(1): 21-27.
10. **Hedayati A. Pouladi, M. Vazirzadeh, A. Qadermazi, A. Mehdipour, N. 2017.** Seasonal variations in abundance and diversity of copepods in Mond River estuary, Bushehr, Persian Gulf. *BIODIVERSITAS*. 18(1): 229-237.
11. Chardeh Baladehi, E. **Hedayati, A. Kolangi Miandareh, H. Bagheri, T. 2017.** The hematological improvement of rainbow trout during dietary supplementation with Vitamin C after exposure to zinc nano particles. *Iranian Journal of Fisheries Sciences*. 16(1):162-169.
12. Paighambari, S. Pouladi, M. Parsa, M. Mehdipour, N. Haghightajou, N. Jabaleh, A. **Hedayati A. 2017.** Seasonal relative abundance of fish larvae in Helleh River estuary (north of the Persian Gulf, Iran).
13. Hoseini, M. **Hedayati, A. Taheri Mirghaed, A. Ghelichpour, M. 2016.** Toxic effects of copper sulfate and copper nanoparticles on minerals, enzymes, thyroid hormones and protein fractions of plasma and histopathology in common carp. *Experimental and Toxicologic Pathology*. 68 (9): 493-503.
14. **Hedayati, A. 2016.** Yellowfin Seabream, a Target Species for Monitoring of Coastal Pollutants. *Coastal Zone Management*. 19 (1):116. DOI:10.4172/jczm.1000e116 (Editorial paper).
15. Sadeghi, P. Rezaei, H. **Hedayati, A. 2016.** Thermodynamic and kinetic studies for the adsorption of Cd (II) using nanoparticles of TiO₂ from aqueous solution. *Chemical Technology, An Indian Journal*. 11(4):149-158.
16. **Hedayati, A. 2016.** Effect of 2- phenoxyethanol anesthesia on some haematological and biochemical indices of silver carp. *Iranian Journal of Fisheries Sciences*. (Accepted)
17. **Hedayati, A. Khosravi, Kh. 2016.** Impact of Mercury on the Liver and Ovary of Yellowfin Sea bream in the Persian Gulf. *Ecopersia*. 4 (1): 1295-1312.
18. **Hedayati, A. Darabi Tabar, F. Bagheri, T. Moradzadeh, M. Jafari, O. 2016.** Effect of Lethal concentration of commercial gasoline on Caspian Roach. *Avicenna Journal of Environmental Health Engineering* (doi: 10.17795/ajehe-5409). 3(1):5409.
19. Soltani, Z. Ghorbani, R. **Hedayati, A. Ghafari H. Gerami, M. 2016.** Comparative Destructive Effect of Waterborne Zinc Nanoparticles and Zinc sulfate on *Capoeta capoeta gracilis* Hematological Indices. *Journal of FisheriesSciences.com*. 10(3): 17-22.
20. **Hedayati, A. 2016.** Liver as a Target Organ for Eco-Toxicological Studies. *Coastal Zone Management*. 19(3): doi:10.4172/jczm.1000e118 (Editorial paper). 19(3)
21. Baharvand, F. Baharvand, A. **Hedayati, A. Rezaie, H. 2016.** Possibility of using nano-iron enriched with nano-clay as urban wastewater nano-filter. *Invertis Journal of Renewable Energy*. 6(2):67-74.
22. Abarghuei, S. **Hedayati, A. Ghorbani, R. Kolangi H. Bagheri, T. 2016.** Histopathological effects of waterborne silver nanoparticles and silver salt on the gills and liver of goldfish. *Int. J. Environ. Sci. Technol*. 13:1753–1760.
23. Ghorbani R.; Hosseini S.A.; **Hedayati S.A.A.; Hashemi S.A.R.; Abolhasani M.H. 2016.** Evaluation of effects of physico-chemical factors on chlorophyll-a in Shadegan International Wetland-Khuzestan Province – Iran. *Iranian Journal of Fisheries Sciences* 15(1) 360-368.
24. Hashemi, A.R. Ghorbani, R. Kaymaram, F. Hosseini, A. Eskari, G. **Hedayati, A. 2016.** Relationship of physicochemical factors with fish biomass and production in Shadegan Wetland, Iran. *BIODIVERSITAS*. 17(2):515-522.
25. Mansouri, M. Mousavi, H. Sattari, M. Nassrollahzadeh, A. **Hedayati, A. 2016.** Age, sex ratio, spawning season and fecundity of *Alburnoides eichwaldii* (Pisces: Cyprinidae), from Sefidroud River. *Biharean Biologist*. 10 (2): 93-97.
