

Amin Ghane

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Personal Website

*"Nothing in Biology Makes Sense Except in the Light of Evolution" -
Theodosius Dobzhansky*

Personal Information

Name: Amin Ghane
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Education

2015–2019 **B.Sc. in Marine Biology**, *Faculty of Life Sciences and Biotechnology, Shahid Beheshti University, Tehran, Iran.*
GPA: **18.28/20 (3.31/4)**
2010–2014 **Diploma in Experimental Sciences**, *Emam Sadegh High School, Esfahan, Iran.*
GPA: **19.61/20 (4/4)**

Research Interests

- o Marine Ecology
- o Climate Change
- o Ecology of Invasive Species
- o Ocean Acidification (OA)
- o Conservation Biology
- o Molecular Ecology

Selected Undergraduate Courses

- o General Ecology (20/20)
- o Evolution (20/20)
- o Ecology of Coral Reefs (19/20)
- o Marine Ecology (20/20)
- o Marine Conservation Biology (20/20)
- o Molecular Biology (18/20)

Personal Skills

Language Skills

Farsi: Native

English: (IELTS: 7)

Computer Skills

Programming Language: R

Software: SPSS, Primer-e, Canoco, X'pert HighScore Plus, Microsoft Office, Image J, Adobe Photoshop, CorelDRAW

Technical Skills

Field Ecology Skills: Marine sediment grain-size analysis, Marine plankton & benthos sampling and processing

Molecular Laboratory Techniques: DNA extraction, PCR & Real-time PCR, Gel electrophoresis

Research Experiences

Shahid Beheshti University

Research Assistant

2017-2018 o Investigated the ocean acidification (OA) impacts on gastropods in Bandar Abbas Beach (field and lab experiments).
Supervisor: Dr. Ali Nasrolahi

2016-2017 o Assessed The plant species of Tochal mountain region with an emphasis on landscape designing and ecological management.
Supervisor: Dr. Ahmad Reza Mehrabian

Feb 2018 o Studied and identified the plankton species in Anzali Lagoon.
Supervisor: Dr. Mohammad Reza Shokri

Oct 2018 o Identified and enumerated the marine vertebrates in Bushehr coastal seawater.
Supervisor: Dr. Mohammad Reza Shokri

Parsian BioTech Lab
Laboratory Assistant

2016-2017 o Assisted in lab maintenance and organization, Assisted with laboratory experiments.

Nov 2016 o Surveyed of GMOs among 1000 people in Tehran and analysis the data received.

Publication

In preparation A. Ghane, A. Nasrolahi, J.C. Hernández. Acidification impacts on a marine gastropod' shell near CO₂ vent in the Canary Islands.

Teaching Experiences

Shahid Beheshti University

Fall 2017 **Teaching Assistant**

Course Title: **Cell Biology Laboratory**

Supervisor: Dr. Keivandokht Samiee

o Prepared course material including laboratory experiments, lectures, exams, homework, and practice problems
o Held tutorials for up to 30 students.
o Graded assignments and exams.

Fall 2018 **Teaching Assistant**

Course Title: **Vertebrates Laboratory**

Supervisor: Dr. Keivandokht Samiee

o Held tutorials for up to 20 students including creating supporting materials for lectures.
o Led weekly problem-solving and discussion sections for groups of 10-20 students
o Graded assignments and exams.

Work Experiences

2017-2018 **Member of Executive Team, AbreTalaee co, Tehran, Iran.**

o Collaborated on holding seminars and workshops.

2015-2017 **Member of Executive Team, Parsian BioTech co, Tehran, Iran.**

o Collaborated on holding seminars and workshops.
o Contributed as a content creator.

2016-2017 **Iranian Percussion Instructor, Eftetah Music Institute, Tehran, Iran.**

o Trained children between the ages of 5-15 to play percussion instruments.

Internship

Summer 2017 **Principle of Molecular Laboratory Techniques, Parsian BioTech Lab, Tehran, Iran.**

Supervisor: M.Sc. Hessam Shabani

o Applied basic molecular techniques under supervision of laboratory director.

Schools, Workshops & Conferences

Winter School

Feb 2019 **Evolution: Definition and Challenges, Shahid Beheshti University, Tehran, Iran.**

o familiarized with advanced controversial topics in evolution.

Workshops Attended

Sep 2016 **Good Laboratory Practice (GLP)**, *Parsian BioTech Lab*, Tehran, Iran.
o Learned and conducted GLP principles.

Dec 2015 **Genetic Engineering Techniques**, *National Institute Of Genetic Engineering and Biotechnology*, Tehran, Iran.
o learned principle concepts of genetic engineering.
o Implemented basic techniques of biotechnology on bacteria.

Scientific Conferences Attended

Jul 2017 Second International Congress on Stem Cell & Regenerative Medicine, Tehran, Iran.

Dec 2016 First International Conference on Genetically Modified Organisms (GMOs) and Public Awareness, Tehran, Iran.

Honors & Awards

Sep 2019 **Ranked 3rd GPA** among all undergraduate biology students, Shahid Beheshti University, Tehran, Iran.

Aug 2019 Eligible for **Direct Admission** to the M.Sc. program at the department of marine biology, exempted from the Iranian University Entrance Exam, Shahid Beheshti University, Tehran, Iran.

Sep 2015 Ranked within the **Top 2%** among more than 500,000 participants in the Iranian University Entrance Exam for the bachelor's degree.

Memberships and Activities

2018-present Member of **Hanava Percussion Orchestra**, Tehran, Iran. (Conductor: **Rashid Kakavand**)

2017-present Member of Editorial Board of **Young Biotechnologist Magazine**, Tehran, Iran.

2015–2018 Member of Editorial Board of **Synapse Magazine**, *Shahid Beheshti University*, Tehran, Iran.

2015–2018 Member of **Scientific Society of Biology Students**, *Shahid Beheshti University*, Tehran, Iran.

Interest & Hobbies

Iranian Traditional Music (Over 10 years of experience as a percussionist)

Sports (Swimming and Mountain Climbing)

Photography

References

- o **Dr. Ali Nasrolahi** - Assistant Professor
Department of Marine Biology, Faculty of Life Sciences and Biotechnology, Shahid Beheshti University, Tehran, Iran.
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- o **Dr. Mohammad Reza Shokri** - Assistant Professor
Department of Marine Biology, Faculty of Life Sciences and Biotechnology, Shahid Beheshti University, Tehran, Iran.
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- o **Dr. Ahmad Reza Mehrabian** - Assistant Professor
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