

## **PERSONAL DATA**

Name and Surname: Atefeh Chamani  
Date of birth: September 20, 1978  
Sex: Female  
Nationality: Iranian  
Address: 8154748511, Isfahan  
Phone: +98 913 (128) 75 98  
E-mail: [atefehchamani@yahoo.com](mailto:atefehchamani@yahoo.com), [a.chamani@khuisf.ac.ir](mailto:a.chamani@khuisf.ac.ir)  
ORCID ID: 0000-0002-9463-8579  
ResearcherID: AAN-3954-2021  
Scopus Author ID: 36639376400  
Scholar link: <https://scholar.google.com/citations?user=NyLLUpQAAAAJ&hl=en>

## **1. Education**

B.A. Degree in Environmental science (2001)  
*Isfahan University of Technology Faculty of Natural Resources, Iran*

MS.C Degree in (2003)  
*University of Tehran, Faculty of Environment and Fisheries, Iran*

**Dissertation title:** Environmental impact assessment of Hamedan province (w. Iran) by degradation model

PhD in Environment (2010)  
*Islamic Azad University, Science and Research Branch, Tehran, Iran*

**Thesis title:** Genetic and morphological relations between two Iranian wheatears (*Oenanthe chrysopygia*) and (*O. xanthopyrna*) in the contact area in western Iran

## **2. Awards and Fellowships**

1. Fellowship. 2006, *Muséum National d'Histoire Naturelle* (MNHN), Paris, France
2. 3rd Rank in the National Master's entrance exam
3. 3rd Rank in the National Azad University Ph.D's entrance exam
4. Distinguished Teacher Award from Islamic Azad University in 2017.

### **3. Work Experience:**

1. Assistant Professor in Islamic Azad University, Isfahan (Khorasgan) Branch, Isfahan, Iran ( 2011 until May 2020).
2. Associate Professor in Islamic Azad University, Isfahan (Khorasgan) Branch, Isfahan, Iran ( May 2020 until now).
2. Head of Environmental Science Department, Islamic Azad University, Isfahan (Khorasgan) Branch (2016 until Now).
3. Supervisor and Advisor of more than 40 Master and Ph.D thesis in Islamic Azad University
4. Interview committee of national and international Ph.D entrance exam from 2017 until now.
5. Curriculum Planning Committee in Islamic azad University
6. Examiner and director of the Comprehensive Exam committee for PhD students in Environmental science from 2017 until now.

### **4. Courses Taught (2004 -2021)**

Biomonitoring

Ecology

Ecosystem Management

Wetland Management

Wetland Restoration

Conservation Biology

### **5. Books:**

1. **Atefeh Chamani**. 2020. Standing up to Climate Change - Creating Prospects for a Future in Rural Iran”**Chapter 4:** Evaluation of Lead and Cadmium Contamination in the Zayandeh Rud River. Springer. ISBN: 978-3-030-50684-1
2. Mohsen Norouzi, **Atefeh Chamani**, Niloofar Pirestani, Rana Asadi. 2018. Water treatment Practical Guide. International Standard Book Number (ISBN): 978-90-7708-27-9

3. Nourouzi, Chuah, **Chamani**, Soleimani and Roghani. 2018. Glyphosate Chemistry, Uses and safety concerns. **Chapter 5: Water contamination by herbicide Glyphosate: an overview of treatment options.** Nova Science Publishers, ISBN: 978-1-53614-002-6. Editor: Ron Quinn

## **6. Publication in Peer Reviewed International Journals**

1. Nourouzi Z, **Chamani A**. Characterization of ambient carbon monoxide and PM 2.5 effects on fetus development, liver enzymes and TSH in Isfahan City, central Iran. Environmental Pollution (JCR, Q1, IF= **8.07**). 2021;291, 118238. <https://doi.org/10.1016/j.envpol.2021.118238>

2. Shahradnia H, **Chamani A**, Mehrdad Zamanpoore. Linking river sediment arsenic to catchment spatial attributes in agricultural landscapes. Environmental Science and Pollution Research (JCR, Q2, IF=**4.2**). 2021; <https://doi.org/10.1007/s11356-021-15872-5>

3. Hosseinpour A, **Chamani A**, Mirzaei R, Mohebbi-Nozar L. Occurrence, abundance and characteristics of microplastics in some commercial fish of northern coasts of the Persian Gulf. Marine Pollution Bulletin (JCR,Q1,IF=**5.5**). 2021; 171, 112693. <https://doi.org/10.1016/j.marpolbul.2021.112693>