26. **Hedayati, A. Salati, A. 2015.** Acute Toxicity Test of Detergent Powder in Silver Carp, Common Carp, Goldfish, Roach. *Iranian Journal of Aquatic Animal Health*. 2 (1): 11-16.

27. **Hedayati**, A. Ghaffari, H. Gerami, M.H. **2015**. Length–weight relationships of two fish species from Gamsiab Reservoir, western Iran: *Alburnus mossulensis* and *Luciobarbus esocinus* Heckel, J. Appl. Ichthyol. DOI: 10.1111/jai.12915.
28. **Hedayati**, A. **2015**. Biomarkers as New Monitoring Method of Coastal Pollutants. Coastal Zone Management. Volume 18. Issue 4, 1000e114. (Editorial paper)
29. Mansouri, M. Mousavi, H. Sattari, M. nassrollahzadeh, A. **Hedayati**, A. **2015**. Age, sex ratio, spawning season and fecundity of *Alburnoides eichwaldii* (Pisces: Cyprinidae), from Sefidroud River. Biharean Biologist. (In press).
30. **Hedayati**, Hoseini, M. Hoseinifar, S. **2015**. Response of plasma cooper, ceruloplasmin, iron and ions in carp to waterborne copper ion and nanoparticle exposure. Comparative physiology and biochemistry (part C). dx.doi.org/10.1016/j.cbpc.2015.09.007
31. Salati, A. **Hedayati**, A. **2015**. Acute Toxicity Test of Detergent Powder in Silver Carp, Common Carp, Goldfish, Roach. Iranian Journal of Aquatic Animal Health. (In press).
32. **Hedayati**, Ghaffari, H. Shahbazi, S. Gerami, M.H. **2015**. Acute Toxicity and Behavioral Changes Associated with Diazinon in *Rutilus rutilus caspicus* and *Hypophthalmichthys molitrix*. Iranian Journal of Toxicology. 9, No 30
33. Abarghuei, S. **Hedayati**, A. Ghafari Farsani, H. Gerami, M.H. **2015**. Hematological responses of Goldfish to different acute concentrations of Silver Sulfate as a toxicant. Pollution, 1(3): 247-256
34. Hashemi, A.R. Ghorbani, R. Kaymaram, F. Hosseini, A. Eskari, G. **Hedayati**, A. **2015**. Fish Species Composition, Distribution and Abundance in Shadegan Wetland. Fisheries and Aquaculture Journal. 6(2).
35. **Hedayati** and Hassan Nataj Niazie. **2015**. Hematological changes of silver carp in response to Diazinon pesticide. Journal of Environmental Health Science & Engineering. 13:52 DOI 10.1186/s40201-015-0208-9.
36. **Hedayati**, A. Hoseini, A.M. Ghelichpour, M. **2015**. Acute toxicity of waterborne manganese to *Rutilus caspicus* (Yakovlev, 1870) – gill histopathology, immune indices, oxidative condition, and saltwater resistance, Toxicological & Environmental Chemistry, DOI: 10.1080/02772248.2015.1028408
37. Khabbazi, M. Harsij, M. **Hedayati**, A. Gholipoor, H. Gerami, M.H. Ghafari Farsani, H. **2015**. Effect of CuO nanoparticles on some hematological indices of rainbow trout their potential toxicity, Nano-medicine Journal. 2(1): 67-73.
38. Jahanbakhshi, A. **Hedayati**, A. Pirbeigi, A. Javadimoosavi, M. **2015**. Determination of acute toxicity and the effects of sub-acute concentrations of CuO-NPs on blood parameters in *Rutilus rutilus*. NanoMedicine Journal. 2(3): 195-202.
39. Khabbazi, M. Harsij, M. **Hedayati**, A. Gerami, M.H. Ghafari Farsani, H. **2014**. Histopathology of rainbow trout gills after exposure to copper. Iran. Journal of Ichthyology. 1(3): 191–196
40. Sadeghi, A. **Hedayati**, A. **2014**. Investigation of LC50, NOEC, LOEC of Glyphosate, Deltamethrin Pretilachlor in Guppies. Iranian journal of Toxicology. Volume 8, No 26. 1124-1129.
41. Sadeghi, A. **Hedayati**, A. **2014**. Investigation of Acute Toxicity Diazinon, Deltamethrin, Butachlor pretilachlor on Zebra Cichlid. Iranian journal of Toxicology. 8:25. 1086-1092.
