

Curriculum Vitae

Dr. Hamid Alizadeh Ketek Lahijani

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Academic Background

- Ph.D. in Sedimentology, Russian Academy of Sciences, Institute of Water Problems, 1994-1998.
- M.Sc. in Sedimentology, Faculty of Sciences, the University of Tehran, 1989-1991.
- B.Sc. in Geology, Faculty of Sciences, The University of Tehran, 1984-1988

Positions & Work Experiences & Memberships

- Head of Non-living Marine Science Group, INCO, 1999-2001
- Head of Library of INCO, 2002-2005
- Deputy of Research, INCO, 2006-2010
- Head of Marine Sciences Center, INIO, 2010 -2012
- Deputy of Research, INIOAS, Oct. 2012-Feb. 2015
- Member of Iranian Society of Marine Science and Technology (ISMST)
- Member of Iranian Society of Oceanology

Teaching Experiences

- Course on Non-Living Characteristics of Iranian Seas: Caspian Sea, Persian Gulf and Oman Sea (Tarbiat-Modares Univ., The University of Guilan and The University of Shahid Beheshti)
- Course on Pollution of Iranian Seas: Caspian Sea, Persian Gulf and Oman Sea (The University of Guilan and The University of Shahid Beheshti)
- Course on Marine Geology (The University of Tehran)
- Course on Oceanography (The University of Tehran, The University of Shahid Beheshti and Iranian National Institute for Oceanography and Atmospheric Science (INIOAS))
- Supervised 10 MSc and 3 PhD students, Examiner of 8 national and international PhD students

Research Activities

Research Interest

- Marine Geology
- Paleoclimate
- Marine Hazard

Full Papers

- **Lahijani, H.**, Leroy, S., Naderi Beni, A., Kazanci, N., Gürbüz, A., 2016, QuickLakeH: Rapidly changing large lakes and human response, *Quaternary International* , 408, 1-15.
- Shumilovskikh, L. S., Hopper, K., Djamali, M., Ponel, P., Demory, F., Rostek, F., Tachikawa, K., Bittmann, F., Golyeva, A., Guibal, F., Talon, B., Wang, L., Nezamabadi, M., Bard, E., **Lahijani, H.**, Nokandeh, J., Omrani Rekavandi, H., Jacques-Louis de Beaulieu, Sauer, E. and Andrieu-Ponel, V., 2016, Landscape evolution and agro-sylvo-pastoral activities on the Gorgan Plain (NE Iran) in the last 6000 years, *The Holocene*.
- Miller, Ch S., Leroy, S. G. A., Collins, P. E. F. and **Lahijani, H.** 2016, Late Holocene vegetation and ocean variability in the Gulf of Oman, *Quaternary Science Review*, Volume 143, Pages 120-132.
- Pakzad, H., Pasandi, M., Yeganeh, S., and **Lahijani, H.**, 2016, Assessment of heavy metal enrichment in the offshore fine-grained sediments of the Caspian Sea, *Environ Monit Assess* 188: 303, 1-14.
- Talebi, T., Ramezani, E., Djamali, M., **Lahijani, H.**, Naqinezhad, A., Alizadeh, K., Andrieu-Ponel, V., 2016, The Late-Holocene climate change, vegetation dynamics, lake-level changes and anthropogenic impacts in the Lake Urmia region, NW Iran, *Qut. Int.* 408, 40-51.
- Hamzeh, M. A., Mahmudy Gharai, M. H., **Lahijani, H.**, Djamali, M., Moussavi Harami, R., Naderi Beni, A., 2016, Holocene hydrological changes in SE Iran, a key region between Indian Summer Monsoon and Mediterranean winter precipitation zones, as revealed from a lacustrine sequence from Lake Hamoun, *Qut. Int.* 408, 25-39.
- Djamali, M., Jones, M. D., Migliore, J., Balatti, S., Fader, M., Contreras, D., Gondet, S., Hosseini, Z., **Lahijani, H.**, Naderi, A., Shumilovskikh, L. S., Tengberg, M., Weeks, L., 2015, Olive cultivation in the heart of the Persian Achaemenid Empire: new insights into agricultural practices and environmental changes reflected in a late Holocene pollen record from Lake Parishan, SW Iran, *Veget Hist Archaeobot.*
- Sharifi, A., Pourmand, A., Canuel, E. A., Ferer-Tyler, E., Peterson, L. C., Aichner, B., Feakins, S. J., Daryaee,

