

Curriculum Vitae



Seyed Majid Mosaddad

Birth on 23/07/1978, in Shiraz, Iran

B.Sc: Atomic Physics, Shiraz University, Iran

M.Sc: Physical oceanography, Tarbiat Modarres university, Iran - Thesis:
Recognizing sound channels in the Persian Gulf

PhD: Physical oceanography, Islamic Azad University, Science and
technology Branch, Iran - Thesis: Numerical Modeling of
Thermocline in Northern part of the Persian Gulf

Affiliation: Physics Department, Islamic Azad University, Shoushtar
Branch, Shoushtar, Iran.

Email: mosaddad5@gmail.com

Address: Iran – Khouzestan state – Shoushtar city – Shoushtar No street –
Islamic Azad University – Physics group

Telephone: +989161152859

Research Projects:

- 1) Sedimentation rate in coasts of the Gar-Gar River, 2007.
- 2) Sedimentation rate in coasts of the Shotteit River, 2008.
- 3) Appointing pattern of currents in meander of the Karun River, 2009.
- 4) Destructive effects of river currents on piers, 2010.
- 5) Appointing Seasonal Sound Channels in the Persian Gulf, 2012.

Conference Papers:

- 1) Acoustical tomography using the Vortex model, Int. Conf. ICOPMAS, 2004
- 2) Effect of clean energy on decreasing of pollution in environment, national conference, Shoushtar ISLAMIC AZAD UNIVERSITY, 2005.
- 3) Managing acoustic systems in marine uses, Int. Conf. ICOPMAS, 2006.
- 4) Recognizing sound channels in the strait of Hurmoz, Int. Conf. ICOPMAS, 2006.

- 5) Mathematical modeling of sound propagation in sea water, Int. Conf. ICOPMAS, 2006.
- 6) Mechanism of flows in ocean, National conf. of physics, Marvdasht ISLAMIC AZAD UNIVERSITY, 2008.
- 7) Management of environment protection of rivers coasts, National conf. of Water science, Marvdasht ISLAMIC AZAD UNIVERSITY, 2009.
- 8) Coastal Destroy due to River Bending and Drift of Sedimentation due to piers, Hydropower Sri Lanka conference 2007.
- 9) Current Modeling of Water in a River Meander Considering Civil ENGINEERING PROBLEMS, ACFM congress 2008, South Korea.
- 10) Appointing the factors to decrease coastal sedimentation for rivers, A case study in Iran, ACFM congress 2008, South Korea.
- 11) Simulation of Sedimentation in a River meander, IJESD journal in Singapore, 2010

Journals Papers:

- 1- Development of Thermocline in the Persian Gulf, 2009, *Int. J. of Climate Change: Impacts and responses*, Vol. 1, 8p
- 2- Study factors to decrease coastal destruction , 2009, *IOP Electronic Journal of Earth and environmental science(EES)*, 5p
- 3- Comparison of surface current patterns in a meander with a direct canal of water, *Int.J. Env. Sci. Dev.*, Vol. 1, No. 2, June 2010, 5p.

ISI Journals:

- 1- A Numerical study of thermocline development in northern part of the Persian Gulf, *Indian J. of mar. Sci.*, 2010, 18p.
- 2- Seasonal Influences of Boundary Conditions in Coastal Water Quality Variations (Case Study: Northern Zone of Persian Gulf), *World Applied Science journal*, 2011, Vol.1.
- 3- Determining the temperature of Caspian Sea surface using the numerical, computational model, *Eco. Env. & Cons. 19 (1) : 2013; pp. (33-38)*.
- 4- Influence of internal waves on underwater acoustic propagation, *Eco. Env. & Cons. 19 (1) : 2013; pp. (39-46)*.

Invited Lectures:

- 1) Applications of sound propagation in sea
- 2) Research culture at universities
- 3) Paper writing in English
- 4) Two engineering softwares: SURFER - Tecplot

Awards and Honors

The first researcher award in physics, Islamic Azad University, Shoushtar Branch, 2011.

Language

Skill in English language, writing and speaking (ISLAMIC AZAD UNIVERSITYEPT test, 2010)

Research Interests

- Research in oceanography and environment
- Numerical modeling in water science

Inaugurations

- Faculty member in 2005
- Physics laboratory responsible in 2006 (for 1 year)
- Head of Young Researchers Club (2009 until 2012)
- Head of a university (2013)

Courses Taught

- Acoustics
- Mechanical physics
- Thermodynamic
- Fluid Mechanics

Teaching Experience

10 years teaching the above items at universities



2014/05/14