42. **Hedayati**, A. Forouhar Vajargah, M. Mohamadi Yalsuyi, A. Abarghoei, S. HajiAyan, M. **2014**. Acute toxicity test of pesticide abamectin on common carp. Journal of Coastal Life Medicine. 2(11): 841-844.
43. Forouhar Vajargah, M. **Hedayati**, A. **2014**. The Effect of Preservation in Formalin on the Morphological Characters of Spiralin. Journal of Environmental Treatment Techniques. 2:3. P: 106-108.
44. Hoseini, M. **Hedayati**, A. Ghelichpour, M. **2014**. Plasma metabolites, ions thyroid hormones levels, hepatic enzymes' activity in Caspian roach exposed to waterborne manganese. Ecotoxicology Environmental Safety. 107:84-89.
45. Hashemi, A.R. Ghorbani, R. Kaymaram, F. Hosseini, A. Eskari, G. **Hedayati**, A. **2014**. Estimation of fish composition catchability coefficient of gillnet in the Shadegan Wetland. Iranian Journal of Ichthyology. 1(1): 51–60.
46. Forouhar Vajargah, M. **Hedayati**, A. **2014**. Acute toxicity of trichlorofon on four viviparous fish (Cyprinodontiformes: Poeciliidae). Journal of Coastal Life Medicine. 2(7): 511-514.
47. **Hedayati**, A. Tarkhani, R. **2014**. Hematological gill histopathological changes in iridescent shark exposed to sub lethal diazinon and deltamethrin concentrations. Fish Physiology and Biochemistry. 40:715–720
48. Sadeghi, A. **Hedayati**, A. **2013**. Investigation of acute toxicity of diazinon deltamethrine, butachlore pertilachlor on Zebra cichlid. Iranian journal of Toxicology. 8: 25.
49. Vaboonian, A. MovahediniA. A. Safahieh, A. **Hedayati**, A. **2013**. Serum biochemical changes of yellowfin sea seabream in response to sublethal cadmium toxicity. Comparative Clinical Pathology. DOI 10.1007/s00580-013-1851-0.
50. Mansouri Chorehi, M. Ghaffari Farsani, H. Hossaini, A. H Nataje Niazie, E. Forouhar Vajargah, M. **Hedayati**, A. **2013**. Acute toxicity of diazinon to the Caspian vimba. (Cypriniformes: Cyprinidae). International Journal of Aquatic Biology. 1(6): 254-257.
51. Hashemi, A. Taghavimotlagh, A. **Hedayati**, A. Ghorbani, R. **2013**. Spawning cycle, GSI index length maturity of deep flounder in northwest of Persian Gulf. Journal of Animal Poultry Sciences, 2(1): 1-10.
52. **Hedayati**, A. Ghaffari, Z. **2013**. Effect of Mercuric Chloride on Some Hematological, Biochemical Parameters in Silver Carp. International Journal of Veterinary Medicine: Research & Reports, DOI: 10.5171/2013.183410.
53. **Hedayati**, A. Ghaffari, Z. **2013**. Evaluation of the Effects of Exposure to Copper Sulfate on some Eco-physiological Parameters in Silver Carp. Iranian Journal of Toxicology. 7(22): 887-893.
54. Forouhar Vajargah, M. Hossaini, S.A. **Hedayati**, A. **2013**. Acute toxicity test of two pesticides diazinon and deltamethrin on spiralin larvae fingerling. Journal of Toxicology Environmental Health Sciences. 5(6): 106-110.

55. Forouhar Vajargah, M. Hossaini, A. Hassan Nataje Niazie, E. Vesaghi, M.J. **Hedayati**, A. **2013**. Acute toxicity of two pesticides diazinon deltamethrin on Tench larvae fingerling. *International Journal of Aquatic Biology*. 1(3): 138-142.
56. Shaluei, F. **Hedayati**, A. Jahanbakhshi, A. Kolangi, H. Fotovat, M. **2013**. Effect of subacute exposure to silver nanoparticle on some hematological plasma biochemical. *Human Experimental Toxicology*. DOI: 10.1177/0960327113485258.
57. Sharifian, M. Khani, F. Khosravi, K. Khalili, M. **Hedayati**, A. **2013**. Sub-lethal effect of nano-silver on the structure of gill of Caspian roach fingerlings. *International Journal of Aquatic Biology*. 1(2): 55-60.
58. **Hedayati**, A. Jahanbakhshi, A. Shaluei, F. Kolbadinezhad, S.M. **2013**. Acute Toxicity Test of Mercuric Chloride (HgCl₂), Lead Chloride (PbCl₂) Zinc Sulphate (ZnSO₄) in Common Carp. *Journal of Clinical Toxicology*. 3:156. doi:10.4172/2161-0495.1000156.