T., Djamali, M., Naderi Beni, A., **Lahijani, H. A. K.**, Swart, P. K., 2015, Abrupt climate variability since the last deglaciation based on a high-resolution, multi-proxy peat record from NW Iran: The hand that rocked the Cradle of Civilization? *Quaternary Science Reviews* 123, 215-230

- Haghani, S., Leroy, S. A. G., Khdir, S., Kabiri, K., Naderi Beni, A., **Lahijani, H. A. K.**, 2015, 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*.
- Kakroodi, A. A., Leroy, S. A. G., Kroonenberg, S.B., **Lahijani, H. A. K.**, Alimohammadian, H., Boomer, I., Goorab, A., 2015, Late Pleistocene and Holocene sea-level change and coastal palaeoenvironment evolution along the Iranian Caspian shore, *Marine Geology*, vol. 361, p 111-125.
- Naderi Beni, A., **Lahijani, H.**, Pourkerman, M., Jokar, R., Djamali, M., Marriner, N., Andrieu-Ponel, V., Mousavi Harami, R., 2014, Late Holocene Caspian Sea Level Changes and its Impacts on Low Lying Coastal Evolution: a Multidisciplinary Case Study from South Southeastern Flank of the Caspian Sea, *Journal of the Persian Gulf (Marine Science)*, Vol. 5, No. 16, 27-48.
- Arpe, K., Leroy, S. A. G., Wetterhall, F., Khan, V., Hagemann, S., **Lahijani, H.**, 2014, Prediction of the Caspian Sea level using ECMWF seasonal forecasts and reanalysis, *Springer*, 117:41–60.
- Naderi Beni, A.M., **Lahijani, H.**, Marriner, N., Pourkerman, M., Jokar, R., Hosseindoust, M., Djamali, M., Andrieu-Ponel, V., Kamkar, A., 2014, Caspian Sea-level changes at the end of Little Ice Age and its impacts on the avulsion of the Gorgan River: a multidisciplinary case study from the southeastern flank of the Caspian Sea, *me'diterranean*, no 122, 133-143.
- Ponel, P., Andrieu-Ponel, V., Djamali, M., **Lahijani, H.**, Leydet, M., Mashkour, M., 2013, Fossil beetles as possible evidence for transhumance during the middle and late Holocene in the high mountains of Talysch (Talesh) in NW Iran?, *Journal of Environmental Archaeology*, VOL. 18, NO. 3 201-210.
- Naderi Beni, A., **Lahijani, H.**, Moussavi Harami, R., Leroy, S.A.G., Shah-hosseini, M., Kabiri, K., Tavakoli, V., 2013, Development of spit-lagoon complexes in response to Little Ice Age rapid sea-level changes in the central Guilan coast, South Caspian Sea, Iran, *Geomorphology*, 187, pp 11-26.
- Miller, C., Leroy, S., Izon, G., **Lahijani, H.**, Marret, F., Cundy, A., Teasdale, P., 2013, Palynology: A tool to identify abrupt events? An example from Chabahar Bay, southern Iran, *Marine Geology* vol. 337, pp. 195-201.
- Leroy, S., Kakroodi, A., Kroonenberg, S., **Lahijani, H.**, Alimohammadian, H., Nigarov, A., 2013, Holocene vegetation history and sea level changes in the SE corner of the Caspian Sea: relevance to SW Asia climate,

