	Curriculum vitae	
Tarbiat Modares University	**Abdolmohammad Abedian Kenari** **Professor in Aquaculture- Fish nutrition, Fisheries Department, Faculty of Natural Resources & Marine Sciences** https://www.modares.ac.ir/~aabedian https://orcid.org/0000-0003-3410-3908 https://www.scopus.com/authid/detail.uri?authorId=57205184357 https://scholar.google.com/citations?user=Mw1m92cAAAAJ&hl=en	

Personal Information
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Education records			
Grade	Date	field	University name
B.Sc. Fisheries	1987-1991.	Fisheries	Faculty of Natural Resources and Marien Sciences, University of Tehran
M.Sc	1992-1995	Fisheries	Faculty of Natural Resources and Marien Sciences, University of Tehran
Ph.D	1995-2001.	Aquaculture	Faculty of Marine Science and Marien Sciences, University of Tarbiat Modares

Profecinal Experience

2013- Present, Professour in Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University, Noor, Iran

2019- 2022, Dean of Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University, Noor, Iran

2011-.2019, Head of aquaculture and seafood prossesing department, Natural Resources and Marine Sciences Faculty, Tarbiat Modares University, Noor, Iran

2007–2010, Research Deputy of Natural Resources and Marine Sciences Faculty, Tarbiat Modares University, Noor, Iran

2006- 2013, Associate professour in the Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University, Noor, Iran

2001- 2006, Assistant professour in the Faculty of Natural Resources and Marine Sciences, Tarbiat Modares University, Noor, Iran

1992-1997, Shrimp and marine fish expert in the Iranian Fisheries Organization, Tehran, Iran

Research Interests

Fish Nutrition

Bioactive componds

Live Food Culture

Shrimp Culture

International arbitration journals

IJB (Iranian Journal of Biotechnology)

Journal of Aquaculture research (JCR, Wiley)

Journal of World Aquaculture Society (JCR, Wiley)

Iranian Journal of Fisheries Science (JCR)

Journal of Aquaculture nutrition (JCR, Wiley)

Journal of Aquaculture (JCR, Elsevier)

Journal of fish and shell fish immunology (JCR, Elsivier)

Journal of food chemistry (JCR, Elsivier)

Animals (JCR)

Animal Nutrition (JCR Elsivier)

Animal physiology and Animal Nutrition (JCR Wiley)

List of Society Membership

European Aquaculture Society (former member)

World Aquaculture society (former member)

Marine Science and Technology Society

Iranian Aquaculture Society

Foundation member of cold water fish society

Graduated society member of agriculture and natural resources (Tehran University)

Graduated society member of Tarbiat Modares University

Editorial board membership

Journal of Fisheries Science and Technology (Tarbiat Modares University)

Iranian Journal of Fisheries Science (ISI, JCR)

Journal of Fisheries Science (Tehran University)

Journal of Aquaculture (Iranian Aquaculture Society)

Journal of production and aquaculture (Gorgan University)

Journal of Aquatic nutrition and biochemical (Guilan University)

Journal of Ecopersia (former member)

Journal of marine science and techonology (former member)

List of Research Plans

1) Performance of phytase enzyme on rainbow trout diets (Tarbiat Modares University)
2) Algae paste production from microalgae and some methods for their quality control, 2013, Iran National Science Fundation.
3) Evaluation of digestibility and hydrolysis of some animal and vegetal protein ingredients in Siberian sturgeon (*Acipenser baeri*) diet at In-vitro and in- vivo condition; Application for sturgeon feed formulation. Iran National Science Fundation.
4) Preparation and evaluation of bioactive peptides from white leg shrimp by-product and the effects of their use as non-encapsulated and nanocapsulated (nano liposomes and nano-chitosan) on growth, physiology and safety of rainbow trout larvae (*Onchorhynchus mykiss*) (Iran National Science Fundation).
5) Research project collaborator on the effects of sulfate polysaccharides extracted from macroalgae native to the Persian Gulf, Padina sp. and Caulerpa sp. on the growth and immunity of juvenile rainbow trout (*Oncorhynchus mykiss*) (Iran National Science Fundation).
6) Postdoctoral project entitled Stickwater use as a food attractant and immune stimulant in feeding Beluga larvae (*Huso huso*). in progress in collaboration with the iran National Science Fundation and Tarbiat Modares University.

7) Evaluation and comparison the bioactive properties of peptide fractions from Enzymatic hydrolysis of isolated protein microalgae of *Spirolina platensis* and *Chlorella vulgaris*

List of Patent

1) Production of single cell protein by Lactobacillus acidophilus; Pseudomonas aeruginosa; *Aspergillus niger* and *Saccharomyces cerevisiae*, by stick water. Iran intelleectual property office, ٦٢٨٣٥, 2009.

2) Production of Nannochloropsis oculata paste and effects of Vitamin C & E on their shelf life duration cold storage. Iran intelleectual property office, ١٣٩٣٥٠١٤٠٠٠٣٠٠١٥٤١ , 2014, and confirmation in Iranian Research Organization for Science and Technology, ٩٤٠٣٤٩٨ , 2015.

Research Publications (English journals, from present to old)

1) **Azin Fahim, Mohammad reza Kalbassi , Abdolmohammad Abedian Kenari , Mohammad Sadegh Sabet, Gholamhasan Najafi . 2026.** Potential of Nannochloropsis oculata for sustainable biodiesel production: Effects on engine performance and environmental pollutants. Renewable Energy, 257. 124800. https://doi.org/10.1016/j.renene.2025.124800
2) **Mirzakhani, M. K., & Abedian Kenari, A. (2025).** Impact of stickwater soluble fractionsupplementation on growth performance, body composition, digestibility, and digestive enzyme activity inbeluga sturgeon (*Huso huso*) larvae. Journal of the World Aquaculture Society, 56(5), e70058. https://doi.org/10.1111/jwas.70058.
3) **Fatemeh Davoudi Sefidkohi, Abdolmohammad Abedian Kenari, Omid Safari,. 2025. Assessing the Effects of Partially Replacing Fishmeal with Peanut Meal on Growth, Body Composition, Digestibility and Immunity in Juvenile Beluga (*Huso huso*). World Aquaculture Society Journal, 56 (3) e70029.**
4) **Reza Afshar Moghadam, Abdolmohamad Abedian Kenari. 2025. Evaluating the Effects of Unprocessed, Citric Acid-Treated, and Fermented Poultry By-Products on Growth and Health Metrics in Rainbow Trout (Oncorhynchus mykiss). North American Journal of Aquacultur, 87 (3) 192-202.**
5) **Amirsoheil Taheri, Abdolmohammad Abedian Kenaria, Maryam Aftabgard. Partial Replacement of Fish Meal with Shrimp Waste Meal: Effects on Growth, Digestibility, and Immunity in Juvenile Beluga Sturgeon (Huso huso). Aquaculture Research Journal. Volume 2025, Article ID 5469830, 13 pages.**
6) **Masoumifeshani, B.; Abedian Kenari, A.; Sottorff, I.; Crusemann, M.; Amiri Moghaddam, J. 2025. Identification and Evaluation of Antioxidant and Anti-Aging Peptide Fractions from Enzymatically Hydrolyzed Proteins of Spirulina platensis and Chlorella vulgaris. Marine Drugs, 23, 162. https://doi.org/ 10.3390/md23040162.**
7) **Aref Heshmati., Abdolmohammad Abedian Kenari., Roghieh Safari· ., Ghasem Rashidian. 2025. Exogenous enzyme pretreatment improves utilization of high-carbohydrate diets in rainbow trout (*Onchorhynchus mykiss*): effects on growth, digestibility, fillet quality, and gene expression. Fish Physiol Biochem (2025) 51:60. https://doi.org/10.1007/s10695-025-01478-y.**
8) **Mirzakhani, M.K., Abedian Kenari., A. 2024. Immune-biochemical responses of beluga larvae (*Huso huso*) fed by different levels of fish factory stickwater.** Aquaculture International, on-line publishing, DOI: 10.1007/s10499-023-01334-x.
9) **Jahaniyan Bahnamiri, A., Abedian Kenari, A., Babaei, S., Banavreh, A., Soltanian, S. 2024**. **Dietary sulfated polysaccharides extracted from Caulerpa sp. and Padina sp. modulated physiological performance, antibacterial activity, and ammonia challenge test in juvenile rainbow trout (Oncorhynchus mykiss)**", Animal Physiology and Animal Nutrition, on-line publishing, DOI: 10.1111/jpn.13894.

