

Curriculum Vitae

Personal Information:

Name: Nemat mahmoudi
Date of birth: 1982
Place of birth: Noor, Iran
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Education Records:

Degree	University	Field	Date
B. Sc.	Gorgan University	Aquaculture	2000-2004
M. Sc.	Tarbiat modares University	Aquaculture	2004-2007
Ph. D	Tarbiat modares University	Aquaculture	2007-2013

Ph. D thesis: Interactions of Planktonic Communities in Mazandaran Coasts with Emphasis on Ctenophore *Mnemiopsis leidyi*

Research Interests

- Soil and water quality management in aquaculture
- Bio-fertilizer and biofilter
- Data analysis in ecology

Course Taught

- Hydrobiology
- Water quality management in aquaculture
- Microbiology of the aquatic environments

Honors and Distinctions:

- Top graduated in B. Sc. and M.Sc.

List of Patent and Research Plans

- **Research Plans:** Isolation and Identification of Phosphate-Solubilizing Bacteria from the sediments of Warm-water Fish Farms in Mazandaran Province and their Application as a Bio-fertilizer. Iran National Science Foundation (Project Number: 96009511). In process.

- **Patent:** Biological supplementation of phosphate solubilizing bacteria for Warm-water fishpond. Iran intellectual property office (No. 139750140003007798). In process.

Thesis supervisor

- **Mostafa Armandeh (2018)**

Isolation and Identification of Phosphate-Solubilizing Bacteria from Warm-water Fish Ponds in the Central Regions of Mazandaran and their Effects on Water-Soluble Phosphate under Laboratory Conditions

- **Zahra Babaei (2017)**

Spatiotemporal Relationships of the Life Stages of *Acartia tonsa* with other Planktonic Communities and Physicochemical Parameters in Mazandaran Coasts

- **Rana Dashtbin (2019)**

Isolation and Identification of Hydrogen Sulphide Oxidizing Bacteria from Warm-water Fish Farms in the Central Regions of Mazandaran and their Impact on Hydrogen Sulfide Removal under Laboratory Conditions

- **Vahed Arjamnd (2019)**

Isolation, Identification and Performance of Bacteria with the Ability to Release Phosphorus from Organic Sediment Complexes of Warm-water Fishponds in Mazandaran province

- **Mohadese Tavakoli (2019)**

Isolation, Identification and Performance of Fungia with the Ability to Release Phosphorus from Organic Sediment Complexes of Warm-water Fishponds in Mazandaran province

Thesis co-supervisor

- **Elham Haghsenas (2016), Tarbiat Modares University**

Critical analysis of previous studies in relation to identifying suitable area for marine aquaculture in coasts of Mazandaran province using spatial models

- **Leila Kharrazi Bakhshayesh (2016), Mazanadaran University**

Population and bio-diversity assessment of zooplanktons in the southern part of the Caspian Sea

- **Dariush Ashtab (2016), Tarbiat Modares University**

Comparison of multi-criteria evaluation and simulated annealing approaches for identifying suitable marine protected areas (MPAs) in South Caspian Sea

- **Mahdieh Abadijoo ravari (2017), Tarbiat Modares University**

Spatial Species Distribution Modelling of Invasive Ctenophora (*Mnemiopsis leidyi*) and its Implications on Ecosystem Services Assessment of Southern Caspian Sea

- **Jamshid Darzi (2018), Gonbad Kavous University**

Performance evaluation of phosphate-solubilizing fungia from fish earthen pond in Mazandaran Province

- **Fatemeh Jannar fereidoni (2019). Tarbiat Modares University**

Investigation of the temporal and spatial variations of the mixed layer depth and its effect on chlorophyll-a concentration in the southern Caspian Sea (Mazandaran regions)

Publications

Research Publications (English journals)

- Morteza Yousef, Mehdi Paktinat, **Nemat Mahmoudi**, Amalia Pe'rez-Jime'nez, Seyyed Morteza Hoseini (2016). Serum biochemical and non-specific immune responses of rainbow trout (*Oncorhynchus mykiss*) to dietary nucleotide and chronic stress. *Fish Physiology Biochemistry* 42:1417–1425.

- Marayam Yaghobi, Fatemeh Paykan Heyrati, Salar Dorafshan and **Nemat Mahmoudi** (2015). Serum Biochemical Changes and Acute Stress Responses of the Endangered Iridescent Catfish (*Pangasianodon hypophthalmus*) Supplied with Dietary Nucleotide. *Journal of Agricultural Science and Technology (JAST)*, 17: 1161-1170.

- Marayam Yaghobi¹, Salar Dorafshan^{1*}, Mostafa Akhlaghi², Fatemeh Paykan Heyrati¹ and **Nemat Mahmoudi** (2014). Immune responses and intestinal morphology of striped catfish, *Pangasianodon hypophthalmus* (Sauvage, 1878), fed dietary nucleotides *Journal of Applied Ichthyology*, 1-5.