4. Shahradnia H, **Chamani A**, Zamanpoore M, Jalalizand A. Heavy metal pollution in surface sediments of Ghareh-Aghaj River, one of the longest perennial rivers in Iran. Environmental Earth Sciences (JCR, Q3, IF=**2.78**), 2021; 80(3), 1-12. <https://doi.org/10.1007/s12665-021-09384-1>

5. Khosravi M, **Chamani A**, Mirzae R. Species Distribution Models Unveil Niche Partitioning in Bovid Guilds of Southwestern Asia. Annales Zoologici Fennici(JCR, Q3, IF=**1.3**). 2021; 58 (1-3):75-86. <https://doi.org/10.5735/086.058.0108>

6. Tashakkor SH, **Chamani A**. Temporal variability of noise pollution attenuation by vegetation in urban parks. Environmental Science and Pollution Research (JCR, Q2, IF=**4.2**). 2021; 28(18), 23143-23151. <https://doi.org/10.1007/s11356-021-12355-5>

7. Asadian N, **Chamani A**, Abolhasani MH. The trophic status of the Zayandeh River dam lake in the spring and summer, 2017. International Journal of Aquatic Biology, 2020; 8(3), 209-215.

8. Karimian S, **Chamani A**, Shams M. Evaluation of heavy metal pollution in the Zayandeh Rud River as the only permanent river in the central plateau of Iran. Environmental Monitoring and Assessment (JCR, Q3, IF=**2.5**). 2020; 192, 1-13. <https://doi.org/10.1007/s10661-020-8183-8>

9. Tashakkor SH, **Chamani A**, Ahmadi M, Moshtaghi M. Acoustics in urban parks: Does the structure of narrow urban parks matter in designing a calmer urban landscape. *Frontiers of Earth Science (JCR,Q3, IF=2)*. 2020; 14(3), 512-521. <https://doi.org/10.1007/s11707-020-0816-2>
10. Rashidi M, **Chamani A**, Moshtaghi M. The influence of transport infrastructure development on bird diversity and abundance. *Ekológia (Bratislava)*. 2019, 38( 2), 178-198. <https://sciendo.com/article/10.2478/eko-2019-0014>
11. Aghabozorgi Nafchi M, **Chamani A**. Physiochemical factors and heavy metal pollution, affecting the population abundance of *Coenobita scaevola*. *Marine Pollution Bulletin (JCR, Q1, IF=5.5)*. 2019; 149, 110494. DOI: [10.1016/j.marpolbul.2019.110494](https://doi.org/10.1016/j.marpolbul.2019.110494)
12. Nourouzi M, **Chamani A**, Shirani M, Malekpouri P, Chuah L. Effect of Cd and Pb pollutions on physiological growth: Wavelet Neural Network (WNN) as a new approach on age determination of *Coenobita scaevola*. *Bulletin of Environmental Contamination and Toxicology. (JCR, Q3, IF=2.1)*. 2018;101( 3), 320-325. DOI: [10.1007/s00128-018-2401-x](https://doi.org/10.1007/s00128-018-2401-x)
13. Khalili P, **Chamani A**, Pourmoghaddas H. 2017. Effect of heavy metal pollution (Cr, Cd, Pb) of soils on cultivated plant in road site. *World Journal of Environmental Biosciences*.
14. Baghi M, **Chamani A**, Khajeh F. 2016. Investigation of Gastrointestinal Parasites of Gazella (*Gazella subgutturosa*) in Ghamishloo National Park and Wildlife Refuge. *Journal of Earth, Environment and Earth Science*.
15. Kaboli A, Aliabadian M, **Chamani A**, Pasquet E, Prodon R. Morphological relationships of the Wheatears (Genus Oenanthe). *Russian Journal of Ecology*. 2013; 44(3), 251-259. (JCR, Q4, IF=0.68). <https://doi.org/10.1134/S1067413613030168>
16. Aliabadian M, Kaboli M, Förschler MI, Nijman V, **Chamani A**, Tillier A, Prodon R, Pasquet E, Ericson PG, Zuccon D. Convergent evolution of morphological and ecological traits in the open-habitat chat complex (Aves, Muscicapidae: Saxicolinae). *Molecular Phylogenetics and Evolution*. 2012; 65(1), 35-45. (JCR, Q1, IF=4.2). <https://doi.org/10.1016/j.ympev.2012.05.011>
17. Peykanpour P, Monavvari M, Alesheikh A, **Chamani A**, Ghanbari F. 2012. Prediction of spatial distribution for some land uses allometric characteristics in land use planning models with Geostatistic and GIS(Case study:Boein & Miandasht, Isfahan province, Iran). *African Journal of Biotechnology*. DOI: [10.5897/AJB11.995](https://doi.org/10.5897/AJB11.995)

