

CURRICULUM VITAE

Bahram Falahatkar

PhD in aquaculture (Professor)
Fisheries Department
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Education

Ph.D. 2005. Tarbiat Modares University, Noor, Iran
Major: Aquaculture; Thesis title: Effects of dietary vitamin C on some hematological, biochemical and growth indices in great sturgeon, *Huso huso*
MSc. 1998. Tarbiat Modarres University, Noor, Iran
Major: Fisheries; Thesis title: Qualitative evaluation of physiological and biological aspects of Russian sturgeon, *Acipenser gueldenstaedti*, broodstocks in winter artificial propagation

Research Interests

Physiological responses of fish to stress particularly those resulting from aquacultural practices
Nutritional requirements
Hematological indices of fish as act physiological reactions
Propagation and rearing of fish, especially sturgeon fishes
Broodstock quality and management

Academic Employments

1999-2004: Institute of Technical & Vocational Higher Education, Tehran, Iran.
Associate; Fisheries and Aquatics Department.

2004-2005: School of Environmental and Natural Resources, The Ohio State University, Columbus, Ohio, USA
Visiting Scholar; Aquaculture program.

2005-2010: Faculty of Natural Resources, University of Guilan, Guilan, Iran.
Assistant Professor; Fisheries Department.

2010-2014: Faculty of Natural Resources, University of Guilan, Guilan, Iran.
Associate Professor; Fisheries Department.

2015 (September-November): South Ehime Fisheries Research Center, University of Ehime and Oizumi Station of the Field Science Center of Tokyo University of Marine Science and Technology, Japan
Visiting Scholar; Germ cells transplantation and microinjection.

2023 (May-July): Faculty of Science and Technology, University of Lorraine, Nancy, France
Visiting Scholar; Domestication of zabrafish.

2024 (June-July): Faculty of Science and Technology, University of Lorraine, Nancy, France
Visiting Scholar; Domestication of zabrafish.

2022-present: Faculty of Natural Resources, University of Kurdistan, Kurdistan, Iran.
Invited Professor; Fisheries Department.

2014-present: Faculty of Natural Resources, University of Guilan, Guilan, Iran.
Professor; Fisheries Department.

Google Scholar

<https://scholar.google.com/citations?hl=en&user=YEeukAgAAAAJ>

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Awards

Iran Best Student (2004)
Iran Best Researcher (2018)
Iran Best Teacher (2018)

Courses Taught

Fish Physiology
Aquaculture Nutrition
Mariculture
Live Food Culture
Propagation and Rearing of Aquatics
Coldwater Fish Culture
Project in Fisheries
Seminar in Fisheries

Peer-Reviewer for the Journals

Reviews in Fish and Fisheries
Reviews in Aquaculture
Aquaculture
Theriogenology
Theriogenology Wild
Frontiers in Physiology
Scientific Reports
Fish Physiology and Biochemistry
Plos One
Aquaculture Nutrition
Journal of Thermal Biology
Animals
Heliyon
Fishes
Comparative Physiology and Biochemistry
Aquaculture Research
Aquaculture International
Journal of Fish Biology
North American Journal of Aquaculture

Genome
Journal of Fish Diseases
Environmental Biology of Fishes
Animal Reproduction
Reproduction in Domestic Animals
Journal of the World Aquaculture Society
Journal of Applied Ichthyology
Acta Ichthyologica Et Piscatoria
Archive of Polish Fisheries
Iranian Journal of Fisheries Sciences
Caspian Journal of Environmental Sciences
Turkish Journal of Fisheries Sciences
Applied Animal Behaviour Science
Iranian Journal of Ichthyology
International Aquatic Research
Iranian Scientific Fisheries Journal
Neotropical Ichthyology
Journal of Applied Aquaculture
Journal of Agricultural Science and Technology

Member of editorial boards

Caspian Journal of Environmental Sciences
Acta Ichthyologica Et Piscatoria
Iranian Journal of Fisheries Sciences
International Journal of Aquatic Biology
Iranian Scientific Fisheries Journal
Aquaculture Studies
Turkish Journal of Fisheries and Aquatic Sciences
Sustainable Aquaculture and Health Management Journal

Editor-in-chief

Journal of Aquatic Animals Nutrition

Guest editor

Frontiers in Physiology

Professional Societies

World Aquaculture Society
American Fisheries Society
World Sturgeon Conservation Society
European Aquaculture Society
Aquacultural Engineering Society
Iranian Aquaculture Society

