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Keivan Kabiri

PhD in Remote Sensing

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Education

Aug 2002 – present: **Iranian National Institute for Oceanography, Data Center**
Tehran, Iran

Dec 2009 – Feb 2014 **Universiti Putra Malaysia**
PhD, Remote Sensing
Serdang, Malaysia

Sep 1999 – Mar 2002 **Khaje Nasir Toosi University of Technology**
Msc., Photogrammetry
Tehran, Iran

Sep 1994 – Sep 1998 **Khaje Nasir Toosi University of Technology**
Bsc., Surveying
Tehran, Iran

Research Experience

Dec 2009 – Feb 2014 **PhD candidate**
Putra University, Malaysia, Department of Civil Engineering
Putrajaya, Malaysia

- Aug 2002 – Apr 2018* **Associate Professor, Member of Scientific Board, Head of Department**
Iranian National Institute for Oceanography, Department of Oceanographic Data and Remote Sensing
Tehran, Iran
- Aug 2002 – Jun 2014* **Member of scientific board**
Iranian National Institute for Oceanography and Atmospheric Science, Tehran, Iran,
Data Center and Remote Sensing

Skills & Activities

- Skills* Remote Sensing
Coral Reef Ecology
Bathymetry Mapping
UAV
Drone
Image Processing
Surveying
Oceanography
Ecosystems
Climate Change
Benthic Ecology
Satellite Data
Aquatic Ecosystems
Geographic Information System
- Languages* English, Persian

Journal Publications

- Azar, Z. J., Azad, M. T., Ezam, M., & Kabiri, K. (2024). Assessing the volume of warm water entering the Indian Ocean and surface temperature changes in Persian Gulf. *International Journal of Environmental Science and Technology*, 1-14.
- Kabiri, K. (2023). Retrieval and validation of the Secchi disk depth values (Z_{sd}) from the Sentinel-3/OLCI satellite data in the Persian Gulf and the Gulf of Oman. *Environmental Science and Pollution Research*, 1-13.