18. **Chamani A**, Kaboli M, Karami M, Aliabadian M, Pasquet E, Prodon R. Morphological consequences of hybridization in two interbreeding taxa: Kurdish Wheatear (*Oenanthe xanthopyrma*) and Persian Wheatear (*O. chrysopygia*) in western Iran, African Journal of Biotechnology. 2010; 9(46), 7817-7824. [DOI: 10.5897/AJB09.1932](https://doi.org/10.5897/AJB09.1932)

### **Publication in Peer Reviewed National Journals**

19. Kakoei Dinaki F, Cheraghi M, Lorestani B, SobhanArdakani S, **Chamani A**. Investigating the Potential of Native Plants in Phytoremediation of Heavy Metals and Nutrients in the Latian and Lar Dam Reservoirs. Iran-Water Resources Research. 2021. 17(2): 130-141. <https://dorl.net/dor/20.1001.1.17352347.1400.17.2.9.2>

20. Yousefi A, **Chamani A**, Ahmadi Nadoushan, M. Evaluation of water quality of Khur musa (Khuzestan) based on macrobenthos indices. Journal of Marine Biology. 2021. 13(2): <http://jmb.iauhvaz.ac.ir/article-1-911-en.html>

21. Khosravi M, **Chamani A**, Mirzae R. Evaluation the impact of climate change on the effectiveness of the conservation network of IRAN with respect to the BOVID species. 2021. [https://jne.ut.ac.ir/article\\_83762.html](https://jne.ut.ac.ir/article_83762.html)

22. Tashakor SH, **Chamani A**. Investigating and comparing the species diversity indices of birds in Isfahan Urban Parks (Case study: Isaargaran to Najwan Park). Journal of Animal Environment. 2021; 13 (2): 113-120. [https://www.aejournal.ir/article\\_135849.html?lang=en](https://www.aejournal.ir/article_135849.html?lang=en)

23. Dorri M, **Chamani A**, Nourouzi M. Nitrate removal from water and wastewater by *Myriophyllum spicatum* and *Ruppia maritima*. Journal of Natural Environment. 2021;73(4):677-86. [doi: 10.22059/jne.2021.303949.2004](https://doi.org/10.22059/jne.2021.303949.2004)

24. Shahradian H, **Chamani A**, Zamanpoore M. Evaluation of water quality of ghareh-aghaj river (Fars Province, IRAN). Journal of Applied Biology. 2020; 33(3):99-110. [doi:10.22051/jab.2020.30466.1353](https://doi.org/10.22051/jab.2020.30466.1353)

25. Cheraghali K, **Chamani A**. The concentration of Lead, Cadmium, Zinc and Copper in sediments of Ganduman wetland with geochemical indices. Wetland Ecobiology. 2020; 12 (4) :57-70. URL: <http://jweb.iauhvaz.ac.ir/article-1-921-en.html>