Publications

Translated books

- 6- Żarski, D., Horváth, A., Bernáth, G., Krejszeff, S., Radóczy, J., Żarska, K.P., Bokor, Z., Kupren, K., Urbányi, B. 2017. Controlled Reproduction of Wild Eurasian Perch: A hatchery manual. Translated by **Falahatkar, B.**, Akbari Nargesi, E. (2022). University of Guilan Press, Rasht.
- 5- Berka, R. 1986. The Transport of Live Fish - A Review. Translated by Javid Rahmdel, K., **Falahatkar, B.** (2022). Sarava Publication, Tehran.
- 4- Jeney, Z., Bekh, V. 2020. Technical Manual on Broodstock Management of Common Carp and Chinese Herbivorous Fish. Translated by **Falahatkar, B.**, Javid Rahmdel, K. (2021). Sarava Publication, Tehran.
- 3- Somerville, C., Cohen, M., Pantanella, E., Stankus, A., Lovatelli, A. 2014. Small-scale aquaponic food production. Integrated fish and plant farming. FAO Fisheries and Aquaculture Technical Paper 589, FAO, Rome, Italy. Translated by **Falahatkar, B.**, Rahdari, A. (2018). University of Guilan Press, Rasht.
- 2- Klontz, J.W. 1990. Fish for Future. Translated by Pourhossein, S., **Falahatkar, B.** (2016). Sarava Publication, Tehran.
- 1- Chebanov, M.S., Galich, E.V. 2011. Sturgeon Hatchery Manual. FAO Fisheries and Aquaculture Technical Paper 558, FAO, Ankara, Turkey. Translated by **Falahatkar, B.** (2015). Sarava Publication, Tehran.

Book chapters

- 3- **Falahatkar, B.** 2018. Nutritional requirements of the Siberian sturgeon: An updated synthesis. In: The Siberian Sturgeon (*Acipenser baerii*, Brandt, 1869).

- Williot, P., Nonnotte, G., Vizziano-Cantonnet, D., Chebanov, M. (Eds.) Volume 1 - Biology. Springer, Cham. pp 207-228.
- 2- Steinfeldt, S., Fontaine, P., Overton, J.L., Policar, T., Toner, D., **Falahatkar, B.**, Horváth, A., Ben Khemis, I., Hamza, N., Mhetli, M. 2015. Current status of Eurasian percid fishes Aquaculture. In: Biology and Culture of Percid Fishes. Kestemont, P., Dabrowski, K., Summerfelt, R.S. (Eds.). Springer Science, Dordrecht. pp 817-841.
- 1- **Falahatkar, B.** 2002. Status of sturgeon fishes in the Caspian Sea basin, 42-61. In: Caviar. Mahmoudnezhad, M. (Ed.). Aslani Publication, Tehran.

Books

- 7- **Falahatkar, B.**, Abdollahpour, H., Jafari Pastaki, N. 2024. Propagation, Breeding and Stocks Rehabilitation of Asp. University of Guilan Press, Rasht, 116 p.
- 6- **Falahatkar, B.**, Javid Rahmdel, K. 2022. A Practical Manual for Propagation and Rearing of Pikeperch. University of Guilan Press, Rasht, 216 p.
- 5- **Falahatkar, B.**, Javid Rahmdel, K., Poursaeid, S. 2020. Principles of Management in Recirculating Aquaculture Systems. Sarava Publication, Tehran, 158 p.
- 4- **Falahatkar, B.** 2020. Sturgeon Aquaculture. Institute of Agricultural Education and Extension, Tehran, 124 p.
- 3- **Falahatkar, B.**, Rahdari, A. 2018. Aquaculture in Arid and Semi-arid Areas. University of Guilan Press, Rasht, 298 p.
- 2- **Falahatkar, B.** 2017. Biology and Physiology of the Sturgeon Fishes in the Caspian Sea. University of Guilan Press, Rasht, 247 p.
- 1- **Falahatkar, B.** 2014. Feeding and Feed Formulation in Aquatic Organisms. Institute of Technical and Vocational Higher Education, Tehran, 334 p.

Articles

- 185- Pourhosein-Sarameh, S., **Falahatkar, B.** 2024. Conservation of endangered sturgeon: A bibliometric approach and content analyses to track the scientific gaps. Aquaculture Research (In press).
- 184- Abdollahpour, H., Jafari, N., **Falahatkar, B.** 2024. Gender differences in response to 17 β -estradiol in zebrafish (*Danio rerio*): Growth, physiology, and reproduction. Aquaculture Reports (In press).
- 183- Efatpanah, I., **Falahatkar, B.**, Sajjadi, M.M., Monsef Shokri, M. 2024. The effect of feeding with Chironomid and Artemia on fatty acids and amino