59. Jahanbakhshi, A. **Hedayati** A. Harsij M. Barkhordar, M. **2013**. Hematological biochemical responses of common carp to direct infusion of crude oil. *Comparative Clinical Pathology*. DOI 10.1007/s00580-013-1691-y.
60. **Hedayati**, A. Tarkhani, R. Shadi, A. Bagheri, T. Harsij, M. Tajari, M. **2013**. Median lethal concentration of two pesticides, diazinon deltamethrin, on Tra catfish. *Toxicology and Industrial Health*. DOI: 10.1177/0748233713475499.
61. Jahanbakhshi, A. **Hedayati**, A. Ghaderi Ramazi Fatemeh. **2012**. Effect of hypochlorite sodium as an agent detergent on mortality response of fishes. *International Journal of Anatomy Physiology*, 1 (1): 7- 10.
62. **Hedayati**, A. Kolangi Miareeh, H. Jahanbakhshi, A. Shaluei, F. **2012**. Evaluation of silver nanoparticles ecotoxicity in Silver carp Goldfish. *Bulgarian Journal of Veterinary Medicine*. 15 (3): 172-177.
63. **Hedayati**, A. Kolangi Miareeh, H. Jahanbakhshi, A. Shaluei, F. Ghaderi Ramazi, F. Alizadeh, M. **2012**. Detection of LC50 of crude oil in silver carp, common carp Caspian roach. *Toxicology Industrial Health*. DOI: 10.1177/0748233712456063.
64. **Hedayati**, A. R Tarkhani A Shadi. **2012**. Toxicity response of Poecilia to some agricultural pesticides. *Bioscience*, 4: (1) 6-10.
65. **Hedayati** A. Shaluei, F. Jahanbakhshi, A. Kolangi Miareeh, H. Alizadeh, M. **2012**. Detection of LC50, NOEC LOEC of some heavy metals (mercury, plumb zinc) in freshwater fish Roach. *Toxicology Industrial Health*. DOI: 10.1177/0748233712457450.
66. **Hedayati**, A. Tarkhani, R. Shadi, A. **2012**. Investigation of Acute Toxicity of Two Pesticides Diazinon Deltamethrin, on Blue Gourami. *Global Veterinaria* 8 (5): 440-444.
67. Khalili, M. Khaleghi, R. **Hedayati**, A. **2012**. Acute Toxicity Test of Two Pesticides Diazinon Deltamethrin, on Swordtail Fish. *Global Veterinaria* 8 (5): 541-545
68. **Hedayati**, A. **2012**. Effect of Marine Mercury Toxicity on Immunological Responses of Seabream. *Asian Journal of Animal Sciences*.
69. **Hedayati**, A. Hosseini, A.R. **2012**. Endocrine Disruptions Induced by artificial induction of Mercury on Seabream. *Comparative Clinical Pathology*. DOI 10.1007/s00580-012-1465-y.
70. **Hedayati** A. Arsham A. **2012**. Endocrine Disruption Induced by Sub-Lethal Mercury Chloride on Hormone Indices of Sea bream. *World Journal of Fish Marine Sciences*. 4 (2): 125-130.
71. **Hedayati**, A. Jahanbakhshi, A. **2012**. Biochemical Changes in the Beluga Exposed to Acute Crude Diesel. *Toxicology Industrial Health*. DOI: 10.1177/0748233711434958.
72. **Hedayati**, A. Safahieh, A. **2011**. Serum hormone biochemical activity as biomarkers of mercury pollution in the Yellowfin seabream. *Toxicology Industrial Health*. DOI: 10.1177/0748233711410916.
73. **Hedayati**, A. Safahieh, A. Savari, A. Movahedinia. A. Zare, P. Bagheri, T. **2011**. Serum Biochemical Change Induced by In vitro Sub Chronic Mercury Chloride in Yellowfin Sea Bream. *Iranica Journal of Energy & Environment* 2 (3): 208-214.
74. Alizadeh, M. **Hedayati**, A. Bahmani, M. **2011**. Seasonal changes of blood serum ions in Beluga Cultured in Brackish Water. *Iranian Journal of Fisheries Sciences*. 10 (3): 529-536.
- 75.
76. **Hedayati**, A. Jahanbakhshi, A. **2012**. The Effect of Water Soluble Fraction of Diesel Oil on some Hematological Indices in the Great Sturgeon. *Fish Physiology Biochemistry*. DOI 10.1007/s10695-012-9672-7.