- Marayam Yaghobi¹, Salar Dorafshan^{1*}, Mostafa Akhlaghi², Fatemeh Paykan Heyrati¹ and **Nemat Mahmoudi** (2014). Intestinal microbiota of striped catfish, *Pangasianodon hypophthalmus* (Sauvage, 1878) fed on dietary nucleotide *Iranian Journal of Ichthyology*, 1: 274-280.

- **Nemat Mahmoudi**, Mohammad Reza Ahmadi, Manoochehr Babanezhad, Jafar Seyfabadi* (2014). Environmental variables and their interaction effects on chlorophyll-a in coastal waters of the southern Caspian Sea: assessment by multiple regression grey models. *Aquatic Ecology*, 48:351–365.

- Abdolmohammad Abedian Kenari^{1*}, **Nemat Mahmoudi**¹, Mehdi Soltani², Saeid Abedian kenari³ (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.

- Ahmad Tahmasebi-Kohyani¹, Saeed Keyvanshokoo^{1*}, Amin Nematollahi², **Nemat Mahmoudi**³, Hossein Pasha-Zanoosi⁴ (2012). Effects of dietary nucleotides supplementation on rainbow trout (*Oncorhynchus mykiss*) performance and acute stress response. *Fish Physiology and Biochemistry*, 38 (2): 431- 440.

- Ahmad Tahmasebi-Kohyani¹, Saeed Keyvanshokoo^{1*}, Amin Nematollahi² **Nemat Mahmoudi**³, Hossein Pasha-Zanoosi⁴ (2011). Dietary administration of nucleotides to enhance growth, humoral immune responses, and disease resistance of the rainbow trout (*Oncorhynchus mykiss*) fingerlings. *Journal of Fish and Shellfish Immunology*, 30: 189-193.

- **Nemat Mahmoudi** • Mohammad Reza Ahmadi • Manoochehr Babanezhad • Jafar Seyfabadi (). Spatiotemporal relationships between life stages (cydippid, transition, and adult) of *Mnemiopsis leidyi*, and abiotic and biotic parameters in coastal waters of the southern Caspian Sea (A modeling approach).. *Journal of Great Lake Research*. (*Under review*).

Research Publications (Iran) journals.

- Mostafa Armandeh; **Nemat Mahmoudi***; Alireza Fallah Nosratabad (2019). Isolation and identification of phosphate solubilizing bacteria from warm-water fish farms as phosphate biofertilizer candidates. *Aquatic Physiology and Biotechnology*, 6 (4):121-140.