26. Aghabozorgi M, **Chamani A**. The concentration of lead and cadmium in the hermit crab (*Coenobita scaevola*) and sediments of kish island. Journal of Environmental Science and Technology. 2020;22(5):15-25. [https://jest.srbiau.ac.ir/article\\_16342.html?lang=en](https://jest.srbiau.ac.ir/article_16342.html?lang=en)
27. Alivand Darani Z, **Chamani A**. Water quality assessment of zayandeh-rood river based on diversity and abundance of macrobenthos in 2017. Experimental animal Biology. 2020;8(4):97-107. [http://eab.journals.pnu.ac.ir/article\\_6702.html?lang=en](http://eab.journals.pnu.ac.ir/article_6702.html?lang=en)
28. Niknam E, **Chamani A**, Nourouzi M. The water quality of zayandeh-rood river with macrobehthos biodiversity indexes in fall 2017 to spring 2018. Applied Biology. 2020; 32(4):164-75. <https://dx.doi.org/10.22051/jab.2019.22108.1259>
29. Sanatinia B, Abolhasani MH, **Chamani A**. Investigating the effective factors in CO2 production in industrial units of Isfahan Province using boundary analysis. Environmental Sciences, 2020; 18(1), 45-56. [doi: 10.29252/envs.18.1.45](https://doi.org/10.29252/envs.18.1.45)
30. Koohrani P, **Chamani A**. The concentration of Lead and Nickel in the sediment and root and leaves of *Rhizophora mucronata* in Khore Azini international wetland, Iran. Journal of Marine Biology. 2019; 11(2): 21-32. <https://www.sid.ir/en/journal/ViewPaper.aspx?id=789120>
31. Kazemi M, **Chamani A**, Agh N. The sssessment of arsenic contamination in urmia lake sediments and its effect on human health. Journal of Environmental Studies. 2019; 45(3):485-97. . [doi:10.22059/jes.2019.284975.1007892](https://doi.org/10.22059/jes.2019.284975.1007892)
32. Rashidi M, **Chamani A**, Moshtaghie M. Investigating the effect of roads on diversity and abundance of different species of birds (Case study: Zayandeh rood Park, Isfahan). Journal of Animal Environment. 2018; 10(4):179-86. [doi:20.1001.1.27171388.1397.10.4.20.9](https://doi.org/10.22051/1.27171388.1397.10.4.20.9)
33. Takesh M, **Chamani A**, Mortazavi S. The lead concentration in the water and common carp (*Cyprinus carpio*) in Choghakhor international wetland. Journal of Animal Environment. 2018; 10(4):317-24. [doi:20.1001.1.27171388.1397.10.4.38.7](https://doi.org/10.22051/1.27171388.1397.10.4.38.7)
34. Mortazavi S, **Chamani A**, Takesh M, Pakzad M. Risk assessment of non-carcinogenic effects of lead, cadmium, and zinc consumption of *Cyprinus carpio* from Chogakhor wetland. Food Hygiene. 2018; 8(1 (29)):49-63.

35. Kazemi M, **Chamani A**, Mohammadi H. Hawksbill turtle (*Eretmochelys imbricata*) contamination to heavy metal (Lead, Cadmium) in Kish Island. Journal of Animal Environment. 2018;10(3):133-140. [https://www.aejournal.ir/article\\_80981.html?lang=en](https://www.aejournal.ir/article_80981.html?lang=en)
36. Makareh M, **Chamani A**, Moshtaghi M. Evaluation of lead and cadmium pollutions in morphometric characteristics of hermit crab (*Coenobita scaevola*). Journal of Environmental Studies. 2018; 43(4):713-23. doi: [10.22059/jes.2018.238749.1007480](https://doi.org/10.22059/jes.2018.238749.1007480)
37. Dadkhah P, **Chamani A**, Mortazavi S. The risk assessment of Lead, Cadmium and Zinc in the two edible fish species (*Carcharhinus limbatus*) and (*Epinephelus coioides*) of Persian Gulf in 2016. Journal of Research in Environmental Health. 2018; 4(2 ), pp.85-93. doi: [10.22038/jreh.2018.32548.1224](https://doi.org/10.22038/jreh.2018.32548.1224)
38. Mortazavi S, Rahmani J, **Chamani A**. Biomonitoring of heavy metals using *Phragmites australis* in Hashilan wetland, Kermanshah. Journal of Environmental Science and Technology. 2017; 19(4):67-79. [https://jest.srbiau.ac.ir/article\\_11625.html?lang=en](https://jest.srbiau.ac.ir/article_11625.html?lang=en)
39. Pakzad M, **Chamani A**, Besalatpour AA. Physiochemical and morphological effects on cadmium accumulation in common carp (*Cyprinus carpio*). New Technologies in Aquaculture Development. 2017; 11(1):71-82. <https://www.sid.ir/en/Journal/ViewPaper.aspx?ID=670005>
40. **Chamani A**, Makhdom M, Jaffari M, Khorasani N, Cheraghi, M. Environmental Impact Assessment Of Hamedan Province (W. Iran) By Degradation Model. Journal Of Environmental Studies, 2005; 31(37), 35-44. [https://jes.ut.ac.ir/article\\_10101.html?lang=en](https://jes.ut.ac.ir/article_10101.html?lang=en)
41. Forozannia M, **Chamani A**. Identifying suitable mangrove habitats at the local scale for mangrove afforestation in southern Iran. Journal of Plant Ecosystem Conservation. **Accepted**

