CURRICULUM VITAE

Mahdi Moradi (PhD in Environmental Geochemistry)

Coral Reef Researcher and Filmmaker

Personal Information

First name: Mahdi

Last name: Moradi

Date of Birth: 21/4/1983

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YouTube: https://www.youtube.com/channel/UCq03zrI0f1meVgW9It-6XmA/videos

Education

2015- 2019, **PhD in Environmental Geochemistry** in the Department of Geochemistry, University of Federal Fluminense, Brazil, granted a scholarship from the CNPq.

Thesis title: "*Effect of a Pathogen and a Consortium of Beneficial Microorganisms for Coral (BMC's) under different temperature conditions on the skeleton structure"*

2007-2010- **M.Sc. in Marine Biology**, University of Hormozgan, Iran,

Thesis title: "*Coral reefs biodiversity and distribution in shallow coastal waters of Qeshm Island, the northern Persian Gulf, Iran*"

Thesis grade: 20 out of 20.

2005-2007- **B.Sc. in Environmental Health Engineering**, Kerman University of Medical Sciences, Iran.

2002-2005-**Associate degree in Environmental Health,** Urmia University of Medical Sciences, Iran.

Employment History

2016-currently, **Free filmmaker**

2013- *Marine Researcher* in **Persian Gulf Marine Medicine Biotechnology Research Center**, Busheher University of Medical Sciences, Busheher, Iran.

2011- *Assistant Researcher* in **Artemia and Aquatic Animals Research Institute,** Urmia University, Urmia, Iran.

2009 -*Consultant in Environment Sector* in **Shahre Sabz Anamis Company,** Bandar Abbas, Iran.

2008-*Assistant Researcher* in **Persian Gulf Biotechnology Research Center (PGBRC)**, Qeshm Island, Iran.

Technical and Specialized Skills

- Web designer
- Highly imaginative filmmaker with a solid 3 years of experience making a variety of films for a variety of companies
- Knowledge of video recording, film production and video editing software.
- PADI Advanced, SIMAS One Star Diver; 10 years of SCUBA diving experience.
- Knowledge in foraminifera and marine benthic community studies.
- Knowledge in coral reef mesocosm experiments designing.
- Knowledge in geochemistry studies on reefs.
- Knowledge in water and sediment chemical examinations in marine ecosystems.
- Knowledge of hard coral taxonomy.
- Expert in reef check method and ecological studies on coral reefs.
- Experience on chemical and microbial pollutions of water and marine ecosystems.
- Experience in sea grass studies.
- User of Microsoft Office and Statistical Packages SPSS.
- User of Coral Point Count with Excel extensions (CPCe) soft ware.
- Knowledge of some lab techniques such as; HPLC, PCR and FPLC.

Publications

Journal papers

1. NabipouraI, **Moradi M** and Mohebb H. (2015). *A First record on population of the alien venomous jellyfish, Cassiopea Andromeda (Forsskål, 1775) (Cnidaria: Scyphozoa: Rhizostomea) in the Nayband Lagoon from Bushehr-Iran (Persian Gulf)*. Journal of Chemical and Pharmaceutical Research, 7(3):1710-1713.

2. **Moradi M**., MalekzadehViayeh R. and Eshaghi Rad J. (2014). *Biodiversity of scleractinian corals in the reefs of Qeshm and Larak Islands of the Persian Gulf, in association with*

environmental variables, Journal of Marine Biological Association of the United Kingdom, 94(5), 907–916.

3. Feary A.D., Burt J., Bauman A.G., Al-Hazeem Sh.A., Al-Moati M.A., Al-Khalifa Kh., Anderson D., Amos C., Baker A., Bartholomew A., Bento R, Cavalcante G., Chenm A., Coles S., Dab K., Fowler A., George D., Grandcourt E., Hill R., John D., Jones D., Keshavmurthy Sh., Mahmoud H., **Moradi M.**, Mostafavi P.G., Naser H., Pichon M., Purkis S., Riegl B., Samimi K., Sheppard Ch., Vajed S.J., Voolstra Ch. And Wiedenmann J. (2012). *Critical research needs for identifying future changes in Gulf coral reef ecosystem,* Marine Pollution Bulletin72(2),406-416.

4. **Moradi M.,** Kamrani E., Shokri M.R., Ranjbar M.Sh. and Askari M.(2010). *First record of two hard coral species (Faviidae and Siderastreidae) from Qeshm Island (Persian Gulf, Iran).*Nusantara Bioscience2(1),34-37.

5. Shojae F., Kamrani E., Shokri M.R., Ranjbar M.Sh., **Moradi M**. and Askari M. (2010). *New records of three hard coral species from north east of Larak Island (Persian Gulf, Iran).* Marine Biodiversity Records, (3), 65-71.

6. Janfaza S., Purmajidiyan M.R., **Moradi M.** (2013). *Study of the ecological status of Iranian yew herbal towards its revival in Iran and the world in recent years,* Annals of Biological Research, 5(2), 68-71.

Paper under review

Mahdi Moradi, Jonatã Barbosa Teixeira, Carla Semiramis Silveira & Catia Fernandes Barbosa. (2019). *Time Is Running Out For Our Coral Reefs: they are not ready to accept, artificial human made products to help them yet,* Nature Communications.