- GHANAATIAN, H., SAFAHIEH, A., KABIRI, K., SAVARI, A., MOHAMADZADEH, M. R., & DARVISHI, K. (2023). Breeding of Bridled Tern *Onychoprion anaethetus* on a shipwreck in Bahregan Bay, Persian Gulf: a case report. *Marine Ornithology*, 51, 43-45.
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- Ghafarian, P., Kabiri, K., Delju, A. H., & Fallahi, M. (2022). Spatio-temporal variability of dust events in the northern Persian Gulf from 1991 to 2020. *Atmospheric Pollution Research*, 13(4), 101357.
- Halabian, A., Kabiri, K., Safarnejad, M., & Shirani, M. (2022). Effect of sea surface temperature (SST) changes on coral ecosystems in Kish Island. *Journal of Oceanography*, 13(50), 49-64.
- Sharifi, A., Esfahaninejad, M., & Kabiri, K. (2021). Hydroclimate of the Lake Urmia Catchment Area: A Brief Overview.
- Beni, A. N., Marriner, N., Sharifi, A., Azizpour, J., Kabiri, K., Djamali, M., & Kirman, A. (2021). Climate change: A driver of future conflicts in the Persian Gulf Region?. *Heliyon*, 7(2), e06288.
- Beni, A. N., Lahijani, H., Tofighian, H., Guibal, F., Kabiri, K., Gambin, T., ... & Jahani, V. (2020). Geoarchaeology of the 18th century Qoroq shipwreck, Caspian Sea, Iran: A tale of sailing in a dynamic environment. *Journal of Archaeological Science: Reports*, 34, 102582.
- Kabiri, K. (2020). Mapping coastal ecosystems and features using a low-cost standard drone: case study, Nayband Bay, Persian Gulf, Iran. *Journal of Coastal Conservation*, 24(5), 1-8.
- Kabiri, K., Rezai, H., & Moradi, M. (2020). A drone-based method for mapping the coral reefs in the shallow coastal waters—case study: Kish Island, Persian Gulf. *Earth Science Informatics*, 1-10.
- Naghdi, K., Moradi, M., Rahimzadegan, M., Kabiri, K., & Tabari, M. R. (2020). Quantitative modeling of cyanobacterial concentration using MODIS imagery in the Southern Caspian Sea. *Journal of Great Lakes Research*.
- Moradi, M., Kazeminezhad, M. H., & Kabiri, K. (2020). Integration of Geographic Information System and system dynamics for assessment of the impacts of storm damage on coastal communities-Case study: Chabahar, Iran. *International Journal of Disaster Risk Reduction*, 101665.
- Moradi, M., & Kabiri, K. (2019). Spatio-temporal variability of red-green chlorophyll-a index from MODIS data—Case study: Chabahar Bay, SE of Iran. *Continental Shelf Research*, 184, 1-9.
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- Suzanne A.G. LEROY, Françoise CHALIÉ, Frank P. WESSELINGH, Mohammad Saeed SANJANI, Hamid A.K. LAHIJANI, John ATHERSUCH, Ulrich STRUCK, Gill PLUNKETT, Paula J. REIMER, Parisa HABIBI, Keivan KABIRI, Safiyeh HAGHANI, Abdolmajid NADERI BENI, Klaus ARPE: *Multi-proxy indicators in a Pontocaspian system: a depth transect of surface sediment in the SE Caspian Sea*. Geologica Belgica 01/2018; 21(3-4):143., DOI:10.20341/gb.2018.008
- Keivan Kabiri: *Accuracy assessment of near-shore bathymetry information retrieved from Landsat-8 imagery*. Earth Science Informatics 02/2017;, DOI:10.1007/s12145-017-0293-7
- Hamid Rezai, Seid Ali Mohtarami, Hamed Dehghani, Parviz Tavakoli-Kolour, Hamid Reza Bargahi, Keivan Kabiri: *Nudibranchs from the Northern Persian Gulf*.
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- Masoud Moradi, Keivan Kabiri: *Spatio-temporal variability of SST and Chlorophyll-a from MODIS data in the Persian Gulf*. Marine Pollution Bulletin 07/2015;, DOI:10.1016/j.marpolbul.2015.07.018
- Safiyeh Haghani, Suzanne AG Leroy, Sarkar Khdir, Keivan Kabiri, Abdolmajid Naderi Beni, Hamid Alizadeh Ketek Lahijani: *An early 'Little Ice Age' brackish water invasion along the south coast of the Caspian Sea (sediment of Langarud wetland) and its wider impacts on environment and people*. The Holocene 07/2015; 26(1)., DOI:10.1177/0959683615596835
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- Masoud Moradi, Sedigheh Basiri, Ali Kananian, Keivan Kabiri: *Fuzzy logic modeling for hydrothermal gold mineralization mapping using geochemical, geological, ASTER imageries and other geo-data, a case study in Central Alborz, Iran*. Earth Science Informatics 02/2014; 8(1)., DOI:10.1007/s12145-014-0151-9
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- Keivan Kabiri, Biswajeet Pradhan, Kaveh Samimi-Namin, Masoud Moradi: *Detecting coral bleaching, using QuickBird multi-temporal data: A feasibility study at Kish Island, the Persian Gulf*. Estuarine Coastal and Shelf Science 12/2012; 117., DOI:10.1016/j.ecss.2012.12.006
- Masoud Moradi, Keivan Kabiri: *Red tide detection in the Strait of Hormuz (east of the Persian Gulf) using MODIS fluorescence data*. International Journal of Remote Sensing 02/2012; 33(4-4):1015-1028., DOI:10.1080/01431161.2010.545449
- Mehrnaz Farzingerhar, Zelina Z. Ibrahim, Mehran Yasemi, Keivan Kabiri: *Trajectory and Fate of Diesel Spill Pollution by Combination of GNOME and ALOHA Models in Persian Gulf*. 03/2011; 2011(1):abs242., DOI:10.7901/2169-3358-2011-1-242
- Hamid Rezai, Kaveh Samimi, Keivan Kabiri, Ehsan Kamrani, Mahshid Jalili, Mohammad Mokhtari: *Distribution and Abundance of the Corals around Hengam and Farurgan Islands, the Persian Gulf*.
- K Samimi Namin, H Rezai, K Kabiri, Z Zohari: *Unique coral community in the Persian Gulf*. Coral Reefs 03/2009; 28(1-1):27-27., DOI:10.1007/s00338-008-0442-z

Conference Proceedings

Kabiri, K., & Moradi, M. (2023). A CROSS-SENSOR-BASED APPROACH TO ESTIMATE DEPTH VALUES IN NEARSHORE COASTAL WATERS, CASE STUDY: NAYBAND BAY, PERSIAN GULF. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 10, 343-348.