77. Shaluei, F. **Hedayati**, A. Jahanbakhshi, A. Baghfalaki, M. **2012**. Effects of nanometer-sized silver materials on survival response of Caspian roach. *Toxicology Industrial Health*. DOI: 10.1177/0748233712457445.
78. **Hedayati**, A. Jahanbakhshi, A. **2012**. Hematotoxic Effects of Direct Infusion of Crude Diesel Oil on Juvenile Great Sturgeon. *Comparative Clinical Pathology*. DOI 10.1007/s00580-012-1538-y.
79. Jahanbakhshi, A. **Hedayati**, A. **2012**. Gill histopathological changes in Great sturgeon after exposure to crude water soluble fraction of diesel oil. *Comparative Clinical Pathology*. DOI: 10.1007/s00580-012-1531-5.
80. Jahanbakhshi, A. **Hedayati**, A. **2012**. The Effect of Water Soluble Fraction of Crude oil on Serum Biochemical Changes in the Great Sturgeon. *Comparative Clinical Pathology*. DOI 10.1007/s00580-012-1535-1.
81. **Hedayati**, A. Kolangi, H. Shaluei, F. Jahanbakhshi, A. **2012**. Toxicity responses of Silver carp Roach during lethal exposure to Deltamethrin. *Journal of Comparative Clinical Pathology Research*. 1:2. 47-51.
82. Shaluei, F. **Hedayati**, A. Jahanbakhshi, A. Baghfalaki, M. **2012**. Physiological responses of great sturgeon to different concentrations of 2-phenoxyethanol as an anesthetic. *Fish Physiology Biochemistry*. DOI 10.1007/s10695-012-9659-4.
83. Jahanbakhshi, A. **Hedayati**, A. **2012**. Effects of crude diesel oil on the enzymatic defenses of the Great sturgeon. *Toxicology Industrial Health*. DOI: 10.1177/0748233712445046.

84. **Hedayati, A.** Shaluei, F. Jahanbakhshi, A. **2012.** Comparison of Toxicity Responses by Water Exposure to Silver Nanoparticles Silver Salt in Common Carp. *Global Veterinaria*. 8 (2): 179-184.
- 85.
86. **Hedayati, A.** Safahieh, A. Savari, A. Marammazi, Jasem Ghofle. **2010.** Detection of Range Finding Test of Mercury Chloride in Yellowfin Sea Bream. *Iranica Journal of Energy & Environment*. 1 (3): 228-233.
87. Alizadeh, M. **Hedayati, A.** Bahmani, M. Jamalzadeh H. **2010.** Seasonal fluctuations of steroid hormones in beluga sturgeon cultured in brackish water. *International Aquatic Research*. 2: 121-126.
88. Imanpoor, M. Bagheri, T. **Hedayati, A.** **2010.** The Anesthetic Effects of Different Clove Essence Concentration Combined with Two Time on Persian Sturgeon. *Journal of Fisheries Society of Taiwan*, 37(2): 87-97.
89. Safahieh, A. **Hedayati, A.** Savari, A. Movahedinia. A. **2010.** Experimental approaches of hematotoxic immunotoxic effects of mercury chloride on Yellowfin Sea Bream. *American-Eurasian Journal of Toxicological Science*.
90. **Hedayati, A.** Bagheri, T. **2010.** Effect of some physiochemical parameters on hatching ability in cyst of Artemia. *World Journal of Zoology*. 5(4): 295-297.
91. Bagheri T. **Hedayati, A.** **2009.** Determination of optimum range of salinity in hatching rate of Artemia. *Transylvanian Review of Systematical Ecological Research*. (8: The Wetlands Diversity). 59-65.
92. **Hedayati, A.** Bagheri, T. **2009.** Environmental effect threat of ballast water. *Transylvanian Review of Systematical Ecological Research*. (8: The Wetlands Diversity). 185-191.
93. **Hedayati, A.** Rad, G. Askari, M. Atabati, A. Naser Alavi, G. **2009.** Effects of anionic detergent on blood factors and liver structure of common carp. *Acta Ichtiol. Roman. II*. 127-136.
94. Bagheri, T. **Hedayati, A.** **2009.** The effect of probiotic on growth, survival gut and microbial load of the Rainbow trout. *Acta Ichtiologica Romanica. II*. 25-36.