- acids profiles in Persian sturgeon (*Acipenser persicus*) larvae. Aquaculture Nutrition (In press).
- 182- Roosta, Z., Unniappan, S., Ujua, C., Rahmati, M., **Falahatkar, B.** 2024. Intraperitoneal administration of kisspeptin-10 modulates follicle maturation, gonadal steroids, calcium and metabolites in Sterlet sturgeon, *Acipenser ruthenus*. Comparative Biochemistry and Physiology A (In press).
- 181- Pourhosein-Sarameh, S., **Falahatkar, B.** 2024. Pikeperch (*Sander lucioperca*) adaptive or maladaptive reactions to environmental stressors: A review. Aquaculture International (In press).
- 180- **Falahatkar, B.** 2024. Ship sturgeon extinction risk in the Caspian Sea. Science 383, 838.
- 179- Mortezaei, F., **Falahatkar, B.**, Sajjadi, M.M., Safari, R. 2024. Early nutritional programming in sterlet sturgeon (*Acipenser ruthenus*) with dietary soybean meal: assessment of growth performance, body composition, and expression of GH, IGF-I, and Ghrelin genes. PloS One 19, e0299203.
- 178- Mousavi-Sabet, H., **Falahatkar, B.** 2024. Effects of enriched *Artemia urmiana* with unsaturated fatty acids and vitamin C on reproductive performance and larval stress resistance of Severum *Heros severus*. Journal of Applied Aquaculture (in press).
- 177- Akbari Nargesi, E., Gorouhi, D., **Falahatkar, B.** 2024. Efficacy of sGnRHa in combination with domperidone on the sperm quality, seminal fluid metabolites, and fertilization ability of spermatozoa in Caspian Kutum, *Rutilus frisii*. Aquaculture International 32, 817-832.
- 176- Lavajoo, F., **Falahatkar, B.**, García-Meilán, I., Perelló-Amorós, M., Efatpanah, I., Gutierrez, J. 2023. Ontogeny of the digestive enzyme activity of the pikeperch (*Sander lucioperca*) under culture condition. Scientific Reports 13, 19739.
- 175- **Falahatkar, B.**, Poursaeid, S., Ershad Langroudi, H., Efatpanah, I., Meknatkhah, B. 2023. Oocyte maturation and changes of plasma steroid levels in the wild and cultured pikeperch *Sander lucioperca* following hormonal induction. Caspian Journal of Environmental Sciences (in press).
- 174- Bakhtiari Aqmasjed, Sh., Sajjadi, M.M., **Falahatkar, B.**, Safari, R. 2023. Effects of dietary ginger (*Zingiber officinale*) extract and curcumin on growth, hematology, immunity, and antioxidant status in rainbow trout (*Oncorhynchus mykiss*). Aquaculture Reports 32, 101714.
- 173- Akbari Nargesi, E., **Falahatkar, B.** 2023. Effects of dietary supplementation of multi-strain probiotics on semen quality, seminal plasma compositions, and fertilization ability of rainbow trout (*Oncorhynchus mykiss*) broodstock spermatozoa. Theriogenology 202, 1-9.
- 172- Akbari Nargesi, E., **Falahatkar, B.** 2023. Dietary supplementation of multi-strain probiotic in male rainbow trout (*Oncorhynchus mykiss*) broodstock:

- Effects on feed efficiency, hemato-biochemical parameters, immune response, and semen quality. *Fish Physiology and Biochemistry* 49, 371-384.
- 171- Akbari Nargesi, E., **Falahatkar, B.**, Żarski, D., Gorouhi, D. 2023. The effectiveness of Ovaprim, Ovopel, and their combinations in artificial reproduction of common rudd *Scardinius erythrophthalmus* under controlled conditions. *Theriogenology* 199, 14-20.
- 170- Ghiasi, S., **Falahatkar, B.**, Sajjadi, M.M. 2023. Effect of dietary flaxseed meal on growth, blood biochemistry, reproductive hormones and oocyte development in previtellogenic Siberian sturgeon (*Acipenser baerii* Brandt, 1869). *Animal Feed Science and Technology* 295, 115546.
- 169- **Falahatkar, B.**, Gholami, Sh., Rasouli, E., Efatpanah, I. 2023. Effect of different feeding rates on feed intake, growth and nutritional performance in juvenile Persian sturgeon (*Acipenser persicus*) at high temperature. *Iranian Scientific Fisheries Journal* 31, 39-50.
- 168- Mohammadi, M., **Falahatkar, B.**, Sajjadi, M.M., Akbari Nargesi, E. 2023. The effect of feeding strategies on growth performance, hematological indices, and biochemical parameters in male rainbow trout (*Oncorhynchus mykiss*) broodstocks. *Iranian Scientific Fisheries Journal* 32, 1-15.
- 167- **Falahatkar, B.**, Akbari Nargesi, E., Efatpanah, I., Żarski, D. 2022. The effectiveness of human chorionic gonadotropin in stimulation of second spermiation in pikeperch *Sander lucioperca* during the spawning season. *Animal Reproduction Science* 245, 107055.
- 166- Poursaeid, S., **Falahatkar, B.** 2022. Starvation alters growth, stress metabolites and physiological responses in juvenile great sturgeon (*Huso huso*). *Animal Feed Science and Technology* 294, 115429.
- 165- **Falahatkar, B.**, Roosta, Z. 2022. The feeding/fasting strategy, size heterogeneity, and stocking density impact on body performance and cannibalism rate of Persian sturgeon (*Acipenser persicus*) larvae. *Journal of Applied Ichthyology* 38, 487-492.
- 164- Roosta, Z., **Falahatkar, B.**, Sajjadi, M.M., Paknejad, H., Akbarzadeh, A., Kestemont, P. 2022. Sex and reproductive development impact skin mucosal epithelium immunity, antimicrobial capacity, and up-regulation of immune-related gene of goldfish (*Carassius auratus*). *Developmental and Comparative Immunology* 138, 104494.
- 163- **Falahatkar, B.**, Poursaeid, S., Sheridan, M.A. 2022. Repeated intraperitoneal injection of ovine growth hormone accelerates growth in sub-yearling Siberian sturgeon *Acipenser baerii*. *Heliyon* 8, e09667.
- 162- Abdollahpour, H., **Falahatkar, B.**, Van Der Kraak, G. 2022. Effect of water temperature and food availability on growth performance, sex ratio and gonadal development in juvenile convict cichlid (*Amatitlania nigrofasciata*). *Journal of Thermal Biology* 107, 103255.

