

## CURRICULUM VITAE of Nasser Hadjizadeh Zaker



Associate Professor, Faculty of Environment, University of Tehran

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Date of Birth: 1957  
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### Degrees Held

- Ph.D. Coastal Engineering, University of Western Australia, 1998.
- MSc in Civil Engineering, University of Tehran, Tehran, 1986
- BSc in Civil Engineering, University of Tehran, Tehran, 1984

### PhD Thesis

Title: Dynamics of the Coastal Boundary Layer off Perth, Western Australia

### Positions Held

- Academic Member (Associate Professor) at University of Tehran, 2000-continues
- Member of the Scientific Committee of Iranian Fisheries Organization, 2000-continues
- Member of the Scientific Committee of Coastal Engineering Projects, Ports and Maritime Organization of Iran, 2010-continues

- Director of Iranian National Center for Oceanography 2000-2005
- Chairman of IOCINDIO: IOC Regional Committee for the Central Indian Ocean 2000-2005
- Coordinator of ODINCINDIO Project: Ocean Data and Information Network for the Central Indian Ocean Region 2002-2005.
- Director of the office of International Oceanographic Institute in Iran 2002-2005
- National Representative of IR-Iran at the Executive Committee of the Intergovernmental Oceanographic Commission 2000-2005
- Academic Member of Iranian Fisheries Research Organization 1998-2000
- Head of Department of Fishing Ports Design and Construction (Iranian Fisheries Organization) 1988-1992

### **Fields of Research**

- Coastal/Environmental Engineering
- Physical and dynamical oceanography
- Marine Pollution
- Water resources
- Water quality

### **Educational Activities**

Academic Member of University of Tehran, Faculty of Environment since 2000, presenting lectures and conducting research projects on the following subjects:

- Marine Environmental Management
- Numerical Modeling in Environmental Studies
- Water resources
- Water quality
- Research Methodology for postgraduate students
- Marine Pollution
- Dynamical Oceanography
- Physical Oceanography
- Coastal Engineering

- Environmental Engineering
- Outfall Design
- Remote Sensing Applications in Coastal Environmental Studies
- Design of Coastal Structures

## **Publications**

- 1 Hamideh Sadat Mirvakili, **Nasser Hadjizadeh Zaker**, Farshid Imani, **2013**  
Evaluation of Oil Pollution and Origin in Surface Coastal Sediments of Kharg Island in the Persian Gulf , Journal of Coastal Research, Special Issue No. 65, 2013, pp 93-98
- 2 Shima Shamkhali Chenar, Abdulreza Karbassi, **Nasser Hadjizadeh Zaker**, and Fereydoun Ghazban, **2013**  
Electrofloculation of Metals during Estuarine Mixing (Caspian Sea), Journal of Coastal Research, July 2013, 4, 29, pp847-854
- 3 Ozeair Abessi, Mohsen Saeedi, Mark Davidson, and **Nasser Hadjizadeh Zaker**, **2012**  
Flow Classification of Negatively Buoyant Surface Discharge in an Ambient Current Journal of Coastal research, Vol. 28, No. 1A, 2012
- 4 **Zaker, N.H.**, Ghaffari, P., Jamshidi, S., Nouranian, M., **2011**  
Currents on the Southern Continental Shelf of the Caspian Sea off Babolsar, Mazandaran, Iran, Journal of Coastal Research, 2011, SI 64, pp1989-1997
- 5 **N.H. Zaker**, P. Ghaffari, S. Jamshidi and M. Nourian, **2011**  
Dynamics of the Currents in the Strait of Khuran in the Persian Gulf Journal of Shipping and Ocean Engineering 1 (2011) 109-115
- 6 Mohammad Heidarzadeh, Moharram D. Pirooz, **Nasser H. Zaker**, **2009**  
Preliminary estimation of the tsunami hazards associated with the Makran subduction zone at the northwestern Indian Ocean, Journal of Natural Hazards. No 48, pp 229-243
- 7 Mohammad Heidarzadeh, Moharram D. Pirooz, **Nasser H. Zaker**, Mohammad Mokhtari, and Ahmet C. Yalciner, **2008**.  
Historical Tsunamis in the Makran Subduction Zone off Southern Coasts of Iran and Pakistan and Results of Preliminary Numerical Modeling, Ocean Engineering, No 35, pp 774-786
- 8 Mohammad Heidarzadeh, Moharram D. Pirooz, **Nasser H. Zaker**, **2008**  
Evaluating Tsunami Hazard in the Northwestern Indian Ocean, Journal of Pure and Applied Geophysics. No 165, pp 2045-2058

- 9 **Zaker, N.H., 2007.**  
Characteristics and Seasonal Variations of Dissolved Oxygen in the Southern Shelf of the Caspian Sea, 2007, International Journal of Environmental Research, No 4.
- 10 **Zaker, N.H., Imberger, J., and Pattiaratchi, C., 2007.**  
Dynamics of the Coastal Boundary Layer off Perth, Western Australia, Volume 23, Issue 5, pp. 1112-1130.
- 11 **Zaker, N.H., Ghaffari, P., and Jamshidi, S., 2007.**  
Physical Study of the Southern Coastal Waters of the Caspian Sea, off Babolsar, Mazandaran in Iran (2007). Journal of Coastal Research, especial issue 50, pp 564-569
- 12 Mohammad Heidarzadeh, Moharram D. Pirooz, **Nasser H. Zaker**, and Mohammad Mokhtari, **2007**  
Evaluating the Potential for Tsunami Generation in Southern Iran, 2007, International Journal of Civil Engineering (IJCE), Vol 5, No 4, pp 312-329
- 13 **N. H. Zaker** and A. Etemad-Shahidi, **2006**  
Sedimentation in Babolsar and Pozm Fishery Ports in Iran, Journal of Coastal Research, SI39, pp 424-427
- 14 A. Etemad Shahidi, A. H. Azimi and **N. H. Zaker, 2006**  
Numerical Simulation of Boston outfall in Stagnant Ambient Current, Journal of Coastal Research, SI39, pp 424-427
- 15 **Zaker, N.H., Imberger, J., and Pattiaratchi, C., 2002.**  
Numerical Simulation of the Coastal Boundary Layer off Perth, Western Australia, N. H. Zaker, J. Imberger, C. Pattiaratchi, Journal of Coastal Research, 2002, Vol. 18, No. 3
- 16 **Zaker, N.H., Imberger, J., and Pattiaratchi, C., 2000.**  
Dispersion of an Effluent Plume in a Shallow Coastal Area, N. H. Zaker, J. Imberger, C. Pattiaratchi, Journal of Marine Environmental Engineering, No 21, pp 21-32