## **7. International Conferences**

1. **Chamani A**. 2008. Introduction of some range plants as suitable hyper accumulators for Lead, Zinc, Cadmium and Selenium. International Congress of Environmental Research, ICER, India.
2. **Chamani A**, Mohammad K, Karami M, Aliabadian M, Pasquet E, Prodon R. 2011. Phylogenetic consequences of hybridization in two interbreeding taxa: Kurdish Wheatear and Persian in western Iran. 3rd International Eurasian Ornithology Congress, Greece.

3. **Chamani A**, Aliabadian M, Kaboli M, Karami M. 2011. The effects of contact zone on phylogenetic characters in Persian Wheatear. 2nd international Conference on Environmental Science and Technology, Singapore.
4. Peykanpour P, **Chamani A**. Mohammadshafiee, M., Peykanpour, N. 2011. Air pollution prediction with Climatological Dispersion Model. 2nd international Conference on Environmental Science and Technology. Singapore.
5. Farahnasab A, **Chamani A**. 2014. Evaluation of the biodiversity and factors threatening in ZayandehRoud. 1<sup>nd</sup> International Conference on New Ideas in Agriculture, IRAN. **Best Poster Prize**.
6. Shirani A, **Chamani A**. 2014. The evaluation of Knowledge and interest of people towards protected areas and wildlife species in Isfahan province. 1<sup>nd</sup> International Conference on New Ideas in Agriculture, IRAN.
7. **Chamani A**, Khaliliazar A, Shahamat R, Niknam E. 2015. The study of tourism capacities in Ghoorran castle (Isfahan Province). International Conference on sustainable development, strategies and challenges. IRAN.
8. **Chamani A**, Navvabi S. 2015. The study of overwintering waterfowl diversity in Hanna protected area in Isfahan Province. International Conference on sustainable development, strategies and challenges. IRAN.

#### **8. Memberships:**

1. Senior member in Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES)
2. Academic member in International Society of Zoological Sciences (ISZS).
3. Technical committee of 2013 2<sup>nd</sup> International Conference on Civil Engineering, Hong Kong
4. Technical committee of 2013 2<sup>nd</sup> International Conference on Biodiversity and Climate Change, UAE
5. Technical committee of 2012 International Conference on Environment, chemistry and Biology, Hong kong



6. Technical committee of 2014 2<sup>nd</sup> International Conference on Pharmaceutical and Biological Sciences, USA.

7. Research committee of Waste and Wastewater Research Center, Islamic Azad University from 2017 until now

8. Technical committee of national and international Ph.D entrance exam from 2017 until now.

**9. International and National Research Projects:**

1. International project of “Integrated water resource management of Zayandeh Rud”, Inter 3 GmbH..

2. Atlas of Choghakhor International Wetland and Gandman Wetland (Project Manager - Executor).

3. Developing a comprehensive management plan for the Gavkhoni International Wetland catchment (teammate).

4. Environmental Impact Assessment of drying in Gavkhoni International Wetland (teammate).

5. Communication, Education, Participation and Awareness (CEPA) plan for Choghakhor International wetland (Project Manager - Executor).

6. The effects of landfill leachate on ground-water quality of Kashan, Isfahan Province (Project Manager - Executor).

**10. Reviewer in Related Journals:**

1. Journal of Hazardous Material, ISSN: 0304-3894, Impact Factor: 10.58

2. Land Degradation and Development, ISSN:1099-145X, Impact Factor: 4.97

3. Journal of Environmental Science and Technology, ISSN:2008-3513

4. Iran-Water Resources Research, ISSN: 1735-2347

5. Iranian Journal of Applied Ecology, ISSN: 2476-3128

6. Journal of Water and Soil Science, ISSN: 2476-3594

## **11. Software and technical skills**

- Environmental risk assessments
- MS Office (Advanced)
- SPSS (Advanced)
- Geochemical indices (Advanced)
- Benthic Indices (Advanced)
- Wetland restoration

## **12. Interesse**

- Wetland, river and water resources
- Climate change
- Environmental Pollution
- Ecology
- Sustainability and ecological development
- Conservation biology
- Biomonitoring