10) **Zamani, A., Khajavi, M., Abedian Kenari, A., Haghbin Nazarpak, M., Solouk, A., Esmaeili, M Gisbert, E. 2023**. **Physicochemical and Biochemical Properties of Trypsin-like Enzyme from Two Sturgeon Species.** *Animals* 13 (5), 853.
11) **Rashidian, G., Abedian Kenari, A., Nikkhah. M. 2021. Dietary effects of a low-molecular weight fraction (< 10 kDa) from shrimp waste hydrolysate on growth performance and immunity of rainbow trout (Oncorhynchus mykiss): Employing nanodelivery system.** *Fish & Shellfish Immunology*, 118, 294-302.
12) **Khoshhava, M. B., Abedian Kenari, A., Mirzakhani, M. K. 2021. The effects of concurrent of citric acid and soybean-based diets on growth performance, body composition, haemobiochemical indices, digestibility and fatty acid profile in juvenile rainbow trout, *Oncorhynchus mykiss*.** *Aquaculture Nutrition*, 27 (5), 1671-1682.
13) **Rashidian, G., Abedian Kenari, A., Nikkhah, M. 2021. Evaluation of antioxidative and antibacterial activities of fractionated hydrolysate from shrimp *Litopenaeus vannamei* head wastes against aquatic pathogenic bacteria.** *Aquaculture Research*, 52: 3696-3704.
14) **Zare, R., Abedian Kenari, A., Yazdani Sadati, M. 2021. Influence of dietary acetic acid, protexin (probiotic), and their combination on growth performance, intestinal microbiota, digestive enzymes, immunological parameters, and fatty acids composition in Siberian sturgeon (Acipenser baerii, Brandt, 1869).** *Aquaculture International*. 29: 891-910.
15) **Asadi, M., Abedian Kenari, A., Esmaeili, M. 2021. Restricted- protein feeding strategy decreased the protein consumption without impairing growth performance, flesh quality and non-specific immune parameters in rainbow trout (Oncorhynchus mykiss).** *Aquaculture,* 531,735946.
16) **Montazeri Parchikolaei, H., Abedian Kenari, A., Esmaeili, M. 2021. Soya bean-based diets plus probiotics improve the profile of fatty acids, digestibility, intestinal microflora, growth performance and the innate immunity of beluga (*Huso huso*).** *Aqauaculture research*, 52 (1) 152-166.

17) **Amine Zaretabar., Hossein Ouraji., Abdolmohammad Abedian Kenari Sakineh Yeganeh., Moha Esmaeili., Abdolsamad Keramat Amirkolaee. 2021. One step toward aquaculture sustainability of a carnivorous species: Fish meal replacement with barley protein concentrate plus wheat gluten meal in Caspian brown trout (Salmo trutta caspius).** *Aquaculure report*, 20 (100714)

18) **Hooshyar, Y., Abedian Kenari, A., Paknejad, H., Gandomi, H. 2020. Effects of *Lactobacillus rhamnosus* ATCC 7469 on different parameters related to health status of rainbow trout (*Oncorhynchus mykiss*) and the protection against *Yersinia ruckeri*.** *Probiotics and Antimicrobial Proteins*, 12 (4) 1370-1384.

19) **Asgari, M., Abedian Kenari, A., Esmaeili, M., Rombenso, A. 2020. Effects of hydroalcoholic extract of honeybee pollen on growth performance, flesh quality, and immune and stress response response of rainbow trout (*Oncorhynchus***

mykiss). *Aquaculture Nutrition*, 26 (5) 1505-1519.

20) **Ramezanzadeh, S., Abedian Kenari, A., Esmaeili, M., Rombenso, A. 2020. Effects of different forms of barberry root (*Berberis vulgaris*) on growth performance, muscle fatty acids profile, whole-body composition, and digestive enzymes of rainbow trout (*Oncorhynchus mykiss*).** *Journal of the World Aquaculture Society* 52 (2), 284-302.

21) Ghosi Mobaraki, M.R., Abedian Kenari, A., Bahrami Gorji, S., Esmaeili, M. 2020. Effect of dietary fish and vegetable oil on the growth performance, body composition, fatty acids profile, reproductive performance and larval resistance in pearl gourami (*Trichogaster leeri).* *Aquaculture Nutrition*, 26(3), pp. 894-907.

22) **Zeilab Sendijani, R., Abedian Kenari, A., Smiley, A.H., Esmaeili, M. 2020.** The Effect of Extract from Dill Anethum Graveolens on the Growth Performance, Body Composition, Immune System, and Antioxidant System of Rainbow Trout. *North American Journal of Aquaculture*, 82(2), pp. 119-131.

23) **Babaei, S., Abedian-Kenari, A., Naseri, M., Yazdani-Sadati, M.A., Metón, I. 2020.** Impact of starvation on digestive enzymes activities and plasma metabolites in Siberian sturgeon (*Acipenser baerii*, Brandt, 1869). *Aquaculture Research*, 51(4), pp. 1689-1699.

24) Meshkat Roohani A., Fallahi Kapoorchali M., Abedian Kenari A., Sayyad Borani M., Zorriezahra M. J. 2020. Hematite-biochemical and immune response of Caspian brown trout (*Salmo troutta caspius*, Kessler,1877) juveniles fed different levels of spirulina (*Spirulina platensis*). *Iranian Journal of fisheries Science*, 19(3) 1153-1174.