- Leroy .S, **Lahijani .H**, Reyss .J.-L., Chalié. F, Haghani. S, Shah- hosseini .M, Shahkarami .S, Tudryn .A, Arpe .K, Habibi .P, asrollahzadeh .H.S, Makhloogh. A, 2013., A two-step expansion of the dinocyst *Lingulodinium machaerophorum* in the Caspian Sea: the role of changing environment., Elsevier., *Quaternary Science* Vol:77 31-45.
- Naderi Beni .A, **Lahijani .H**, Mousavi Harami.R, Arpe .K, Leroy .S, Marriner .N, Berberian .M, Andrieu-Ponel .V, Djamali. M, Mahboubi. A, and Reimer .P. J., 2013., Caspian sea-level changes during the last millennium: historical and geological evidence from the south Caspian Sea., *Climate of the Past.*, Vol: 9(1645-1665).
- Arpe. K., Leroy, S. A. G., **Lahijani ,H.**,Khan, V., 2012, Impact of the European Russia drought in 2010 on the Caspian Sea level., *Hydrology and Earth System Sciences*, 16, 19–27.
- Amini, A., Moussavi Harami, R., **Lahijani, H.**, Mahboubi, A., 2012, Holocene Sedimentation Rate in Gorgan Bay and Adjacent Coasts in Southeast of Caspian Sea, *Journal of Basic and Applied Scientific Research*, 2(1)289-297.
- Kakroodi, A. A., Kroonenberg, S.B., Hoogendoorn R.M., Mohammd Khani, H., Yamani M.,Ghassemi M.R., **Lahijani, H.A.K.**, 2012, Rapid Holocene sea-level changes along the Iranian Caspian coast, *Quaternary International*.
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- **Lahijani, H.**, Tavakoli, V: 2011, Identifying Provenance of south Caspian Coastal Sediments Using mineral distribution pattern, *Quaternary International* Vol., 261, 128-137.
- Shah-hosseini, M., Morhange, C., Naderi Beni, A., Marriner, N., **Lahijani, H.**, Hamzeh, M., Sabatier, F., 2011, Coastal boulders as evidence for high-energy waves on the Iranian coast of Makran, *Marine Geology*, 290, 17-28.
- Ghaffari, P., **H. A. Lahijani**, and J. Azizpour, 2010, Snapshot observation of the physical structure and stratification in deep-water of the South Caspian Sea (western part), *Ocean Science*, 6, 877-885.
- **Lahijani, H.**, Haeri Ardakani, O., Sharifi, A., Naderi Beni, A., 2010, Sedimentological and Geological Characteristics of the Gorgan Bay Sediments, *Journal of Oceanography* , Vol 1.
- Morteza Djamali, Philippe Ponel, Thomas Delille, Alain Thiéry, Alireza Asem, Valérie Andrieu, Ponel, Jacques-Louis de Beaulieu, **Hamid Lahijani**, Majid Shah-Hosseini, Abdolhossein Amini, Lora Stevens, 2010, A 200,000-

year record of the brine shrimp *Artemia* (Crustacea: Anostraca) remains in Lake Urmia, NW Iran, *Int. J. Aqu. Sci*; 1(1):14-18.

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- **Lahijani, H.**, S Leroy, MN Beni, K Arpe , 2010 Blaze in Volga: Is it a critical point for the fall in Caspian Sea level? EPISODES 33 (3), 208-208
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- **Lahijani, H.**, H. Rahimpour – Bonab, v., Tavakoli, M. Hosseindoost, 2009, Evidence for late Holocene highstands in Central Guilan- East Mazanderan, South Caspian coast, Iran., *Quaternary International*, 197 , 55-71.
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- Morteza Djamali, Jacques-Louis de Beaulieu, Madjid shah-hosseini, Valérie Andrieu-Ponel, Philippe Ponel, Abdolhossein Amini, Hossein Akhiani, Suzanne Leroy, Lora Stevens, **Hamid Lahijani**, Simon Brewer., 2008, A Late Pleistocene Long Pollen Record from Lake Urmia, NW Iran ,*Quaternary Research*, (69),413-420.
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- **Lahijani, H.**, Kamranpouri, A., Amini, A., 2006, Heavy Metals Contamination in Modern Sediment of Sefidrud Delta, Scientific Reseach *Journal of Iran Marine Sciences*,vol,4, no. 3&4, pp.43-51.
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- **Lahijani H.**, 1999: Beach Profile Changes under the Caspian Sea Level Fluctuations, *Oceanography*, Vol. 2 & 3, P. 35-41 (in Persian).