95. Bagheri, T. **Hedayati, A.** Jaferian, A. Askari, M. Movahedinia, A. **2008.** The Study of Seasonal Fluctuation of Steroid Hormones in Great Sturgeon Cultured in Brackish Water Condition. *Bulgarian Journal of Agricultural Sciences*. 14 (4): 432-435.
96. **Hedayati, A.** Yavari, V. Bahmani, M. Alizadeh, M. Bagheri, T. **2008.** Study of Some Gonadic Growth Index of Great Sturgeon cultured in Brackish Water Condition. *Bulgarian Journal of Agricultural Sciences*. 14(1): 93-99.
97. Bagheri, T. **Hedayati, A.** Yavari, V. Alizade, M. Farzanfar, A. **2008.** Growth, survival gut microbial load of rainbow trout fry given diet supplemented with probiotic during the two months of first feeding. *Turkish Journal of Fisheries and Aquatic Sciences*. 8: 43-48.

Selected Conference papers:

1. **Hedayati, A.** Bagheri, T. **2016.** TOXICITY EFFECTS OF TITANIUM NANO PARTICLES ON BLOOD INDICES IN GOLDFISH. *International Symposium on Fisheries and Aquatic Science*. Antalya. Turkey. 97.
2. **Hedayati, A.** Darabitabar, F. Bagheri, T. **2016.** HEMATOLOGICAL, IMMUNOLOGICAL AND BIOCHEMICAL LESIONS OF CASPIAN ROACH IN RESPONSE TO HEAVY METAL LEAD. *International Symposium on Fisheries and Aquatic Science*. Antalya. Turkey. 84.
3. Bagheri, T. **Hedayati, A.** **2016.** TOXICITY EFFECTS OF DIADZIN AND GENISTEN ON STEROID HORMONS AND GONADS IN GOLDFISH. *International Symposium on Fisheries and Aquatic Science*. Antalya. Turkey. 63-64.
4. **Hedayati, A.** **2016.** Optimize of new bio-technic of caviar production in brackish water, sustainable application of unused waters for aquaculture. *International scientific conference of Science, technology and innovative technologies in the prosperous epoch of the powerful state*. Ashgabat, Turkmenistan. P 153-154.
5. **Hedayati S.A.** **2015.** ETHICS FOR FISH TOXICOLOGY STUDIES: PROTOCOLS OF EARLY EUTHANASIA. *Middle East and central Asia aquaculture*, Tehran. Iran. P 187.
Hedayati S.A. **2015.** GENO-TOXICOLOGY OF AQUATIC ANIMALS: A NOVEL BIOMARKER FOR ENVIRONMENTAL MONITORING AND RISK ASSESSMENT. *Middle East and central Asia aquaculture*, Tehran. Iran. P 188.
6. **Hedayati S.A.,** Georgiev G., Bagheri T. **2015.** "Deep coral reef: geology, structure, biogeography, sensitivity and potential to petroleum on the Persian Gulf" VI International Conference of Young Scientists and Students, "MULTIDISCIPLINARY APPROACH TO SOLVING PROBLEMS OF GEOLOGY AND GEOPHYSICS" Baku, Azerbaijan. 75-76.
7. **Hedayati S.A.,** Georgiev G., Miandare H.K. **2015.** "Geology, petrology and mineral potential of marine hydrothermal vents" VI International Conference of Young Scientists and Students, "MULTIDISCIPLINARY APPROACH TO SOLVING PROBLEMS OF GEOLOGY AND GEOPHYSICS" Baku, Azerbaijan. 149-151.
8. **Hedayati, A.** **2015.** Necessity of fish welfare in academic studies. *Middle East Aquaculture Forum*. Dubai, UAE.
9. **Hedayati, A.** Bagheri, T. Kolangi, H. **2014.** Effect of Anthropogenic Activities on the coastal waters of Persian Gulf. *International Congress on Estuaries & Coastal Protected Areas*, Izmir, Turkey.
10. Bagheri, T. Foruhar, M. **Hedayati, A.** **2014.** Toxicity test of Trichlorophon on Tiger barb Glowlight tetra. *International Congress on Estuaries & Coastal Protected Areas*, Izmir, Turkey. P 219.

11. **Hedayati, A. 2014.** Production of Bio-fuel from the Algal Based Wastewaters. International Conference on Innovative Technologies in the use of Renewable Energy Sources. Asgabat, Turkmenistan. P 75-76.
12. **Hedayati, A. Kolangi M, H. 2012.** Acute Toxicity Test of Mercury, Lead Zinc in Roach. INOC-CNRS, International Conference on "L-Sea Interactions in the Coastal Zone" Jounieh – Lebanon. 315-321.