25) Tazikeh, T., Abedian Kenari, A., Esmaeili, M. 2020. Effects of fish meal replacement by meat and bone meal supplemented with garlic (*Allium sativum*) powder on biological indices, feeding, muscle composition, fatty acid and amino acid profiles of whiteleg shrimp (*Litopenaeus vannamei*). *Aquaculture Research*, 51(2), pp. 674-686.

26) Ramezanzadeh, S., Abedian Kenari, A., Esmaeili, M. 2020. Immunohematological parameters of rainbow trout (*Oncorhynchus mykiss*) fed supplemented diet with different forms of barberry root (*Berberis vulgaris*). Comparative Clinical Pathology 29(1), 177-187.

27) **Mirzakhani M. K., Abedian Kenari A., Motamedzadegan A., Banavreh A. 2020. Apparent digestibility coefficients of crude protein, amino acids, crude lipid, dry matter and gross energy of ten feedstuffs for yearling Siberian sturgeon (*Acipenser baerii*, Brandt 1869).** *Iranian Journal of fisheries Science*, 19(3) 1500-1516.

28) **Kermani P., Babaei S., Abedian-Kenari A., Hedayati M. 2020. Growth performance, plasma parameters and liver antioxidant enzymes activities of Rainbow trout (*Oncorhynchus mykiss*) juvenile fed on Spirulina platensis extract.** *Iranian Journal of fisheries Science*, 19(3) 1463-1478.

29) **Safavi, S.V., Kenari, A.A., Tabarsa, M., Esmaeili, M. 2019.** Effect of sulfated polysaccharides extracted from marine macroalgae (*Ulva intestinalis* and *Gracilariopsis persica*) on growth performance, fatty acid profile, and immune response of rainbow trout (*Oncorhynchus mykiss*). *Journal of Applied Phycology*, 31(6), pp. 4021-4035.

30) **Amouzad Khalili, M., Abedian Kenari, A., Rezaei, M., Mirzakhani, M.K. 2019.** Antioxidant and Antibacterial Effects of Vitamins C and E Alone or a Combination on Microalgae (*Nannochloropsis oculata*) Paste Quality during Cold Storage. *Journal of Aquatic Food Product Technology*, 28(10), pp. 1051-1062.

31) **Jami, M.J., Abedian Kenari, A., Paknejad, H., Mohseni, M. 2019.** Effects of dietary b-glucan, mannan oligosaccharide, Lactobacillus plantarum and their combinations on growth performance, immunity and immune related gene expression of Caspian trout, Salmo trutta caspius (Kessler, 1877). *Fish and shell fish immunology*, 91, pp. 202-208.

32) **Roohani, A.M., Abedian Kenari, A., Fallahi Kapoorchali, M., (...), Esmaeili, M., Rombenso, A.N.2019.** Effect of spirulina Spirulina platensis as a complementary ingredient to reduce dietary fish meal on the growth performance, whole-body composition, fatty acid and amino acid profiles, and pigmentation of Caspian brown trout (*Salmo trutta caspius*) juveniles. *Aquaculture Nutrition*, 25(3), pp. 633-645.

33) **Masoudi Asil, S., Abedian Kenari, A., Rahimi Mianji, G., Van Der Kraak, G. 2019.** Estimation of Arachidonic Acid Requirement for Improvement of Pre-maturation Growth and Egg and Larval Quality in the Female Blue Gourami (*Trichopodus trichopterus*; Pallas, 1770): A Model for the Anabantidae Family. *Journal of the World Aquaculture Society*, 50(2), pp. 359-373.

34) **Pezeshk, F., Babaei, S., Abedian Kenari, A., Hedayati, M., Naseri, M. 2019**. The effect of supplementing diets with extracts derived from three different species of macroalgae on growth, thermal stress resistance, antioxidant enzyme activities and skin colour of electric yellow cichlid (*Labidochromis caeruleus*). *Aquaculture Nutrition*, 25(2), pp. 436-443.

35) **Mirzakhani, M.K., Abedian Kenari, A., Motamedzadegan, A. 2018.** Prediction of apparent protein digestibility by in vitro pH-stat degree of protein hydrolysis with species-specific enzymes for Siberian sturgeon (*Acipenser baeri*, Brandt 1869). *Aquaculture*, 496, 73-78.

36) **Hosseinpour Aghaei, R., Abedian Kenari, A. Yazdani Sadati, M.A.Esmaeili, M. 2018.** The effect of time-dependent protein restriction on growth factors, nonspecific immunity, body composition, fatty acids and amino acids in the Siberian sturgeon (*Acipenser baerii*). ***Aquaculture Research*, 49 (9), 3033-3044.**

37) **Matani Bour, H.A.,Esmaeili, M., Abedian Kenari, A. 2018.** Growth performance, muscle and liver composition, blood traits, digestibility and gut bacteria of beluga (*Huso huso*) juvenile fed different levels of soybean meal and lactic acid. *Aquaculture Nutrition*, 24 (4), 1361-1368.

38) **Babaei, S., Abedian-Kenari, A., Hedayati, M., & Yazdani-Sadati, M. A. 2017**. Growth response, body composition, plasma metabolites, digestive and antioxidant enzymes activities of Siberian sturgeon (*Acipenser baerii, Brandt, 1869*) fed different dietary protein and carbohydrate: lipid ratio. *Aquaculture Research*, 48(6), 2642-2654.

39) **Esmaeili, M., Abedian Kenari, A., Rombenso, A., 2017**, Effects of fish meal replacement with meat and bone meal using garlic (*Allium sativum*) powder on growth, feeding, digestive enzymes and apparent digestibility of nutrients and fatty acids in juvenile rainbow trout (*Oncorhynchus mykiss* Walbaum, 1792). Accepted in *Aquaculture nutrition*, DOI: 10.1111/anu.12491.

40) **Esmaeili, M., Abedian Kenari, A., Rombenso, A. 2017**. Immunohematological status under acute ammonia stress of juvenile rainbow trout (*Oncorhynchus mykiss Walbaum, 1792*) fed garlic, Allium sativum powder supplemented meat and bone meal-based feeds. Accepted in *Comparative Clinical Pathology*. DOI 10.1007/s00580-017-2457-8.

41) **Masoudi Asil, S., Abedian Kenari, A. Rahimi Miyanji, G., Van Der Kraak, G. 2017**. The influence of dietary arachidonic acid on growth, reproductive performance, and fatty acid composition of ovary, egg and larvae in an anabantid model fish, Blue gourami (*Trichopodus trichopterus*; *Pallas*, *1770*). *Aquaculture* 476 (2017) 8–18.

42) **Abedian Kenari, A., Naderi, M. 2016**. Effects of enriched Artemia by fish and soybean oils supplemented with vitamin E on growth performance, lipid peroxidation, lipase activity and fatty acid composition of Persian sturgeon (*Acipenser persicus*) larvae. *Aquaculture Nutrition*, 2016 22; 382–391.