- 161- **Falahatkar, B.**, Abdollahpour, H., Jafari, 2022. Physiological responses to air exposure stress in Siberian sturgeon (*Acipenser baerii* Brandt 1869) injected with dexamethasone. *Journal of Applied Ichthyology* 38, 311-319.
- 160- Defaee, S., **Falahatkar, B.**, Lavajoo, F., Efatpanah, I. 2022. The effect of a phytogenic feed additive (Digestrom P.E.P) on growth performance, proximate composition, hematological and immunological indices of juvenile beluga sturgeon *Huso huso*. *Aquaculture International* 30, 1171-1183.
- 159- Akbari Nargesi, E., **Falahatkar, B.**, Żarski, D. 2022. Artificial reproduction of Caspian roach, *Rutilus caspicus* following stimulating ovulation with Ovaprim, Ovopel, and their combinations under controlled conditions. *Animal Reproduction Science* 238, 106932.
- 158- Jafari, N., Abdollahpour, H., Karimzadeh, M., **Falahatkar, B.** 2022. A potential role of nettle (*Urtica dioica*) extract on growth, biochemical changes and reproductive performance of convict cichlid (*Amatitlania nigrofasciata*). *Fish Physiology and Biochemistry* 48, 133-144
- 157- Roosta, Z., **Falahatkar, B.**, Sajjadi, M.M., Paknejad, H., Mandiki, S.N.M., Kestemont, P. 2022. Comparative study on accuracy of mucosal estradiol-17 β , testosterone and 11-ketotestosterone, for maturity, and cutaneous vitellogenin gene expression in goldfish (*Carassius auratus*). *Journal of Fish Biology* 100, 532-542.
- 156- **Falahatkar, B.**, Javid Rahmdel, K., Rasouli Kargar, E., Gholami, Sh. 2022. Evaluation of various hCG treatment strategies applied to domesticated pikeperch (*Sander lucioperca*) broodstock on nest-spawning performance. *Aquaculture International* 30: 73-85.
- 155- Yousefi, S., **Falahatkar, B.** 2021. The feasibility of recording the electric frequency produced by different sexes in some freshwater fishes with the aim of sex determination. *Journal of Veterinary Research* 76, 334-341.
- 154- **Falahatkar, B.**, Alizadeh, H., Abdollahpour, H., Jafari, N., Rahmati, M. 2021. Comparison of the effect of sodium hypochlorite and clay on the de-adhesion of fertilized egg of Siberian sturgeon (*Acipenser baerii* Brandt, 1869). *Iranian Scientific Fisheries Journal* 30, 79-93.
- 153- Abbasi, M., **Falahatkar, B.**, Bani, A., Heidari, B. 2021. Comparative study of plasma biochemical parameters in mature male and female goldfish, *Carassius auratus*. *International Journal of Aquatic Biology* 9, 226-233.
- 152- Javid Rahmdel, K., **Falahatkar, B.** 2021. Adaptation of pikeperch (*Sander lucioperca*) to formulated diets: A review. *Fisheries & Aquatic Life* 29, 1-12.
- 151- Abdollahpour, H., **Falahatkar, B.**, Van Der Kraak, G. 2021. The effects of long-term thyroxine administration on hematological, biochemical and immunological features in sterlet sturgeon (*Acipenser ruthenus*). *Aquaculture* 544, 737065.