13. **Hedayati, A. Jahanbakhshi, A. 2012.** Hematotoxic Effects of Direct Infusion of Crude Diesel Oil on Juvenile Great Sturgeon. INOC-CNRS, International Conference on "L-Sea Interactions in the Coastal Zone" Jounieh – Lebanon. 383-390.
14. **Hedayati, A. MovahediniA. A. Bagheri, T. 2011.** Enzymatic responses of Yellowfin Sea Bream during exposure to chronic Mercury in Mahshahr Creeks. International Symposium on Marine Ecosystems, Natural Products their Bioactive Metabolites. Bogor, Indonesia.
15. **Hedayati, A. Safahieh, A. Bagheri, T. MovahediniA. A. 2011.** Effect of sub-lethal mercury toxicity on hormonal indices of Yellowfin Sea Bream. International Symposium on. Marine Ecosystems, Natural Products their Bioactive Metabolites. Bogor, Indonesia.
16. **Jahanbin Kambiz Hedayati A. 2011.** New prebiotic for the health Improvement of Atlantic salmon exposed to Mercury chloride. International Symposium on. Marine Ecosystems, Natural Products their Bioactive Metabolites. Bogor, Indonesia.
17. **Bagheri, T. Imanpoor, M. Hedayati, A. 2011.** Replacement of Soybean meal as alternative protein sources for improvement of marine aquaculture. International Symposium on. Marine Ecosystems, Natural Products their Bioactive Metabolites. Bogor, Indonesia.
18. **Bagheri, T. Imanpoor, M. Hedayati, A. 2011.** Hematological responses of Persian sturgeon to anesthetic effects of clove essence. International Symposium on Marine Ecosystems, Natural Products their Bioactive Metabolites. Bogor, Indonesia.
19. **Hedayati, A. Safahieh, A. Bagheri, T. Zare, P. 2011.** Experimental Effects of Water Mercury on Serum Metabolites of Bream. 3rd Aquatic Biodiversity International Conference. Sibiu, Transylvania. Romania.
20. **Hedayati, A. MovahediniA. A. Bagheri, T. Zare, P. 2011.** Hormonal Lesions of Bream Caused with Sub-Lethal Mercury Toxicity. 3rd Aquatic Biodiversity International Conference. Sibiu, Transylvania. Romania.
21. **Hedayati, A. Jahanbin, K. 2011.** Remediation of Mercury Toxicity in Atlantic salmon with Novel Prebiotic Derived from Iranian Plant. 3rd Aquatic Biodiversity International Conference. Sibiu, Transylvania. Romania.
22. **Bagheri, T. Imanpoor, M. Hedayati A. 2011.** Effects of a Plant Source Protein Inclusion in Diet on Culture of Persian Sturgeon. 3rd Aquatic Biodiversity International Conference. Sibiu, Transylvania. Romania.
23. **Shadi, A. Gandomi, Y. Maryamabadi, A. Hedayati, A. 2011.** Coastal Habitat Classification of Southeast Caspian Sea. 3rd Aquatic Biodiversity International Conference. Sibiu, Transylvania. Romania.
24. **Imanpoor, M. Bagheri, T. Hedayati A. 2011.** Relationship of some Blood Indices with Reproduction Success in Caspian Kutum. 3rd Aquatic Biodiversity International Conference. Sibiu, Transylvania. Romania.
25. **Hedayati, A. Safahieh, A. Savari, A. Marammazi J. 2010.** Is Endocrine Disruption a Man Made Ecological Indicator of Marine Environment? Footprint Forum. Colle Val d'ElsA. Italy. 55-56.
26. **Hedayati, A. Safahieh, A. Savari, A. Marammazi J. 2010.** Application of Fish Blood as Ecological Indicator of Undesirable Materials. Footprint Forum. Colle Val d'ElsA. Italy. 57-58.
27. **Jaferian, A. Hedayati, A. 2009.** Study of Some Gonadic Growth Index of Great Sturgeon cultured in Brackish Water Condition. Asian Pacific Aquaculture. Kula Lumpur, Malaysia. P 251.
28. **Hedayati, A. Bagheri, T. Yavari, V. Alizadeh, M. 2009.** Examination of relationship between cortisol level gonadic stage in Great sturgeon. Asian Pacific Aquaculture. Kula Lumpur, Malaysia. P 228.
29. **Hedayati, A. Bagheri, T. Movahedinai, A. Jaferian A. 2009.** The Examination of Correlation of Blood Index with Gonadic Stage in Early Stage of Great Sturgeon. Asian Pacific Aquaculture. Kula Lumpur, Malaysia. P 227.