43) **Sotoudeh, E., Abedian Kenari, A., Khodabandeh, S., & Khajeh, K. 2016**. Combination effects of dietary EPA and DHA plus alpha-tocopherol: effects on performance and physiological status of Caspian brown trout (*Salmo trutta caspius*) fry. *Aquaculture Nutrition*, 22(5), 1101-1115.

44) **Ahmadifard, N., Murueta, J. H. C., Abedian-Kenari, A., Motamedzadegan, A., & Jamali, H.2016**. Comparison the effect of three commercial enzymes for enzymatic hydrolysis of two substrates (rice bran protein concentrate and soy-been protein) with SDS-PAGE. *Journal of food science and technology*, *53*(2), 1279.

45) **Babaei, S., Abedian, K. A., Hedayati, M., Yazdani, S. M., & Metón, I. 2016**.Effect of diet composition on growth performance, hepatic metabolism and antioxidant activities in Siberian sturgeon (*Acipenser baerii, Brandt, 1869*) submitted to starvation and refeeding. *Fish physiology and biochemistry*, *42*(6), 1509-1520.

46) **Oujifard, A., Seyfabadi, J., Abedian Kenari, A., & Rezaei, M. 2015**. Growth response and tail-muscle fatty acid quality of Pacific white shrimp, *Litopenaeus vannamei* (Boone) fed with diets containing different levels of rice protein concentrate. *Iranian Journal of Fisheries Sciences*, 14(1), 188-200.

47) **Khosravi Bakhtiarvandi N.; Abedian-Kenari A.M. 2015**.Changes of digestive enzymes activity in Caspian Kutum (*Rutilus frisii kutum*) during larval developmental stages. *Iranian Journal of Fisheries Sciences* 14(1)158-175.

48) **Hosseini, S. V., Abedian Kenari, A., Rezaei, M., Nazari, R. M., Mohseni, M., & Sanchez, X. F. 2014**. Influence of the Dietary Addition of Butylated-Hydroxytoluene and Lipid Level on the Flesh Lipid Quality of Beluga Sturgeon (*Huso huso*) During Frozen Storage. *Journal of aquatic food product technology*, 23(4), 394-408.

49) **Khosravi Bakhtiarvandi, N.; Abedian Kenari, A.; Mohammad Nazari, R.; Makhdoomi, C. 2014**. Ontogenetic changes in lipids, fatty acid, and bodycomposition during larval stages of Caspian Kutum (*Rutilus frisii kutum*).*Iranian Journal of Fisheries Sciences* 13(2) 365-383.

50) **Amirkolaie, A. K., Karimzadeh, J., & Kenari, A. A. 2014**.on performance and oxidative level in rainbow trout (*Oncorhynchus mykiss, Walbaum, 1792*) fed a high-fat diet.*Journal ofAnimal and Feed Sciences*, 23, 90-96.

51) **Ovissipour, M., Abedian Kenari, A., Nazari, R., Motamedzadegan, A., & Rasco, B. 2014.** Tuna viscera protein hydrolysate: nutritive and disease resistance properties for Persian sturgeon (Acipenser persicus) larvae. Aquaculture Research, (45) 591-601.

52) **Azarm, H. M., Kenari, A. A., & Hedayati, M. 2013**. Effect of dietary phospholipid sources and levels on growth performance, enzymes activity, cholecystokinin and lipoprotein fractions of rainbow trout (*Oncorhynchus mykiss*) fry. *Aquaculture Research*, 44(4), 634-644.

53) **Abedian Kenari. A., Mahmoudi, N., Soltani, M., & Abediankenari, S. 2013**. Dietary nucleotide supplements influence the growth, haemato-immunological

parameters and stress responses in endangered Caspian brown trout (*Salmo trutta caspius Kessler, 1877*). *Aquaculture Nutrition*, 19(1), 54-63.

54) **Abtahi, B., Yousefi, M., & Kenari, A. A. 2013**. Influence of dietary nucleotides supplementation on growth, body composition and fatty acid profile of Beluga sturgeon juveniles (*Huso huso*). *Aquaculture Research*, *44*(2), 254-260.

55) **Etemadi, H., Rezaei, M., Abedian Kenari, A., & Hosseini, S. F. (2013)**. Combined effect of vacuum packaging and sodium acetate dip treatment on shelf life extension of rainbow trout (*Oncorhynchus mykiss*) during refrigerated storage. *Journal of agricultural science and technology*, 15(5), 929-939.

56) **Farhoudi A., Abedian Kenari A., Nazari R. M., Makhdomi C.H. 2013**. Developmental changes of digestive enzymes in common carp during larval ontogeny. *Iranian Journal of Fisheries Sciences*, 12(2) 320-334.

57) **Amirimoghaddam, J. A., Abedian-Kenari, A., & Khodabandeh, S. 2013**. Effects of dietary vegetal fatty acid and fat content on growth and acclimation to Caspian Sea water in Caspian brown trout (*Salmo trutta caspius*) parr. *Aquaculture*, 412, 144-150.

58) **Farhoudi, A., Abedian Kenari, A., Nazari, R., & Makhdoomi, C. 2013**. Amino Acid Profile of Caspian Sea Carp (*Cyprinus carpio*) during Ontogenetic Development: Applications to Feed Formulation. *ECOPERSIA*, 1(3), 261-271.

59) Hamid Mohammadi Azarm., Abdolmohammad Abedian-Kenari., Mehdi Hedayati. 2013. Growth response and fatty acid composition of rainbow trout (Oncorhynchus mykiss) fry fed diets containing different levels of soybean and egg lecithin. *Aquaculture International*, (21) 497-509.

60) **Oujifard, A., Seyfabadi, J., Kenari, A. A., & Rezaei, M. 2012**. Growth and apparent digestibility of nutrients, fatty acids and amino acids in Pacific white shrimp, *Litopenaeus vannamei*, fed diets with rice protein concentrate as total and partial replacement of fish meal. *Aquaculture*, 342, 56-61.

61) **Oujifard, A., Seyfabadi, J., Kenari, A. A., & Rezaei, M. 2012**. Fish meal replacement with rice protein concentrate in a practical diet for the Pacific white shrimp, (*Litopenaeus vannamei Boone, 1931*). *Aquaculture International*, 20(1), 117-129.

62) **Kam, S., Kenari, A. A., & Younesi, H. 2012**. Production of single cell protein in stickwater by *Lactobacillus acidophilus* and *Aspergillus niger*. *Journal of aquatic food product technology*, 21(5), 403-417.

63) **Yousefi, M., Abtahi, B., & Kenari, A. A., 2012**. Hematological, serum biochemical parameters, and physiological responses to acute stress of Beluga sturgeon (*Huso*

huso, Linnaeus 1785) juveniles fed dietary nucleotide. *Comparative Clinical Pathology*, 21(5), 1043-1048.

64) **Ovissipour, M., Abedian Kenari, A., Motamedzadegan, A., & Nazari, R. M. 2012**. Optimization of enzymatic hydrolysis of visceral waste proteins of yellowfin tuna (*Thunnus albacares*). *Food and bioprocess technology*, 5(2), 696-705.