- 150- Mohammadzadeh, S., Yeganeh, S., Moradian, F., Milla, S., **Falahatkar, B.** 2021. Spawning induction in Sterlet sturgeon (*Acipenser ruthenus*) with recombinant GnRH: Analysis of hormone profiles and spawning indices. *Aquaculture* 533, 736108.
- 149- Rahdari, A., Khoshkholgh, M.R., Yarmohammadi, M., Ortiz-Zarragoitia, M., **Falahatkar, B.** 2020. Immune responses and hematological variables of cultured great sturgeon (*Huso huso*) subjected to 11-ketotestosterone implantation. *Iranian Journal of Fisheries Sciences* 19, 2437-2453.
- 148- Akhavan, S.R., **Falahatkar, B.**, McCormick., S.P.A. Lokman, P.M. 2020. Changes in lipid biology during ovarian development in farmed beluga sturgeon, *Huso huso* L. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology* 319, R376-R386.
- 147- Jafari, N., Abdollahpour, H., **Falahatkar, B.** 2020. Stimulatory effects of short-term calcitonin administration on plasma calcium, magnesium, phosphate, and glucose in juvenile Siberian sturgeon *Acipenser baerii*. *Fish Physiology and Biochemistry* 46, 1443-1449.
- 146- Rahdari, A., Khoshkholgh, M., Yarmohammadi, M., Ortiz-Zarragoitia, M., Lokman, P.M., Akhavan, S.R., Diaz de Cerio, O., Cancio, I., **Falahatkar, B.** 2020. The effects of 11-ketotestosterone implants on transcript levels of gonadotropin receptors, foxl2 and dmrt1 genes in the previtellogenic ovary of cultured Beluga (*Huso huso*). *Journal of Fish Biology* 97, 374-382.
- 145- Abdollahpour, H., **Falahatkar, B.**, Jafari, N., Lawrence, C. 2020. Effect of stress severity on zebrafish (*Danio rerio*) growth, gonadal development and reproductive performance: Do females and males respond differently?. *Aquaculture* 522, 735099.
- 144- Abdollahpour, H., **Falahatkar, B.**, Lawrence, C. 2020. The effect of photoperiod on growth and spawning performance of zebrafish (*Danio rerio*). *Aquaculture Reports* 17, 100295.
- 143- Akbari Nargesi, E., **Falahatkar, B.**, Sajjadi, M.M. 2020. Dietary supplementation of probiotics and influence on reproductive performance in female rainbow trout (*Oncorhynchus mykiss*) broodstock. *Aquaculture Nutrition* 26, 98-108.
- 142- Shirvan, S., **Falahatkar, B.**, Noveirian, H.A., Abbasalizadeh, A.R. 2019. Physiological responses to feed restriction and starvation in juvenile Siberian sturgeon *Acipenser baerii* (Brandt, 1869): Effects on growth, body composition and blood plasma metabolites. *Aquaculture Research* 51, 282-291.
- 141- Alinezhad, S., Abdollahpour, H., Jafari, N., **Falahatkar, B.** 2019. Effects of thyroxine immersion on Sterlet sturgeon (*Acipenser ruthenus*) embryos and larvae: variations in thyroid hormone levels during development. *Aquaculture* 519, 734745.
- 140- Abdollahpour, H., **Falahatkar, B.**, Efatpanah, I., Meknatkhah, B. 2019. Short-term physiological role of thyroxine administration on plasma

- metabolites and growth performance of Sterlet sturgeon *Acipenser ruthenus*. *Aquaculture Research* 51, 1372-1380.
- 139- Mohammadzadeh, S., Moradian, F., Yeganeh, S., **Falahatkar, B.**, Milla, S. 2019. Design, production and purification of a novel recombinant gonadotropin-releasing hormone associated peptide as a spawning inducing agent for fish. *Protein Expression and Purification* 166 105510.
- 138- **Falahatkar, B.**, Bagheri, M., Efatpanah, I. 2019. The effect of stocking densities on growth performance and biochemical indices in new hybrid of *Leuciscus aspius* ♀ × *Rutilus frisii* ♂. *Aquaculture Reports* 15, 100208.
- 137- Akhavan, S., Salati, A.P., Jalali, A.H., **Falahatkar, B.** 2019. Expression profile of star and cyp19 and plasma sex steroid during gonad development from previtellogenesis to early atresia in captive Sterlet sturgeon, *Acipenser ruthenus*. *Journal of Applied Ichthyology* 35, 249-256.
- 136- **Falahatkar, B.**, Najafi, M. 2019. Modifying the physiological responses to handling stress in beluga sturgeon *Huso huso* (Linnaeus, 1758); Interactive effects of feeding time and dietary fat. *Journal of Applied Ichthyology* 35, 307-312.
- 135- Abdollahpour, H., **Falahatkar, B.**, Efatpanah, I., Meknatkhah, B., Van Der Kraak, G. 2019. Hormonal and physiological changes in Sterlet sturgeon *Acipenser ruthenus* treated with thyroxine. *Aquaculture* 507, 293-300.
- 134- Akhavan, S.R., **Falahatkar, B.**, Ward, J.M., Lokman, P.M. 2019. 11-Ketotestosterone induces oocyte growth, but does not affect oocyte cytology in pre-vitellogenic captive beluga, *Huso huso* L. *Comparative Biochemistry and Physiology* 232, 51-59.
- 133- Hassanzadeh Saber, M., Baradaran Noveiri, S., Pourkazemi, M., **Falahatkar, B.**, Yarmohammadi, M., Nowruz Fashkhami, M. 2019. Masculinization of the gynogenetic juvenile ship sturgeon *Acipenser nudiventris* using 17 α -methyl testosterone. *Journal of Applied Ichthyology* 35, 843-849.
- 132- Pourhosein Saramah, S., Bahri, A.H., Salarzadeh, A., **Falahatkar, B.** 2019. Effects of fish oil replacement with vegetable oil in diet of sterlet sturgeon (*Acipenser ruthenus*) broodstock on expression of lipid metabolism related genes in eggs. *Aquaculture* 505, 441-449.
- 131- **Falahatkar, B.**, Safarpour Amlashi, A., Kabir, M. 2019. Ventilation frequency in juvenile Beluga sturgeon *Huso huso* L. exposed to clay turbidity. *Experimental Marine Biology and Ecology* 513, 10-12.
- 130- Jafari, N., **Falahatkar, B.** 2019. Growth performance and physiological changes of holding juvenile Siberian sturgeon at different sizes in rearing units. *Aquaculture Research* 50, 699-706.
- 129- Pourhosein Saramah, S., Bahri, A.H., **Falahatkar, B.**, Yarmohammadi, M., Salarzadeh, A.R. 2019. The effect of fish and rapeseed oils on growth performance, egg fatty acid composition and offspring quality of sterlet sturgeon (*Acipenser ruthenus*). *Aquaculture Nutrition* 25, 543-554.

