Mahdi MOHAMMAD MAHDIZADEH

University of Hormozgan

Curriculum Vitae

Personal

Family name: Mohammad Mahdizadeh
Name: Mahdi Sex: mail
Date of Birth: 15 September 1977
Place of Birth: Feizabade Mahvelat, Khorasan Razavi, Iran
Marital Status: Married
Current Address: Mahdi MOHAMMAD MAHDIZADEH, Faculty of Science and technologies marines, University of Hormozgan, Bandar Abbas, Iran
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Education

2004-2008 PhD of Physical Oceanography, Laboratory of the Flows Geophysics and Industrialists, University Joseph Fourrier, Grenoble, France
PhD thesis: Propagation and reflection of the internal tide : a numerical and experimental study. Adviser: Chantal STAQUET

2002-2004 Learning French, Military service, Work of part time in Meteorological Organization, Ministry of Transport and an Company Personal, Learning some software for numerical modeling

1999-2002 M.S. Physical Oceanography, Tarbiat Modarres University, Department of Physical Oceanography, Iran
M.S. thesis: Application of A Numerical Model of Storm Surge in the Caspian Sea. Adviser: M.R. Banazadeh Mahani

1995-1999 B.S. Applied Physics, Birjand University, Department of Physics, Birjand, Iran

Honors and Awards

Scholarship to study abroad for PhD degree of Ministry of Science, Research and Technology of Iran
Second grad in global entrance examination of M.S.c universities of Iran in 1999
Fellowship of Meteorological Organization of Iran in my M.S. thesis
Grant in my M.S. and B.S.
Graduation in M.S. and B.S. degree and Diploma whit highest honor

Memberships

Member of Iranian Society of Marine Sciences and Technology
Member of Iranian Hydraulic Association
Member of University Science Associations such as physics Association of Birjand University

Experiences

Professor of Physical Oceanography, University of Hormozgan, 2009 to Present
Vice head of Faculty of Science, University of Hormozgan, 2009 to 2016
Teaching in high school and University for Graduate (PhD and M.S) and Undergraduate (B.S) students
Teaching Competency Degree of Tarbiat Modarres University ratified by Ministry of Science, Research and Technology of Iran
Working in Meteorological Organization of Iran and Ministry of Energy of

Iran in several projects
Adviser and co-adviser of several students of B.S., M.S., PhD
Fluid Dynamics, Meteorology, Numerical Model, Storm Surge, Currents and Long Waves, Mike 21 (HD, AD, NHD, NAD,…), Tide, Near shore process, Physical Modeling, MITgcm, SWAN, WAM, POM, H2D , …

Courses Taught

PhD: Advanced Physical Oceanography, Dynamics, Numerical Model, Geophysical Fluid Dynamics

M.S: Physical Oceanography, Waves and Tides, Dynamics, Numerical Model, Geophysical Fluid Dynamics, General Oceanography

B.S: Physics, Meteorology, Numerical Model, Dynamics, Fluid Mechanics

Adviser of PhD Thesis

- Mathematical Model of Circulation in Indian Ocean With Coupled Effects of Wind and Thermocline in Spherical Coordinate.
- Hydrodynamic Study of the surface and subsurface waters circulation in the northern Indian Ocean.
- Investigation and three-dimensional simulation of the physical parameters of the Persian Gulf output current to Gulf of Oman by MITgcm numerical model.
- Three-Dimensional Simulation of Wind Driven Currents in Caspian Sea.

Adviser of M.S Thesis

- The Simulation of marine currents around the Faroor island.
- Long time wave hindcast study in the Gulf of CHABAHAR.
- Simulation of waves specially infra gravity waves in north of Mokran sea by SWASH model.
- Investigation of wave energy dissation by changing the drag coefficient by SWAN model.
- Study of coral reefs effects on waves pattern by SWAN wave model.
- Numerical Simulation Of Waves Patterns in West Coasts of The Caspian Sea (Case Study: Astara Port)
- The Survay Of Back Scattering Acoustic Waves In Sediment by Laboratory Method.
- Calculation of the magnetic field by the sea wave in Amirabad area using the result of MIKE21 numerical model.
- Second dimension modeling hydrodynamics in Anzali Port with the use of MIKE 21 software.
- Camparison of numerical models swan and mike21 in the analysis of wind wave in the south caspian sea.

And the rest in the attachment pages.

Computer skills

Tecplot, Surfer, Office (Word, Excel, power point, Front Page, Paint),
Adobe Acrobat, Media's, Internet, WinRAR, WinZip,
Widows, Linux and MS-DOS operating system, Application programming in FORTRAN, BASIC, C++ and MATLAB.

Research Interests

Numerical Models and Prediction; Coupling Ocean-Atmosphere Models
Fluid, Ocean-Atmosphere and Coastal Dynamics
Satellite and Remote Sensing; Field, Laboratory and Modeling Works
Acoustics, Optics and Pollution in the Sea
Change in Sea-Level; Surface, Internal and Long Waves; Tides; Currents

Marine Meteorology; Ocean Engineering; …

Publication

M.Mahdizadeh, *et al*,2015, Simulating Wind Driven Waves in the Strait of Hormuz using MIKE21, ILMU KELAUTAN, Vol.1, No.20, pp. 1-8.

M.Mahdizadeh, *et al*,2013, Estimation of Storm Surge Dominated Wave Height in Iranian Coastlines of Oman Sea, JOURNAL OF MARINE SCIENCE AND TECHNOLOGY, Vol.1, No.13, pp. 41-50.

M.Mahdizadeh, *et al*,2017, propagation of the sound in the water using ray theory case study Gulf of Oman, OPEN JOURNAL OF MARINE SCIENCE, accepted.

Mehdizadeh, *et al*, 2002, A Numerical Model of Storm Surge in the Caspian Sea, Iranian Journal of Marine Sciences, Vol.1, No.3, pp. 45-57.

Mehdizadeh, "Storm Surge in the Caspian Sea", 2nd Numerical Prediction in Meteorology Conference, Meteorological Organization of Iran, Tehran, Iran.

And the rest in the attachment pages.

Presentations

Fluid Mechanics, Tarbiat Modarres University, Tehran, Iran

Optics, Birjand University, Birjand, Iran

Numerical Models, Oceanic & Atmospheric Sciences Center, Meteorological Organization, Tehran, Iran

Storm Surges, Oceanic & Atmospheric Sciences Center, Meteorological Organization, Tehran, Iran

Tides and near shore Process, Tarbiat Modarres University, Tehran, Iran

Caspian Sea, Tarbiat Modarres University, Tehran, Iran

Application of A Numerical Model of Storm Surge in the Caspian Sea, Tarbiat Modarres University, Tehran, Iran

And the rest in the attachment pages.

Projects

Application of A Numerical Model of Storm Surge in the Caspian Sea

Researching about Effects of Middle Road in Currents, Waves, Physical and Biological Parameter of Urmia Lake in Iran for ministry of transport

Sea water intake and cooling water distribution plant of the Mobin utility complex (West and east outfall thermal diffusion studies) for National Petrochemical Co. of Iran

Languages

Mother tongue: Persian

Other languages: English (read, understand, write, speak),
French (read, understand, write, speak), Arabic (read, understand),