65) **Valipour A; Ozario R. O. A; Shariatmadari F; Abedian A ; Seyfabadi S. J; Zahmatkesh A. 2012**. Effect of dietary lipid levels on Growth, survival and molting of yearling narrow clawed crayfish *Astacus leptodactylus*. *Journal of Applied Aquaculture* 24(4) 316-325.

66) **Abedian Kenari, A., Sotoudeh, E., & Rezaei, M. H. 2011**. Dietary soybean phosphatidylcholine affects growth performance and lipolytic enzyme activity in Caspian brown trout (*Salmo trutta Caspius*) alevin. *Aquaculture Research*, 42(5), 655-663.

67) **Sotoudeh, E., Kenari, A. A., & Rezaei, M. H. 2011**. Growth response, body composition and fatty acid profile of Caspian brown trout (*Salmo trutta Caspius*) juvenile fed diets containing different levels of soybean phosphatidylcholine. *Aquaculture International*, 19(4), 611-623.

68) **Ebrahimnezhadarabi, M., Saad, C. R., Harmin, S. A., Satar, M. A., & Kenari, A. A. 2011**. Effects of Phospholipids in Diet on Growth of Sturgeon Fish (*Huso-huso*) Juveniles. *Journal of Fisheries and Aquatic Science*, *6*(3), 247.

69) **Ebrahimnezhadarabi, M., Saad, C. R., Harmin, S. A., Satar, M. A., & Kenari, A. A. 201.** Effects of Phospholipids in the Diet on biochemical factors of sturgeon Fish (Huso huso). African journal of Biotechnology 10 (42) 8511-8516.

70) **Ouraji, H., Abedian Kenari, A. M., Shabanpour, B., Shabani, A., Sodagar, M., Jafarpour, S. A., & Ebrahimi, G. H. 2011**. Growth, survival, and fatty acid composition of Indian white shrimp Fenneropenaeus indicus (Milne Edwards) fed diets containing different levels of vitamin E and lipid. *Aquaculture international*, 19(5), 903-916.

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72) **Farhoudi, A., Kenari, A. A., Nazari, R. M., & Makhdoomi, C. H. 2011**. Study of body composition, lipid and fatty acid profile during larval development in caspian sea carp (*Cyprinus carpio*). *Journal of Fisheries and Aquatic Science*, 6(4), 417.

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2) **Rasool Zare & Abdolmohammad Abedian Kenari. 2024.** Effects of butyric acid and Protoxin probiotic in the feeding of Siberian sturgeon (*Acipenser baerii*). Aquatic Animals Nutrition Vol. 10, No. 3, pages: 17-32 DOI: 10.22124/janb.2024.27989.1253
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4) **Shirod Najafi, M., Abedian Kenari, A. 2023.** Effect of dietary fish meal replacing with rice protein concentrate on growth and body composition of Caspian kutum, (Rutilus frisii kutum, Kamensky, 1901). *Journal of Fisheries Science and Technology* 12 (3) 224-242.
5) **Fahim, A., Kalbassi, MR., Abedian Kenari, A., Sabet, MS. 2022.** The effect of mutual physicochemical stresses (light intensity-salinity) on changes in growth, biochemical factors and fatty acid composition of microalgae *Nannochloropsis oculata*. *Fisheries Science and Technology* 11 (4), 300-316.
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List of Papers Accepted or Presented in Congresses and Seminars

1) **GH. Rashidian., A.M. Abedian Kenari., M. Nikkhah. 2019**. Evaluation of protein recovery and bioactive peptides fractions from white leg shrimp (Litopenaeus vanammei) head waste hydrolysis using alcalase 2.4L. The 4th conference on protein and peptides science University of Esfahan.
2) **A. Abedian., M. Kazemi. 2017.** Growth performance, immunological response and body composition of rainbow trout (*Oncorhyncus mykiss*) fingerling fed different marine macroalgae powders as a feed additive. 4th international Fisheries and Aquaculture conference, 24-26 Augest, Serylanka, Pp: 11.

3) **A. Abedian Kenari., M. Shirod Najafi. 2014.** Rice protein concentrate is a good candidate for fish meal replacing in fish diets, A case study about Caspian Kutum (*Rutilus frisii kutum* Kamensky, 1901). International Agriculture Congress 2014, 25-27 November 2014 in Putrajaya, Malaysia. Pp: 90

4) **A. Abedian Kenari., M. Amouzad Khalili, M. Rezaei. 2014**. Evaluating of Nanochloropsis oculata paste produced by mechanical and chemical methods. FABA, International symposium on fisheries and aquatic science,

5) **A. Abedian Kenari., A. Oujifard. 2013**. Growth, lipid metabolism and intestinal absorbance of Pacific white shrimp (*Litopenaeus vannamei Boone 1931*) influenced by dietary nucleotide. 2nd International Conference on Environment, Agriculture and Food Sciences (ICEAFS'2013), Malaysia.

6) **A. Farhoudi, A. Abedian Kenari, A. Salehi., A. Dezfoulinezad. 2012**. Ontogeny chamges of fatty acid profile in developing eggs and larvae of *yellowfin seabream*. Aquaculture America 2012. USA.

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8) **S. Keramat., J. Karimzadeh., A. Abedian Kenari. 2012**. Organic selenium requirement in *rainbow trout* feeding on high fat diet. AQUA 2012. Cheque.

9) **A. Abedian Kenari, A. Farhoudi, R. M. Nazari, C.H. Makhdomi. 2012**. Ontogenetic Changes in Lipids and Fatty Acid Composition during Larval Stages of Kutum (*Rutilus frisii kutum*). UMTAS 2012. Malaysia.

10) **M. Naderi Koshk., A. Abedian Kenari. 2012**. Growth performance and stress resistance of Persian sturgeon (*Acipenser persicus*) larvae fed live food (*Artemia franciscana*) enriched with fish and Soybean oils supplemented with vitamin E. First international conference on larviculture, Karaj, Iran.

11) **Abedian Kenari A . Oveisipour M. Motamedzadegan A. Nazari R.M. 2011**. Optimization of nitrogen recovery during enzymatic hydrolysis of Yellowfin tuna (Thunnus albacares). 14trh intenational biotechnology symposium. Italy.

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13) **A. Abedian Kenari, A. Farhoudi, R. M. Nazari, C.H. Makhdomi. 2011** . Ontogeny changes of amino acids in Caspian Sea carp (*Cyprinus carpio*) larvae. Aquaculture Europe 2011. Greece.

14) **S. Khodabandeh., S. Oulad., A. Abedian Kenar. 2010**. Effect of food containing nucleotide additive on the pyloric caeca Na+, K+-ATPase * 1a and NKCC1 mRNA expersion in young caspian salmon, Salmo trutta caspius.. Society for integrative and comparative biology.