- Voropayev, G., Krasnozhan, G., **Lahijani, H.**, 1998: *Caspian Deltas, the Caspian Bull.* No. 1, P. 23-27 (in Russian & English).
- Voropayev, G. V., Krasnozhan, G. F., **Lahijani, H.**, 1998: Riverine Sediments and Stability of Iranian Coast of the Caspian Sea, *Water Resources*, Vol. 25, N. 6, P. 747-758 (in Russian & English).
- **Lahijani, H.**, Krasnozhan, G. F., 1998: Riverine Water Supply from the Iranian Coast of the Caspian Sea, *Meteorology and Hydrology*, No. 11, P. 100-102 (in Russian).
- Okhravi, R., **Alizadeh Ketek Lahijani, H.**, 1994: Depositional Environments and Diagenesis of the Dourud Formation, Alborz Mountains, Iran, *Sedimentary Geology*, Vol. 93, P. 261-277.

Projects

- Paleoclimate Reconstruction of the Persian Gulf and Gulf of Oman in MIS I and MIS II, 2016, INSF Grant.
- Environmental Monitoring and Environmental Forecasting of the Iranian Internal Lakes, Persian Lake, Iranian National Institute for Oceanography, (Current Project).
- Caspian Sea Monitoring and Data Processing, Iranian National Institute for Oceanography (Current Project).
- Persian Gulf and Gulf of Oman Oceanographic Studies, PG-GOOS, Iranian National Institute for Oceanography. (Joint Current Project).
- Third National Report of IR Iran for UNFCCC: Vulnerability and Adaptation of Coastal Zone, 2014, Department of Environment IR Iran (Current Project)
- Coastal Hazard Assessment in Iranian Coast of Oman Sea and Climate Change Perspective, 2010, Jundi – Shapour Collaborative Program between Center for International Scientific Studies and Collaboration (CISSC) and French Embassy in Iran (SCAC), C. Morhange, CEREGE & H. Lahijani, INIO.
- Persian Gulf Coral Reefs: Indicator of Environmental Health and Climate Change, 2010, Center for International Scientific Studies and Collaboration, ICRP framework W. Piller, Graz Univ. and Iranian National Institute for Oceanography.
- Investigation of the Holocene Sediment along the Iranian Coast of the Caspian Sea: comparison of east (Golestan Coast) with west coast (West Guilan), 2010, Iranian National Center for Oceanography.
- Second National Report of IR Iran for UNFCCC: Vulnerability and Adaptation of Coastal Zone, 2009, Department of Environment IR Iran.
- Sedimentology and Sediment Distribution Patterns in northern Oman Sea Continental Shelf, 2009, Iranian National Center for Oceanography.
- Late Quaternary History of Vegetation and Climate Change in Northern Iran Comparing with Central Dry Plateau, 2008, Jundi – Shapour Collaborative Program between Center for International Scientific Studies and Collaboration (CISSC) and French Embassy in Iran (SCAC), de Beaulieu, IMEP; H.Lahijani, INCO.
- Pollution Record Due to Caspian Sea Level Rise in Coastal Lagoon of Guilan Province, 2008, Center for International Scientific Studies and Collaboration, ICRP framework with S.Leroy, Brunel Univ., and Iranian National Center for Oceanography.

- Study of Coastal Features Induced by Rip Currents on the Iranian Coast of the Caspian Sea, 2007, Iranian National Center for Oceanography.
- Investigation of the Holocene Sediment along the Iranian Coast of the Caspian Sea: Central Guilan, 2006 Iranian National Center for Oceanography.
- Investigation of the Holocene Sediment along the Iranian Coast of the Caspian Sea: Neka – Babolsar, 2005 Iranian National Center for Oceanography.
- Sedimentology and Mineralogy of Gorgan Bay, 2002, Iranian National Center for Oceanography.
- The Role of Circum Caspian States in Pollution of the Caspian Sea, 2000. Water Resources Dep.Tehran.