- 128- Roosta, Z., Ghiasi, S., **Falahatkar, B.** 2019. Comparative study on hormones and biochemistry indices in plasma, ovarian fluid and oocytes of LHRHa2-induced female Stellate sturgeon (*Acipenser stellatus*). *Aquaculture Research* 50, 139-145.
- 127- Jafari, N., **Falahatkar, B.**, Sajjadi, M.M. 2019. The effect of feeding strategies and body weight on growth performance and hematological parameters of Siberian sturgeon (*Acipenser baerii*, Brandt 1869): Preliminary results. *Journal of Applied Ichthyology* 35, 289-295.
- 126- **Falahatkar, B.**, Efatpanah, I., Meknatkhah, B. 2019. A comparative study of feeding methods: effect on the growth, behaviour and biochemical performance of juvenile Beluga sturgeon (*Huso huso* Linnaeus, 1758). *Journal of Applied Ichthyology* 35, 283-288.
- 125- Potki, N., **Falahatkar, B.**, Alizadeh, A. 2018. Growth, hematological and biochemical indices of common carp *Cyprinus carpio* fed diets containing corn gluten meal. *Aquaculture International* 26, 1573-1586.
- 124- Abdollahpour, H., **Falahatkar, B.**, Efatpanah, I., Meknatkhah, B., Van Der Kraak, G. 2018. Influence of thyroxine on spawning performance and larval development of Sterlet sturgeon *Acipenser ruthenus*. *Aquaculture* 497, 134-139.
- 123- Javid Rahmdel, K., Allaf Noveirian, H., **Falahatkar, B.**, Babakhani Lashkan, A. 2018. Effect of fish meal replacement with sunflower meal on growth performance, body composition, hematological and biochemical indices of common carp (*Cyprinus carpio*) fingerlings. *Archives of Polish Fisheries* 26, 121-129.
- 122- Jafari, N., **Falahatkar, B.**, Sajjadi, M.M. 2018. Growth performance and plasma metabolites in juvenile Siberian sturgeon *Acipenser baerii* (Brandt, 1869) subjected to various feeding strategies at different sizes. *Fish Physiology and Biochemistry* 44, 1363-1374.
- 121- **Falahatkar, B.**, Asheri, S., Safarpour Amlashi, A., Ershad Langroudi, H. 2018. Canola oil, as a good alternative dietary lipid source in sturgeon: Effects on growth, physiology and fatty acids profile in Beluga sturgeon *Huso huso* L. *Aquaculture Nutrition* 24, 1263-1273.
- 120- **Falahatkar, B.**, Efatpanah, I., Kestemont, P. 2018. Pikeperch *Sander lucioperca* production in south part of the Caspian Sea: technical notes. *Aquaculture International* 26, 391-401.
- 119- Mohammadzadeh, S., Noverian, H.A., Ouraji, H., **Falahatkar, B.** 2017. Growth, body composition and digestive enzyme responses of Caspian Kutum, *Rutilus frisii* (Kamenskii, 1901), juveniles fed on different levels of carbohydrate. *Journal of Applied Ichthyology* 33, 983-990.
- 118- **Falahatkar, B.**, Kohansal, Mohammadaliha, R. 2017. Stress and hematological responses of beluga sturgeon (*Huso huso* L.) juveniles held in low or high densities in winter condition after applying anesthesia. *Iranian Scientific Fisheries Journal* 26, 127-140.