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17) **Abedian Kenari A. Yousefi M. Abtahi B. 2009.** Effect of dietary nucleotide on hematological parameters in juvenile Bluga (*Huso huso*). Asian pacific aquaculture . Malaysia

18) **Oulad S. Abedian Kenari A. Khodabandeh S. 2009**. Effect of dietary nucleotid on the osmoregulatory function of pyloric caeca in Caspian Sea salmon. Society Experimental Biology annual main meeting. England.

19) **Ovissipour, M. R., Abedian, A.M., Motamedzadegan, A., Rasco, B., Safari, R., Shahiri, H. 2008.** The effect of enzymatic hydrolysis on amino acids composition of Persion sturgeon (*Acipenser persicus*) viscera protein hydrolysate. 18th National congress on food technology. Mashhad, Iran. pp 122.

20) **Abedian A.M., Kam S.B., Younesi H., Seyfabadi J. 2008**. Preliminary Study for Production of Single Cell Protein from Stickwater by Lactobacillus acidophilus. 13th international biotechnology symposium & exhibition, Dalian, China. Journal of Biotechnology. 136, pp s598.

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26) A**bedian Kennari, A.M., Zargarian, P. Nazari R. 2007**. Influence of Supplemental Phytase on Fish Meal Replacement by Soybean Meal and its Effects on Growth and Body Composition of Rainbow Trout, (*Oncorhynchus mykiss*). Aquaculture Europe 2007. Istanbul, Turkey. pp

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28) **Mohseni, M., M. Salehpour., H. R. Poureli., A. Jafari and A. M. Abedian**.**2005**. Partially substitution of fish meal with soybean meal, blood meal and Artemia meal in diets of reared beluga (*Huso huso*) juveniles. 5th international symposium on sturgeon 2005, Ramsar, Iran.

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32) **Abedian. A. M., A. Meshkat Rohani., F. Shariatmadarei. 2004.** Effects of Dietary Carbohydrate To lipid Ratio With Two Levels Of Protein On The Growth Performances, Body Compositions and Hepatosomatic Index of Rainbow Trout (*Oncorhynchus mykiss*). . 7th Asian Fisheries Forum 2004. Penang, Malaysia.

33) **Abedian. A. M., E. Pagheh and M. Mohammadi. 2002.**The Effect of Salinity and Temperature on The Hatchability and Hydration of Iranian Artemia Cysts (*Artemia urmiana*), World Aquaculture 2002. Beijing, China.

34) **Abedian. A. M., C.R. Saad., G. Azari Takami., A. Nikkhah and R. Alimon. 2002.**The Effect of Protein and Energy Levels On the Growth Performances Of Indian White Shrimp (*P. Indicus*). World Aquaculture 2002, Beijing, China.

Thesis supervisor (M.Sc)

Educational evel	Year	Student	subject
M.Sc	2023	AmirSoheil Taheri	**Evaluation of Partial Replacement of Shrimp Waste Meal Performance Instead of Fish Meal in Beluga (Huso huso) Diet**
M.Sc	2022	Fatemh Davodi	**Evaluation of Fishmeal Replacement with different Levels of Peanut Meal on Growth performance, Body Composition, digestibility and Immunity of Juvenile Beluga (Huso huso)**
M.Sc	2022	Hamidreza Tabibi	**Effect of Fishmeal Replacement with Barley protein Concentrate and Citric acid on Growth performance, Body Composition, Digestibility and immune of Rainbow Trout (Oncorhynchus mykiss)**
M.Sc	2022	Reza Afsharmoghadam	**Evaluation of Fish Meal Protein Replacement with Different levels of Fermented and unfermented Poultry By-product Meal with Citric acid in Rainbow Trout (Oncorhynchus mykiss) Diet**
M.Sc	2021	Ahmad Jahanian Bahnemiri	**Evaluation of Using Sulfated Polysaccharides extracted from Persian Gulf Seaweeds (Padina sp. and Caulerpa sp.) in Feeding of rainbow Trout (Oncorhynchus mykiss) fingerlings**
M.Sc	2019	Mohammad Asgari	**The effect of using hydroalcoholic extract of bee pollen on growth indices, body composition and**

			innate immunity of rainbow trout (*Oncorhynchus mykiss*)
M.Sc	2019	Mehrdad Gheibdost	**The effect of *Saccharomyces cerevisiae* autolyzed yeast on growth performance, body composition and immune response of rainbow trout (*Oncorhynchus mykiss*)**
M.Sc	2018	Homeira Montazeri	**Evaluation of replacement of high level of plant protein (soybean meal) in the diet of Beluga fish (*Huso huso*) using different methods of mixture of *Bacillus subtilis* and *Bacillus lechanisformis***
M.Sc	2017	Seyed Vahid safavi	**The effect of sulfated polysaccharides extracted from marine macroalgae (*Ulva intestinalis* and *Grasilariopsis persica*) on growth performance, body composition and immune response of rainbow trout (*Oncorhynchus mykiss*)**
M.Sc	2016	Aref Heshmati	**Performance Stady of Exogenous Enzymes Cellulase and Alpha Amylase on using Diets with Different Carbohydrate Levels in Rainbow trout (*Oncorhyncus mykiss*) Feedings**
M.Sc	2016	Mehdi Kazemi	**Effect of Some Marine Macroalgae as Feed Additive on Growth Performance, Immunological Response, Body Composition and Nutrient Digestibility in Rainbow Trout (*Oncorhyncus mykiss*)**
M.Sc	2015	Mehrzad Asadi	**Effects of Protein Restriction in Different Time Periods on Growth, Body Composition and Non-specific Immune Parameters of Rainbow Trout, (*Oncorhynchus mykiss*)**
M.Sc	2015	Rahmat Hosseinpour	**Effects of protein restriction in different time periods on growth, body composition and non-specific immune parameters of sibrian sturgeon (*Acipenserbaeri*)**
M.Sc	2015	Javad Nourmohammadi	**Interaction Effect of Selenium (Organic and Nano Selenium) and Two Levels of Dietary Fat on Growth, Body Composition and Activity of Oxidative Enzymes in Rainbow Trout**
M.Sc	2015	Sara Ramezanzadeh Khesht Masjedi	**Effect of Powder and Extract Root of Berberis vulgaris on Growth, Body Composition, Immune System and Some Digestive Enzymes Parameters of Rainbow Trout *(Oncorhynchus mykiss*)**
M.Sc	2014	Safoura Tatari	**Production of Microalgal Paste of *Chlorella vulgaris* and Evaluation of Vitamin E and Citric acid additives on increasing of shelf life during storage**
M.Sc	2014	Hamzeh AliMatani Purkheyli	**Effect of Different Levels of Lactic Acid on Replacement of Fishmeal by Soybean Meal in Diet of juvenile Beluga (*Huso huso*)**
M.Sc	2014	Taghi Taziki	**Bone Powder Supplemented with Garlic Powder on Biological Indices, Feeding and Body Composition**

