

# 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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Website <https://amngn.wixsite.com/marinebiology>

## 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. Hern  andez. 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. Hessem 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.

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## Honors & Awards

- Sep 2019 **Ranked 3<sup>rd</sup> 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.

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## 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.

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## Interest & Hobbies

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

**Sports** (Swimming and Mountain Climbing)

**Photography**

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## 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

*Department of Plant Biology, Faculty of Life Sciences and Biotechnology, Shahid Beheshti University, Tehran, Iran.*

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