30. **Hedayati, A. Yavari, V. Alizadeh, M. Bagheri, T. 2009.** Possibility of Determination of Sex and Gonadic Stage of Great Sturgeon with Blood Morphometric Indices. Asian Pacific Aquaculture. Kula Lumpur, Malaysia. P 228.
31. **Bagheri, T. Hedayati, A. 2009.** Growth, survival gut microbial load of rainbow trout fry given diet supplemented with probiotic. Asian Pacific Aquaculture. Kula Lumpur, Malaysia. P 99.
32. **Hedayati, A. Bagheri, T. 2009.** Environmental effect threat of ballast water. The 2nd Aquatic Animal's International Conference. Sibiu, Romania. P 88.
33. **Hedayati, A. Bagheri, T. 2009.** Study of growth and age of Crussian carp in Gorgan River estuarine. The 2nd Aquatic Animal's International Conference. Sibiu, Romania. P 45.
34. **Hedayati, A. Bagheri, T. 2009.** The effect of probiotic on growth, survival gut microbial load of rainbow trout. The 2nd Aquatic Animal's International Conference. Sibiu, Romania. P 45.
35. **Bagheri, T. Hedayati, A. 2009.** Environmental Pollution of Waste Generated by Commercial Vessles. The 2nd Aquatic Animal's International Conference. Sibiu, Romania. P 73.
36. **Bagheri, T. Hedayati, A. 2009.** Examination of Pollution Effects on Aquatic Animals in Anzali Wetland. The 2nd Aquatic Animal's International Conference. Sibiu, Romania. P 73.
37. **Alizadeh, M. Hedayati, A. Bahmani, M. Bagheri, T. 2009.** Study of Seasonal Fluctuation of Steroid Hormones in Great Sturgeon Cultured in Brackish Water Medium. 6th International Symposium on Sturgeon. China. 89-90.

38. **Hedayati, A.** Yavari, V., Bahmani, M., Alizadeh, M., Bagheri, T. **2007**. Investigation of blood serum osmo-ionregulation in Great sturgeon cultured in brackish water. International Conference on Environmental, Management, Engineering, Planning Economics. Skiathos, Greece. P: 911-916.
39. **Hedayati, A.** Yavari, V., Bahmani, M., Alizadeh, M., Bagheri, T. **2007**. Examination reciprocal relationship of blood profile in Great sturgeon cultured in brackish water. 10th International Conference on Environmental Science Technology. Kos Isl. Greece. P: B269 - B275.

Research Project

- Crude diesel oil and Total Petroleum Hydrocarbons (TPH) acute toxicity test and study on direct and indirect injection of TPH on some hematological, biochemical and histopathological parameters of liver, gonad and gill of Great sturgeon
- Acute toxicity test and examination of Genotoxicologic, Histopathologic and Hematologica lesions of some Heavy Metals, Agricultural Poisons, Detergents and Total Petroleum Hydrocarbons on Silver carp, Common carp, Roach and Goldfish
- Acute toxicity test of Diazinon and Danilon on some hematological and histopathological parameters of five species of ornamental fishes (Gold fish, Pangasius, Gourami, Red Zebra and Gupy)
- The comparison of acute toxicity and hematologic lesions of silver nanoparticles with silver salt on Roach, Silver carp and Common carp
- The examination of histopathological changes of liver and gill of Southern Caspian Kutum and Roach and introduction of Shrimp, Artemia and Daphnia as biological models in the lethal toxicity test of heavy metals, agricultural poisons, detergents and petroleum hydrocarbons
- Study on acute toxicity of nanoparticles ZnO, CuO and TiO₂ and their sub-lethal effects on blood factors and histopathology of gill on gold fish, common carp and roach
 - Effect of manganese toxicity on gill tissue and plasma biochemical and hormonal characteristics in Caspian roach
 - first use of new plant polysaccharides Acanthophyllum to maintain and improve the health of fish, Atlantic salmon in the face of mercury pollution
 - The effects of 2-phenoxyethanol, benzocaine and eugenole on eco-physiological responses of Great sturgeon and silver carp.

- 1- Aquatic Toxicology (In Persian), GAU Publication, 210 p.
- 2- Ecology of Benthoses (In Persian), GAU Publication, 160 p.
- 3-Detection of Mercury Pollution Biomarkers in Yellowfin Seabream, Lambert Publication, 180 P.
- 4- Editor: Biological Clock in Fish (Translated in Persian), Nourouzi Publication, 324 P.

Book