			of Whiteleg Shrimp (*Litopenaeus vannamei*) juvenile
	2013	Ebrahim Sotoudeh	**Effect of Dietary Phosphatidylcholine on Growth Parameters, Survival, Fatty Acids Profile and Digestive Enzyme Activity of Caspian Salmon (*Salmo trutta caspius Kessler 1877*) Alevin**
M.Sc	2013	Mohammad BagherKhoshhava	**Effects of Using Citric Acid in order to Increase Fishmeal Replacement with Soybean Meal in the Diet of Rainbow Trout**
M.Sc	2013	Masoumeh Amouzad Khalili	**Production of Microalgal Paste of *Nannochloropsisoculataand* Evaluationof Vitamine C and E additives on increasing of shelf life during storage**
M.Sc	2013	Mahdi Naderi Koshk	**Effects of Eenriched Artemia franciscana by Fish and Soybean Oils with Vitamin E on Growth, Fatty Acid Composition, Some Enzymes and Stress Resistance in Persian Sturgeon (*Acipenser persicus*) Larvae**
M.Sc	2013	Mohammad RezaGhosi Mobaraki	**Effect of Dietary Kilka Fish and Soybean Oil in Different Levels on Reproduction Performace, Fatty Acid Composition of Egg and Larvae Quality in Pearl Gourami (*Trichogaster leeri*)**
M.Sc	2013	Mohammad Esmaeili	**Effect of Fish Meal Replacement with Meat and Bone Meal Using Garlic on Growth, Feeding and Digestive Enzymes in Rainbow Trout (*Oncorhynchus mykis*)**
M.Sc	2013	Khajavi	**Effect of Dietary Vitamin C on Growth , feeding Performance, Body Composition and Digestive Enzymes of Caspian Trout (*Salmo trutta caspius*) Fry**
M.Sc	2013	Lotfi	**Growth, body composition and Digestive Enzyme Activities in *Litopenaeus vannamei* during ontogeny**
M.Sc	2011	Khosravi	**Study of growth variation, Digestive Enzyme Activities and Fatty Acids and Amino Acids Profile in *Rutilus frisii kutum* during ontogeny**
M.Sc	2010	Babaei	**Study of growth, Digestive Enzyme Activities and Fatty Acids Profile in *Acipenser persicus* during ontogeny**
M.Sc	2010	Mojtaba Shirood Najafi	**Effect of different levels of fish meal replacing with rice protein concentrate on the growth, survival, amino acid and fatty acid composition and digestive enzyme tract of Caspian kuttum fry (*Rutilus frisii kutum*)**
M.Sc	2010	Farhoudi	**Study of growth variation, Digestive Enzyme Activities and Fatty Acids and Amino Acids Profile in *Cyprinus carpio* during ontogeny**

M.Sc	2009	Safar BiBi Kam	**Production of Single Cell Protein from Stickwater of Fish Meal Production Factories by Lactobacillus acidophilus, *Aspergillus niger* and *Chlorella* sp**
M.Sc	2009	Sotudeh	**Effect of dietary soybean phosphatidylcholine on Growth parameter, , fatty acid profile and enzymes activity of Caspian brown trout (*Salmo trutta Caspius*) alevin**
M.Sc	2009	Torfi Mozanzadeh	**Effect of Total Replacement of Dietary Tuna oil by Blend of Vegetable Oils (Canola and Soybean Oil) in Two Levels of Lipids on Growth, Immunological, Hematological and Biochemical of Fingerling of *Salmo trutta caspius Kessler*, ۱۸۷۷**
M.Sc	2009	Amirimoghadam	**Effects of the Dietary Fat Content and their Source Type on Tissue Fatty Acids Composition and Ability of Seawater Acclimation in Caspian Trout Parr (*Salmo trutta caspius, Kessler1877*)**
M.Sc	2008	Amin Ojifard	**Effect of dietary nucleotide on growth, survival, fatty acid composition, intestine histological and some hemolanph parameters of litopenaeus *Vannamei Boone* 1931**
M.Sc	2007	Nemat Mahmodi	**Effect of Dietary Nucleotide on Growth Performance, some Immuno, Haematological, Blood Biochemical Parameters and Body Fatty Acids Composition of *Salmo trutta caspius Kessler ۱۸۷۷***
M.Sc	2006	Mohammadreza Oveisipour	**Enrichment of Daphnia magna with n۳-HUFA & Vitamin C and its effects on the growth, survival, stress resistance, and fatty acids composition of Persian sturgeon larvae (*Acipenser persicus*)**
M.Sc	2006	Nasrolah Ahmadifar	**Effect of Different Kind and Concentrations of Algae on Culture and Fatty acids composition of Freshwater Rotifer (*Brachionus calyciflorus*)**
M.Sc	2005	Hamid Mohammadi Azarm	**Effect of probiotic protexin on the growth and survival of rainbow trout (*Oncorhynchus mykiss*) Larva**
M.Sc	2005	Mohammad Sadeg Alavi Yeganeh	**Effect of marine and river Gammarus powder as a supplementary diet on growth and resistance against environmental stresses (Temperature &pH) in rainbow trout larvae (*Oncorhynchus mykiss*).(**

M.Sc	2005	Ali Saber	**Effect of Dietary Protein and Energy Levels on Growth and Body Composition of Fingerling Caspian Trout *Salmotrutta caspius***
M.Sc	2004	Hakimeh Fekerandish	**Influence Of Food Attractants Betaein and Methionine For Food Intake, Growth and Survival Of Indian White Shrimp (*Fenneropenaeus indicus*)**
M.Sc	2004	Mehdi Rahmati Lishi	**Effects of Phytase Enzyme on Digestibility and Phosphorous Utilisation of Plant Feedstuffs In Rainbow Trout (*Oncorhynchus mykiss*) Diet**
M.Sc	2005	Pegah Zargarian	**Effects Of Phytase Enzyme and Dietary Soybean Meal On The Growth index And Survival rate Of Rainbow Trout)*Oncorhynchus mykiss*(**
M.Sc	2003	Arezo Meshkat Rohani	**Effects of Dietary Carbohydrate To lipid Ratio With Two Levels Of Protein On The Growth Performances, Body Compositions and Hepatosomatic Index of Rainbow Trout (*Oncorhynchus mykiss*)**
M.Sc	2002	Esmaeil Pagheh	**Effects of Salinity on Growth and Survival of Juvenile Indian White Shrimp (*Penaeus indicus*)**
M.Sc	2002	Arash Jahedi	**Effects of Added Artificial Substrate on the Growth and Survival of Juvenile Indian White Shrimp (*Penaeus indicus*)**
M.Sc	2002	Mohammad Mohammadi	**Determination of Optimal Dietary Protein Level for Juvenile Beluga (*Huso huso*)**

Thesis supervisor (Ph.D)