- 117- Alinezhad, S., Faridi, M., **Falahatkar, B.**, Nabizadehd, R., Davoodi, D. 2017. Effects of nanostructured zeolite and aflatoxin B1 in growth performance, immune parameters and pathological conditions of rainbow trout *Oncorhynchus mykiss*. *Fish and Shellfish Immunology* 70, 648-655.
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Oral and Poster Presentations

- 142- **Falahatkar, B.**, Akbari Nargesi, E. 2023. Characterization of sterlet (*Acipenser ruthenus*) semen collected by different methods. SOFAS, International Symposium on Fisheries and Aquatic Sciences. October 24-26, Trabzon, Turkey (Invited).
- 141- Mortezaei, F., **Falahatkar, B.**, Sajjadi, M.M., Safari, R. 2023. Gene expression of PPAR- α associated with the nutritional intervention of plant-based diet in sterlet sturgeon (*Acipenser ruthenus*) through initial feeding stage. SOFAS, International Symposium on Fisheries and Aquatic Sciences. October 24-26, Trabzon, Turkey (Invited).
- 140- **Falahatkar, B.**, Efatpanah, I., Rasouli Kargar, E., Gholami, S. 2022. Controlled reproduction of pikeperch (*Sander lucioperca*); First step to domestication process. 5th International Percid Fish Symposium. September 18-23, České Budějovice, Czech Republic.
- 139- **Falahatkar, B.**, Mortezaei, F., Rasouli Kargar, E., Asgari, R., Rahmati, M., Gholami, S. 2022. Growth performance and fatty acid composition of juvenile pikeperch (*Sander lucioperca* Linnaeus, 1785) derived from cultured and wild broodstock fed with chironomid and Artemia biomass. 5th International Percid Fish Symposium. September 18-23, České Budějovice, Czech Republic.
- 138- **Falahatkar, B.**, Poursaeid, S., Ershad Langroudi, H., Efatpanah, I., Meknatkhah, B. 2022. Oocyte maturation and changes in steroid levels in the wild and domesticated pikeperch *Sander lucioperca* following hormonal treatments. 5th International Percid Fish Symposium. September 18-23, České Budějovice, Czech Republic.
- 137- Lavajoo, F., **Falahatkar, B.**, Efatpanah, I., Guttierrez, J. 2022. Embryology and allometry of body growth during early development of pikeperch (*Sander lucioperca*). 5th International Percid Fish Symposium. September 18-23, České Budějovice, Czech Republic.
- 136- Pourhosein-Sarameh, S., **Falahatkar, B.** 2022. Pikeperch (*Sander lucioperca*) adaptive or maladaptive reactions to environmental stressors: A review. 5th International Percid Fish Symposium. September 18-23, České Budějovice, Czech Republic.
- 135- **Falahatkar, B.** Abdollahpour, H. Efatpanah, I. Meknatkhah, B., Van Der Kraak, G. 2019. Thyroxine administration on Sterlet sturgeon (*Acipenser ruthenus*) broodstock: Alters in thyroid hormone levels and its effect on reproductive performance. International Fisheries and Aquaculture Conference, January 30-31, UVAS, Lahore, Pakistan. (invited, oral presentation)
- 134- Abdollahpour, H., **Falahatkar, B.**, Efatpanah, I., Meknatkhah, B. 2017. Effect of intraperitoneal thyroxine injection on hematological indices in