ConferenceAbstracts

1. **Mahdi M**, Nabipour I, Jafaza E, (2015). Coral Reef Distraction in Busher's Coastal Beaches with Incredible speed in Persian Gulf, Iran, Coral Reefs of the Gulf Conference, 15th-17th February 2015 at New York University Abu Dhabi.

2. Janfaza S., **Moradi M.,** Janfaza E. (2014). *Restoring mangrove ecosystem in contrast with human threats under the globalization.* The Second International Conference on Persian Gulf: Opportunities and Challenges 5th-6th March 2014.

3. **Moradi M.,** Askari M., Ranjbar M. Sh., Zangiabadi S. and Bagherinia A. (2012). *The Study of relationship between Red Tide and increase in polychaetes worms growth in Naz Island reefs, Persian Gulf*. The 17th National & International Iranian Biology Conference, University of Kerman.

4. Askari M., **Moradi M.**andRanjbarM.Sh. (2012). *First report on observation of five species of Nudibranchias in the reefs of Qeshm and Larak Islands, Persian Gulf*. The 17th National & International Iranian Biology Conference, University of Kerman.

5. Askari M., **Moradi M.** and Ranjbar M.Sh. (2012). *The Study of planktonic bloom (Red Tide) effects on hard coral health in Naz Island, Persian Gulf*. The 17th National & International Iranian Biology Conference, University of Kerman.

6. **Moradi M.,** Ranjbar M.Sh., Askari M. and Bagherinia A. (2012). *The study of diversity Hard Coral in Qeshm Island, Persian Gulf, Iran*, Coral Reefs of the Gulf Conference, New York University-Abu Dhabi Institute.

7. **Moradi M.,** Shokri M.R. and Ranjbar M. Sh. (2010). *The effects of industrial expansion on corals species diversity in Qeshm Island (Persian Gulf, Iran)*, Euro ISRS symposium: Reefs in a changing environment, Netherlands.

8. **Moradi M**., Kamrani E., Shokri M.R., Ranjbar M.Sh. and Askari M. (2010). *The study of species diversity and abundant of Hard Corals in Qeshm Island*. The 16th National and 4th International Conference of biology, Ferdowsi University of Mashhad (FUM), Iran, September 14-16.

9. **Moradi M**., Shojae F., Kamrani E., Shokri M.R., Ranjbar M.Sh. and Askari M. (2010). *The study of species diversity and abundant of Hard Corals in the West of Larak Island.* The 16th National and 4th International Conference of biology, Ferdowsi University of Mashhad (FUM), Iran, September 14-16.

10. **Moradi M**., Kamrani E., Shokri M.R., Ranjbar M.Sh. and Askari M. (2010). *Study of diversity and abundant Species of Hard Coral in South Qeshm Island*, 8th conference of Marine Sciences and Technology (CMST), Iran.

11. **Moradi M.**, Teimory A., Askari M., Esmaeili H.R. and Shojaei F. (2009). *Morphology of some external structure in two classes of Echinoderms from Costal of Qeshm Island.*, the 6th Scientific Conference on Fisheries sciences. Basrah – Iraq, 3-4 March.

12. Dabbagh R. and **Moradi M**. (2008). *Study of Structure Population juvenile Sea Cucumber (Bohadschia sp) in Bandare Lengeh Beaches*, The first National Conferences of Fishery Sciences & Aquatic Organism, Lahijan, Iran.

The Species Recorded on Australia Museum Website

a. **Moradi M.,** Records of five species of Nudibranchia from the Larak & Qeshm Islands, North of Persian Gulf. Australia Museum Website.

- http://www.seaslugforum.net/message/23599
- http://www.seaslugforum.net/message/23602
- http://www.seaslugforum.net/message/23601
- http://www.seaslugforum.net/message/23600
- http://www.seaslugforum.net/message/23597
- http://www.seaslugforum.net/message/23598
- http://www.seaslugforum.net/message/23596

Research Projects

1. *Zounthoussp* and *Cassiopeasp* species identification by PCR techniques, Persian Gulf Marine Medicine Biotechnology Research Center, Bushehr University of Medical Sciences, Bushehr, Iran (2014).
2. The monitoring of Sea Urchin population in the coastal bed of Nayband Marine-Coastal National Park, Persian GulfMarine Medicine Biotechnology Research Center, Bushehr University of Medical Sciences, Bushehr, Iran(2013).
3. The Study of human effects on coral reefs in Khark and Kharku Islands and Busheher's Beaches of Persian Gulf, Persian Gulf Marine Medicine Biotechnology Research Center, Bushehr University of Medical Sciences, Bushehr, Iran (2013).
4. Study of abrupt climate change in the history of the Lake Urmia, NW Iran, (worked on the biological aspects of the project and provided a chapter on Biological Overview of the Lake Urmia), Iranian National Institute for Oceanography and Atmospheric Science and Rosenstiel School of Marine and Atmospheric Science, University of Miami, USA (2012).
5. Documentation and analysis of the ecological changes in Urmia Lake in a 40-year period, Artemia and Aquatic Animals Research Institute, Urmia University, Iran (2012).
6. Study of Sea Grass in Bandar Abbas beaches, Bandar Abbas Azad University and Iranian Department of Environment (2011).
7. Environmental Impacts Assessment of a Compost Factory in Bandar Abbas. Submitted to the

Department of Environment of Bandar Abbas, Iran, Project Number: 89/1/10/625 (2010).