Educational level	Year	Student	subject
Ph.D	2022	Aref Heshmati	**Effects of using external enzyme of cellulose, alpha-amylase, xylanase and beta-glucanase in vitro and in vivo in various methods (before, during and after food production) on the performance of growth indices, body composition, IGFI gene expression and fish safety rainbow trout (oncorhynchus mykiss**
Ph.D	2021	Rasoul Zare	**Study of dietary probiotics protexin and organic acids (lacitic acid,acetic acid and butyric acid) on growth performance, body composition,physiological and immunological parameters of siberian sturgeon(acipenser baerii)**

Ph.D	2021	Ghasem Rashidian	**Peptides derived from white leg shrimp(litopenaeus vannamei) wastes and the effects of their use as free and nanoencapsulated(nanoliposome and nanochitosan) on growth , physiology and immunity of rainbow trout (oncorhynchus mykiss) alevins**
Ph.D	2019	Yalda Hoshyar	**The effect of microencapsulation of two probiotic bacteria (*Pediococus acidilactici*, *Lactobacillus rhamnosus*) on the growth performance of immune responses and bacterial flora of rainbow trout**
Ph.D	2019	Mohammad javad Jami	**Separate and combined effects of beta-glucan, manganese oligosaccharide and *Lactobacillus plantarum* on growth indices, body chemical composition, hematology and safety of Caspian salmon (*Salmo trutta caspius*)**
Ph.D	2018	Mohammad kazem Mirzakhani	**Assessment of digestibility and degree of hydrolysis of some plant and animal protein ingredients of Siberian sturgeon (*Acipenser baeri*) diet by in-vitro and in-vivo condition**
Ph.D	2017	Shima Masoudi Asil	**Effect of different levels of arachidonic acid on reproductive efficiency, activity and expression of cytochrome P-450 gene and expression of type 2 gonadotropin receptor (LH) in goldfish**
Ph.D	2016	Sedighehb Babaei	**Effect of Dietary Nutrients Composition on Metabolic Performance and Physiological Responses of Cultured Juvenile Siberian Sturgeon (*Acipenser baerii*t) During Starvation and Re-Feeding**
Ph.D	2013	Ebrahim Sotoudeh	**Interaction of Dietary Essential Fatty Acids (EPA and DHA) and Vitamin E on Growth Performance and Physiological Indices of Caspian trout (*Salmo truttacaspius*) Fry**
Ph.D	2012	Mohammadi Azarm	**Effect of Various Levels of Soybean and Egg Lecithin with Fish Meal and Casein Protein Sources on the Growth, Fatty Acid Composition, Activity of Digestive Enzymes and some Physiological Parameters of *Oncorhynchus mykiss* Alevin**
Ph.D	2012	Ahmadifard	**Production of rice bran hydrolysate and non hydrolysate protein concentrate and their effect on growth, enzyme activity and Amino acid profile of *rainbow trout***
Ph.D	2010	Oveissipour	**The Effect of Graded Levels of Fish Protein Hydrolysate and Weaning Times on Growth,**

			Chemical Body Composition, Digestive Enzymes, Gut Microflora and Resistance to *Aeromonas hydrophila* in Persian sturgeon (*Acipenser persicus*) Larvae
Ph.D	2010	Taheri	**Effect of Dietary Hydrolysed Protein Levels on Growth, Protease Enzymes, Body Composition, Gut Microbiota and Resistance to *Aeromonas salmonicida* on Rainbow Trout (*Oncorhynchus mykiss*) Alevin**
Ph.D	2009	Hosseini	**Influence of the Various Lipid and Antioxidants of Diet on Growth and Flesh Lipid Quality of Beluga Sturgeon (*Huso huso*) During Frozen Storage**

Thesis co-supervisor (M.SC)

Educational level	Year	Student	subject
M.Sc	2018	Farideh Hajivand Ghalebi	**Effect of Fuquidant (Marriott) on nonspecific immunity, some blood biochemical factors, growth and body composition of rainbow trout (*Oncorhynchus mykiss*)**
M.Sc	2010	Karimzadeh	**Effect of dietary selenium in different level of lipid on growth, body composition and tissue oxidation of *rainbow trout***
M.Sc	2009	Yousefi	**Effect of Nucleotide on growth, some hematological parameters, stress response and gut bacteria on *Huso huso***
M.Sc	2009	Oulad	**Effect of Nucleotide on structure and ultra structure and intestine osmoregulation of Caspian Trout (*Salmo trutta caspius*) Fry**
M.Sc	2004	Mohammad Kazem Mirzakhani	**Effects of Using Enriched Artemia with Highly Unsaturated Fatty Acids (HUFA) and Non Enriched Artemia on Growth and Survival of Rainbow Trout (*Oncorhynchus mykiss*) Larvae**
M.Sc	2003	Lima Tayebi	**Effects of Temperature and harvesting times on the hatchability and nutritional value of *Artemia urmiana***

Thesis co-supervisor (Ph.D)

Educational level	Year	Student	subject
Ph.D	2022	Azin Fahim	**Increasing the biosynthesis of triacylglycerol (TAG) by inducing abiotic stress and assessing the profile of fatty acid as well as acetyl-CoA**

Others			
			synthetase (ACS) gene expression in Nannochloropsis oculata
Ph.D	2011	Oujifard	**Effect of fish meal replacement with rice bran concentrate on growth, and quality of *Litopenaeus vannamei* during freezing storage**.
Ph.D	2007	Valiollah Jafari Shamoushaki	**Structure and preference of olfactory and gustatory reception in Persian sturgeon (*Acipenser persicus Borodin 1897*)**
Ph.D	2006	Asghar Zahmatkesh	**The effects of various concentrations of dietary calcium and phospholipids on biological and culture characteristics of juvenile freshwater crayfish (*Astacus leptodactylus Esch, 1823*)**
Ph.D	2006	Alireza Valipour	**Effects of various levels of lipid, oils kind and n۳/n ۶ratio on growth, survival and body composition of narrow – clawed crayfish, (*Astacus leptodactylus Esch, 1823*)**

Others

1) Participating in training course of prawn nutrition, under institute of bioscience, UPM, 2000-2001, Malaysia
2) Participating in training course of Shrimp Hatchery Operation & Management Course under NAPFRE, 2000, Malaysia
3) Participating in sabbatical leave for 8 month in Ohio State University, Aquaculture lab, 2011.
4) Member of scientific committee of fisheries department from 2000.
5) Executive director of Iranian Journal of Marine Science 2002-2010.
6) Member of faculty research council, 2004 – 2005& 2007-2017.
7) University Top Worker Professor in 2007.
8) University Top Researcher in 2007, 2010, 2014, 2016, 2022.
9) University Superior Master in 2010.
10) Fundation member of Khazar institute of higher education.
11) Trustee's member of Khazar institute of higher education.
12) Member of University board, 2014-2016.
13) Member of University Natural Resources Special Commission, 2014 -2018.

14) Director-in-Charge of Fisheries Science and Technology Journal from 2011 utill now.
15) Member of the specialized working group of animal sciences, veterinary medicine and fisheries of the Iranian National Science Fundation (INSF) since 2019 -2023.