- Zahra Babaei; **Nemat Mahmoudi*** ; Jafar Syfabadi (2018). Relationship between life stages (nauplius, copepodite and adult) of *Acartia tonsa* with physicochemical parameters and dominant Planktonic species in Mazandaran Coasts during summer (a modeling approach). *Journal of Animal Environment*, 10(3): 427-434.
 - E. Haghshenas, M. Gholamalifard, **N. Mahmoudi** (2017). Applied introduction of ecosystem service modeling of marine aquaculture: Approach for estimation of production and net present value (NPV). *Iranian Scientific Fisheries Journal*, 26(1): 141-152.
 - Dariush Ashtab; Mehdi Gholamalifard ; **Nematallah Mahmoudi** (2018) Species Suitability Modeling of Caspian kutum (*Rutilus frisii* kutum) based on A Multi-Criteria Evaluation for in Southern Caspian Sea. *Journal of Animal Environment*, 9(4): 235-246.
 - Fatemeh Kardel *, Leila Kharrazi Bakhshayesh, Aboulghasem Roohi, **Nemat Mahmoudi** (2017) Species composition, density and biomass of Rotatoria, Protozoa and Meroplanktons in the south of the Caspian Sea (Babolsar). *Journal of Aquatic Ecology*, 7(1): 116-125.
 - Nemat mahmoudi; Mohamadreza ahmadi; Manoocher babanezhad; Jafar Seyfabadi (2017) Seasonal distribution of dominant phytoplankton in the Southern Caspian Sea (Mazandaran coast) and its relationship with environmental factors, *Journal of Marine Science and Technology*, 16(1), 87-101.
- M. Yaghobi, F. Paykan Heyrati*, S. Dorafshan and **N. Mahmoudi** (2014). Growth and hematology changes in striped catfish, *Pangasianodon hypophthalmus* as an ornamental species fed with dietary nucleotides. *Iranian journal of veterinary Research*, 15(3): 262-265.
- **Nematollah Mahmoudi**, Mohammadreza Ahmadi, Manoocher Babanezhad, Jafar Seyfabadi, Aboulghasem Roohi (2013). Spatial characteristics assessment of water quality and identify its controlling factors along Mazandaran coasts during summer (multivariate approach). *Journal of Fisheries Science and Technology*, 2(2): 47-61.
 - Naimeh Salimi Khorshidi; Saeed Keyvanshokoo; Amir Parviz Salati; Mohammad Zakeri; **NematAllah Mahmoudi**; Ahmad Tahmasebi Kohyani (2013). Effects of dietary nucleotides on fatty acid profile in rainbow trout (*Oncorhynchus mykiss*) fingerlings. *Journal of Veterinary research*, 68(2), 191-196.
 - B. Falahatkar , H. Abdi, **N. Mahmoudi** (2012).The role of dietary nucleotide on energy sources and growth function of common carp, *Cyprinus carpio*. *Iranian Scientific Fisheries Journal*, 21(1): 133-146.
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- N. Salami Khorshidi; S. Keyvanshokoo; A. P. Salati; M. Zakeri; **N. Mahmoudi**; A. Tahmasebi-Kohyani (2013). Effects of Dietary Nucleotides on Amino Acid Profile of Rainbow Trout (*Oncorhynchus mykiss*) Muscle. *Journal of Fisheries*, 65(4): 399-408.
 - Naemeh Salimi Khorshidi, Saeed Keyvanshokoo, Amir Parviz Salati, Mohammad Zakeri, **Nematollah Mahmoudi**, Ahmad Tahmasebi-Kohyani (2012) Effects of Dietary Nucleotide Levels on Body Composition of Rainbow Trout (*Oncorhynchus Mykiss*) Fingerlings. *Journal of Oceanography*, 3(9): 41-46.
 - Sadeq Oulad; Saber Khodabandeh; Abdolhamid Abediyan; **Nemat Mahmoudi** (2012). Study of the effects of dietary nucleotides on the structure of pyloric caeca in Caspian salmon. *Iranian Scientific Fisheries Journal*, 20: 1-10.
 - Ahmad Tahmasebi-Kohyani, Saeed Keyvanshokoo, Amin Nematollahi, Amir-Parviz Salati, Ali Parseh, **Nemat Mahmoudi**, Hossein Pasha-Zanoosi (2011). Effects of Dietary Nucleotides on Survival and Activites of Serum Complements C3 and C4 of Rainbow Trout (*Oncorhynchus Mykiss*) Challenged with *Streptococcus Iniae*. *Journal of Oceanography*, 2(7): 39-45.

- Sadeq Oulad; Saber Khodabandeh; Abdolhamid Abediyan; **Nemat Mahmoudi** (2012). Investigation on *Salmo trutta caspius* intestinal variations on different levels of dietary nucleotide. Journal of Marine Science and Technology, 10(2): 37-49.
- **N. Mahmoudi**, H. Abdi, B. Falahatkar (2010). Effect of dietary nucleotide at different levels on some hematological and blood biochemical indices of common carp, *Cyprinus carpio*. Journal of Marine Science and Technology, 9(3): 4-12.
- B. Bahmani , A. Zariffard, M. Khodadadi, **N. Mahmoudi**, A. Ojeefard (2011) Effects of dietary nucleotides levels on whole body composition of orange spotted grouper (*Epinephelus coioides*). Iranian Scientific Fisheries Journal, 19(4): 2-10.
- Ahmad Tahmasebi-Kohyani, Saeed Keyvanshokoo, Amin Nematollahi, **Nemat Mahmoudi**, Hossein Pasha-Zanoosi (2010) Study of dietary nucleotides Performance on Growth and Intestinal Morphology Indices of Rainbow Trout. Journal of Marine Science and Technology, 9(2): 46-54.
- H. Abdi, **N. Mahmoudi**, B. Falahatkar (2009). Effects of Dietary Nucleotide on Growth indexes and Body Composition of common carp, *Cyprinus carpio* Fingerlings. Journal of Marine Science and Technology, 8(2): 22-30.
- Esmail Zariffard, Mahmoud Bahmani, Mojgan Khodadadi, **Nematollah Mahmoudi** (2009). Effects of Dietary Nucleotide on Growth Performance and Survival of *Epinephelus Coioides*. Journal of Marine Biology, 1(3): 102-114.
- **Nemat Mahmoudi**, Abdolmohammad Abedian Kenari, Mehdi Soltani (2008). Effect of Different Levels of Nucleotide Diet on Growth, Survival and Liver Enzymes of Caspian Sea Salmon. Iranian Scientific Fisheries Journal, 17(4): 123-132.
- Amin Oujifard, Abdolmohammad Abedian, Mahmoud Nafisi Bahabadi, Babak Qadania, **Nematollah Mahmoudi** (2008). The effect of dietary nucleotide on growth, survival and some hemolymph parameters of *Litopenaeus vannamei*. Iranian Scientific Fisheries Journal, 7(1): 21-30.