- Sterlet sturgeon (*Acipenser ruthenus*) broodstock; A preliminary results. 8th International Symposium on Sturgeon, September 10-16, Vienna, Austria.
- 133- Abdollahpour, H., **Falahatkar, B.** 2017. Improvement of some performance in Sterlet sturgeon (*Acipenser ruthenus*) larvae as a consequence of thyroxine injection to broodstock. 8th International Symposium on Sturgeon, September 10-16, Vienna, Austria.
- 131- Ghiasi, S., **Falahatkar, B.** 2017. Changes of glucose and cholesterol in plasma, ovarian fluid and eggs in *Acipenser stellatus* during final maturation. 8th International Symposium on Sturgeon, September 10-16, Vienna, Austria.
- 130- Jafari, N., **Falahatkar, B.**, Sajjadi, M.M. 2017. Glucose and cholesterol levels in plasma, ovarian fluid and eggs in *Acipenser stellatus* during final maturation. 8th International Symposium on Sturgeon, September 10-16, Vienna, Austria.
- 129- Efatpanah, I., Meknatkhah, B., Rahmati, M., **Falahatkar, B.** 2017. The effect of vision on growth performance of great sturgeon (*Huso huso*) juveniles. 8th International Symposium on Sturgeon, September 10-16, Vienna, Austria.
- 128- Rahdari, A., **Falahatkar, B.**, Yarmohammadi, M., Khoshkholgh, M.R. 2017. The effect of vision on growth performance of great sturgeon (*Huso huso*) juveniles. 8th International Symposium on Sturgeon, September 10-16, Vienna, Austria.
- 127- Akbari Nargesi, E., **Falahatkar, B.**, Sajjadi, M.M. 2017. Reproductive performance in rainbow trout, *Oncorhynchus mykiss*: exclusive study of probiotic effect on female broodstock. 6th International Workshop on the Biology of Fish Gamete, September 4-7, Vodnany, Czeck Republic.
- 126- **Falahatkar, B.**, Haghparast, P. 2016. Changes in cortisol, estradiol-17 β and thyroid hormones during the embryonic development of the Persian sturgeon, *Acipenser persicus*. International Conference on the Future of Sturgeon Aquaculture, September 5-6, Rasht, Iran.
- 125- **Falahatkar, B.**, Poursaeid, S., Meknatkhah, B., Efatpanah, I., Rahmati, M. 2016. Possibility of hybridization in Stellate sturgeon (*Acipenser stellatus* ♀) \times Siberian sturgeon (*Acipenser baeri* ♂) using cryopreserved sperm. International Conference on the Future of Sturgeon Aquaculture, September 5-6, Rasht, Iran.
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- 119- **Falahatkar, B.**, Poursaeid, S., Efatpanah, I., Meknatkhah, B. 2015. Effect of fasting and feeding on growth, plasma metabolites, body composition and responses to acute stress in great sturgeon *Huso huso*. Middle East and Central Asia Aquaculture 2015, December 14-16, Tehran, Iran.
- 118- Sabouri, S., **Falahatkar, B.**, Khoshkholgh, M.R., Abtahi, B. 2015. Physiological changes of juvenile Caspian Kutum (*Rutilus frisii*) exposed to water soluble fraction of crude oil. Middle East and Central Asia Aquaculture 2015, December 14-16, Tehran, Iran.
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- 116- Shirvan, S., **Falahatkar, B.**, Noveirian, H.A., Abbasalizadeh, A.R. 2015. Physiological responses to starvation in *Acipenser baerii* (Brandt, 1969): Effects on hematological and biochemical parameters. Middle East and Central Asia Aquaculture 2015, December 14-16, Tehran, Iran.
- 115- **Falahatkar, B.**, Rafatnezhad, S. 2015. Effect of density on performance and water quality of hatchery-reared great sturgeon, *Huso huso*. Middle East and Central Asia Aquaculture 2015, December 14-16, Tehran, Iran.
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- 104- Poursaeid, S., **Falahatkar, B.**, Mojazi Amiri, B., Van Der Kraak, G. 2013. Effect of triiodothyronine implantation on gonadal development, sex steroid levels and ovarian triiodothyronine content in cultured great sturgeon. 7th International Symposium on Sturgeon. July 21-25, Nanaimo, Canada.
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- 97- Ghiasi, S., **Falahatkar, B.**, Dabrowski, K., Abbasalizadeh, A. 2012. Effect of thiamine on growth indices of Sterlet sturgeon (*Acipenser ruthenus*) - A preliminary results. Aqua 2012, September 1-5, Prague, Czech Republic.
- 96- Hamidoghli, A., **Falahatkar, B.**, Khoshkholgh, M.R., Sahragard, A. 2012. Indoor production and enrichment of chironomidae larvae with vitamin C. Aqua 2012, September 1-5, Prague, Czech Republic.
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- 90- Salamroodi, M., **Falahatkar, B.** 2012. Acute toxicity of ammonia on juvenile beluga sturgeon *Huso huso*. Aqua 2012, September 1-5, Prague, Czech Republic.
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- 85- **Falahatkar, B.**, Poursaeid, S., Efatpanah, I., Ershad Langroudi, H., Meknatkhah, B. 2011. Spawning induction in Kutum *Rutilus kutum* using different hormonal administrations: analysis of hormone profile and success of induction. Diversification in Inland Finfish Aquaculture, May 16-18, Pisek, Czech Republic.
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- 64- **Falahatkar, B.**, Efatpanah, I., Meknatkhah, B., Tolouei, M.H., Kucharczyk, D. 2010. Induced spawning of Asp (*Aspius aspius taeniatus*) using Ovaprim and carp pituitary extract. 10th The University of Guilan Scientific Research Conference. May 8-10, Guilan, Iran.
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- 62- **Falahatkar, B.**, Rahmati, F., Khara, H. 2010. Effects of starvation and refeeding on some Haematological, biochemical and growth performance in caspian salmon *Salmo trutta caspius*. Aquaculture America, March 3-5, San Diego, California.
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- 55- **Falahatkar, B.**, Tolouei, M.H., Falahatkar, S. 2009. Gender and maturity stage determinations of great sturgeon using endoscopy imagery. 6th International Symposium on Sturgeon. October 25-30, Wuhan, China, 139-141.
- 54- **Falahatkar, B.**, Abbasalizadeh, A., Tolouei, M.H. Jafarzadeh, A. 2009. Compensatory growth following food deprivation in great sturgeon. 6th International Symposium on Sturgeon. October 25-30, Wuhan, China, 241-243.

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- 52- **Falahatkar, B.**, Bani, A., Zamani, H.A. 2009. Effects of suspended sediments on plasma osmolality and stress response in juvenile Persian sturgeon *Acipenser persicus*. 6th International Symposium on Sturgeon. October 25-30, Wuhan, China, 69-71.
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