8. Networking of SGP Projects in Qeshm, Project Number: IRA/SGP/OP4/RAF/08/11 (102) (2009).

http://sgp.undp.org/web/projects/12879/networking_of_sgp_projetcs_in_qeshm.html

Written book

Persian Gulf coral reefs and Tissue Engineering, **Mahdi Moradi,** Tooba Varaesteh and Iraj Nabpour**,** Persian Gulf Research Center, Bushehr University of Medical Sciences Press, Iran. ISBN: 978-600-5032-68-0, 250 pages.

Workshops and presentations

- **Moradi M,** Oral presentation entitled "*Coral reef Restoration and Protection in Persian Gulf"* Department of Environment, Tehran (September 2012) and Busheher University of Medical Sciences (February 2014), Iran.
- **Moradi M**, Oral presentation entitled" *Red tide in the Qeshm Island"* Payam Noor University, QeshmIsland, Iran, 2008.
- **Moradi M**, Oral presentation entitled "*Red tide in the Qeshm Island"* Qeshm Utilities Company, Qeshm Island, Iran, 2008.
- Holding a national workshop with the topic *Coral Reef in the Persian Gulf* under auspices of Hormozgan University, Bandar Abbas, Iran, 2010.

Teaching Experience

1. Bushehr University of Medical Sciences, Iran, to PhD Research Students in Marine Medicine Biotechnology(Sep, 2013- Feb 2014).
    i. Marine Ecology.
2. Afagh Higher Education Institute, Urmai, Iran, for B.Sc. students (2012).
    i. Aquaculture engineering.
    ii. Crustacean and Mollusks Aquaculture.
3. Workshop on *Sensitive Habitats in the World,* Hormozgan Academic Center for Education, Culture and Research (ACECR),The Education Course on Principles of GIS and RS in Marine Environment, Iran,(Workshop Instructors: **Mahdi Moradi** and Ali Chupani), 23- 25 October 2010.
4. *Identification of hard Corals in the Persian Gulf*, Workshop on Coral Reefs in Persian Gulf, Hormozgan University, (Workshop Instructors: Hamzeh Valavi, Mohammad Sharif Ranjbar and

Mahdi Moradi), Iran, 27 February- 1 March 2010.

Attended Workshops

- Prof. Andre Droxler Rice, *Reefs through time,* Rice University, Oceanographic Institute of the University of São Paulo, 23-27 May, 2016.
- Prof. Anthony E. Rathburn, *Ecology and biogeochemistry of benthic foraminifera and applications for (paleo) environmental studies,* Universidade Federal Fluminense, 16-20 November 2015.
- II International School Globo Atlântico, Cooperation between UFF-PRES Sorbonne Universités-Arraialdo Cabo (RJ) Brazil, 16 to 22 August 2015.
- Prof. Patricia Backwell, *Fiddler Crab behavior and ecology in coastal water of Persian Gulf,* University of Hormozgan, Bandar Abbas, Iran, 13-16th April 2008.
- Dr. Michael Gordon King, *Stock Assessment and Management of prawn Fishery in the Persian Gulf,* University of Hormozgan, Bandar Abbas, Iran, 15-19th Nov 2008.
- Dr. Tsutmou Nishida, *Stock Assessment and Fisheries on Tuna and Tuna like Species in the Persian Gulf,* 31 January– 1 February 2009.

Training Courses

- Training Course in chemical and physical analysis in the marine sediments, September 2015, Universidade Federal Fluminense.
- Training Course in Foraminifera studies in the marine sediments, November 2015, Universidade Federal Fluminense.
- Training Course in some lab techniques such as; HPLC, PCR and FPLC, March 2014.
- CMAS Diving Course (One Star) in the Qeshm Island, Iran, April 2008.
- Training Course in Marine Mammals Behaviors at the Dolphin Park in the Kish Island, Iran, August 2008.
- PADI Diving Course (Advance Open Water) in the Qeshm Island, Iran, April 2010.
- Training Course on Microbial, Physical and Chemical Water and Waste Water Examinations Laboratory of Water Treatment, Urmia, Iran, February 2007.
- Training Course on Microbial, Physical and Chemical Water and Waste Water in the Department

of Environmental Research Center, Urmia, Iran, April-June 2007.

- Training Course on Microbial, Physical and Chemical Water Examinations, Urmia, Iran, November- December 2004.

Language Skills

Multilingual

- English-Fluent
- Turkish-Fluent
- Persian –Fluent
- Portuguese- Fluent
- Spanish- Basic

Research interest

- Coral Reef restoration
- Scleractinian corals reproduction physiology
- Coastal ecosystem ecology

Hobbies

- Scuba diving
- Study
- Sports
- Traveling
- Working as a filmmaker and web designer