Books

- Leroy S. A. G., Warny S., Lahijani H., Piovano E. L., Fanetti D. and Berger A. R., 2009, The role of geosciences in the improvement of mitigation of natural disasters: five case studies In: Beer, T.(Ed.) Geophysical Hazards: MinimizingRisk,MaximizingAwareness,InternationalYearofPlanetEarthserie,Springer, 240P.
- Lahijani, H., 2004, Introduction to the Caspian Characteristics, Norbakhsh Pub., Tehran, 119p.[In Persian].

Workshops

- Lahijani, H ., Leroy,S., 2013, Coordination of workshop on QUIKLAKE, INIO, 5-11 Jan 2013, Tehran, Gorgan, Golestan Province, IR Iran.
- Lahijani, H., 2011, Coordination of Workshop on Caspian Sea Level Changes: Human Impact and Impact of Sea Level, May 21-23, 2011, INIO.
- Lahijani, H., 2010, Coordination of Workshop on Coral Reefs: Their Role in Environmental Health and Climate Reconstruction, 7 – 8 Sept 2010, Iranian National Institute for Oceanography.
- Lahijani, H., 2010, Coordination of Workshop on Cave Sediment and Their Application in Paleoclimate Studies, 22 May 2010, Iranian National Institute for Oceanography.
- Lahijani, H, 2010, Training Course on the Persian Gulf Coastal Conservation, 17 – 22 April 2010, Iranian National Institute for Oceanography.
- Lahijani, H., 2009, Coordination of Workshop on Impact of Oceanic Climate Change on Water Resources of Iran, May 26-27, 2009, Iranian National Center for Oceanography.
- Lahijani, H., Leroy, S., 2008, Coordination of Workshop on Impact of the Caspian Sea-Level rise on Coastal lagoons, Jun. 24-27, 2008, Iranian National Center for Oceanography.
- Lahijani, H., 2007, Coordination of Workshop on Caspian Marine Hazards, Jul.10, 2007 , Iranian National

Center for Oceanography and Guilan University.

- Lahijani, H., 2007, Coordination of Workshop on Climate Change in North of Iran During Late Quaternary, Sep. 12, 2007 Iranian National Center for Oceanography.
- Lahijani, H., 2006, Coordination of Workshop on Environmental Geology, Ministry of Education, Feb. 20 , 2006, Education Dep. Of District 11 Tehran.
- Lahijani, H., 2006, Coordination of Workshop on Application of Isotopes Investigation of Sedimentary Sequences, Jun 14, 2006, Iranian National Center for Oceanography.
- Lahijani, H., 2006, Coordination of Workshop on Application of Geoindicators in Marine and Coastal Studies, Jun. 16, 2006, Iranian National Center for Oceanography.
- Cooperation in Coordination of International Conference on Rapid Sea Level Change: A Caspian Perspective, May 2-9, 2005, The University of Guilan, Rasht, Iran.
- Lahijani, H., Abtahi, B., 2005, Coordination of Workshop on the Caspian Sensitive Area, Tarbiat Modares , Noor, Iran.
- Lahijani, H., 2004, Coordination of Workshop on Coastal Geomorphology of Iranian Seas: Caspian Sea, Persian Gulf, Oman Sea, Jul. 24-25, 2004, Iranian National Center for Oceanography, (Report in Persian).
- Lahijani, H., 2004, Coordination of Workshop on the Integrated Caspian Coastal Management, Jul. 26-27, 2004, Iranian National Center for Oceanography , (Report in Persian).
- Lahijani, H., 2004, Coordination of Workshop on the Hydrochemistry and Geochemistry of Iranian Seas: Caspian Sea, Persian Gulf, Oman Sea, Sep. 4-5, 2004, Iranian National Center for Oceanography , (Report in Persian).
- Lahijani, H., 2003, Coordination of Workshop on Marine Geology, Issues on Coastal Currents, Sea- Level Change, and Caspian Coastal Features, Feb. 14-15, 2003, Iranian National Center for Oceanography ,(Report in Persian).
- Lahijani H., et al, 2001: Coordination of Workshop on the Caspian Sea: Issues on History, Geography, Geology, Oceanography, Biology, Meteorology, Environment and Management, Vol. 1 & 2, Iranian National Center for Oceanography (INCO), (in Persian).