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Keivan Kabiri, Hamid Rezai, Masoud Moradi: *Estimation of Depth Values Using Multispectral Worldview-2 Satellite Imagery-Feasibility Study: Hendorabi Island, Persian Gulf*. 5TH INTERNATIONAL CONGRESS ON TECHNOLOGY - ENGINEERING & SCIENCE (ICONTE5-5), Malaysia; 02/2018

K Naghdi, M Moradi, K Kabiri, M Rahimzadegan, M Rowshantabari: *Quantifying Cyanobacteria Concentration in the Southern Caspian Sea using MODIS Satellite Imagery*. ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, At Iran, Volume: XLII-4/W4, Iran; 10/2017

K. Kabiri: *Discovering Optimum Method to Extract Depth Information for Nearshore Coastal Waters from Sentinel-2A Imagery - Case Study: Nayband Bay, Iran*. ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Iran; 09/2017, DOI:10.5194/isprs-archives-XLII-4-W4-105-2017

Keivan Kabiri: *Remote Sensing of the Coral reefs in the Persian Gulf (Mapping and Assessment)*. Response of Coastal and Pelagic Marine Ecosystems to Environmental Stressors in the Persian Gulf, Kish Island, Persian Gulf, Iran; 01/2017

Keivan Kabiri: *Multispectral/Multitemporal Landsat-8 Images to Estimate Water Depth in Near-Shore Coastal Waters of Chabahar Bay, Iran*. 4th International Conference on Agricultural, Environmental and Civil Engineering (AECE-2016), Pattaya (Thailand); 08/2016

Mohsen Ghanea, Masoud Moradi, Keivan Kabiri: *Investigation the Behavior of MODIS Ocean Color Products under the 2008 Red Tide in the Eastern Persian Gulf*. The 3th International Conference on Sensors and Models in Photogrammetry and Remote Sensing 2015 (SMPR 2015); 11/2015, DOI:10.5194/isprsarchives-XL-1-W5-227-2015

Y Ghobadi, B Pradhan, K Kabiri, S Pirasteh, H Z M Shafri, G A Sayyad: *Use of Multi-Temporal Remote Sensing Data and GIS for Wetland Change Monitoring and Degradation*. 2012 IEEE Colloquium on Humanities, Science & Engineering Research (CHUSER 2012), December 3-4, 2012, Kota Kinabalu, Sabah, Malaysia; 12/2012, DOI:10.1109/CHUSER.2012.6504290

K Kabiri, B Pradhan, H Rezai, Y Ghobadi, M Moradi: *Fluctuation of Sea Surface Temperature in the Persian Gulf and Its Impact on Coral Reef Communities around Kish Island*. 2012 IEEE Colloquium on Humanities, Science & Engineering Research (CHUSER 2012), December 3-4, 2012, Kota Kinabalu, Sabah, Malaysia; 12/2012, DOI:10.1109/CHUSER.2012.6504303

M Moradi, K Kabiri: *Spatial modeling and data management of the Persian Gulf wave atlas*. Humanities, Science and Engineering (CHUSER), 2012 IEEE Colloquium on; 12/2012, DOI:10.1109/CHUSER.2012.6504306

Keivan kabiri, Biswajeet Pradhan, Arash SHarifi, Yasser Ghobadi, Saeid pirasteh: *Manifestation of Remotely Sensed Data Coupled With Field Measured Meteorological Data for an Assessment of Degradation of Urmia Lake, Iran*. 2012 Asia Pacific Conference on Environmental Science and Technology; 02/2012

B Pradhan, K Kabiri: *Spectral and spatial resolution analysis of multi sensor satellite data for coral reef mapping: Tioman Island, Malaysia*. 39th COSPAR Scientific Assembly. Held 14-22 July 2012, in Mysore, India. Abstract D0. 1-4-12, p. 1533; 01/2012

Book Chapters

Sharifi, A., Esfahaninejad, M., & Kabiri, K. (2021). Hydroclimate of the Lake Urmia Catchment Area: A Brief Overview.

Technical Reports

Hamid Rezai, Keivan Kabiri: *Evidence of possible yellow band disease around Bani Farur Island*.