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Tel/Fax: +98 66944870, [amnaderi@inio.ac.ir](mailto:amnaderi@inio.ac.ir)Web: <https://inio.ac.ir>**EDUCATION**

PhD, Sedimentology, Ferdowsi University of Mashhad, Mashhad/Iran, 2013

M.Sc, Petrology, University of Tehran, Tehran/Iran, 1999

B.Sc, Geology, University of Tehran, Tehran/Iran, 1995

**PROFESSIONAL EXPERIENCE**

Geologist, Earth Science, Research and Technology Inst., Tehran., Iran, 1998-2000

Data Manager, Iranian Oceanographic Data Center (IRODC), Tehran, Iran, 2001-2006

Marine Geologist, INIOAS, Tehran, Iran, 2006- Present

Head of the Publication Section, INIOAS, Tehran, Iran, 2000-2003

Head of the Information Center, INIOAS, Tehran, Iran, 2005-2009

Manager of the (Iranian) Journal of Oceanography, Tehran, Iran 2003-2005

Head of Nonliving Resources Group, INIOAS, Tehran, Iran 2010-2015

Director of Research and Scientific Collaborations, INIOAS, Tehran, Iran, 2018-2020

**PUBLICATIONS***Peer-Reviewed Articles*

1. Vaezi, A., Djamali, M., Tavakoli, V. and **Naderi Beni, A.**, 2023. Paleoenvironmental changes and its impacts on Halilrud culture since early Bronze Age. *Archaeological Research*, 2501.
2. Ricci, A., Balatti, S., Brisset, E., Djamali, M., **Beni, A.N.**, Azadi, A. and Firoozbakhsh, P., 2023. Water Stress and Imperial Politics in the Southern Zagros Mountains.
3. Vaezi, A., Tavakoli, V., and **Naderi Beni, A.**, 2023. Paleoclimate reconstruction in Jiroft during the late Holocene. *Scientific Quarterly Journal of Geosciences*
4. Molavi-Arabshahi, M., Azizpour, J., Nikan, O., **Naderi Beni, A.** and Lopes, A.M., 2023. Investigation and Analysis of Sea Surface Temperature and Precipitation of the Southern Caspian Sea Using Wavelet Analysis. *Axioms*, 12(1), p.10.

5. Vaezi, A., Routh, J., Djamali, M., Gurjazkaite, K., Tavakoli, V., **Beni, A.N.** and Roberts, P., 2022. New multi-proxy record shows potential impacts of precipitation on the rise and ebb of Bronze Age and imperial Persian societies in southeastern Iran. *Quaternary Science Reviews*, 298, p.107855.
6. Leroy, S.A., Reimer, P.J., Lahijani, H.K., **Beni, A.N.**, Sauer, E., Chalié, F., Arpe, K., Demory, F., Mertens, K., Belkacem, D. and Kakroodi, A.A., 2022, Caspian Sea levels over the last 2200 years, with new data from the SE corner. *Geomorphology*, p.108136.
7. Sharifi-Yazdi, M., Tavakoli, V., Salehi-Noparvar, S., Vaezi, A., **Naderi Beni, A.**, Nazemi, M., Duttagupta, S., and Routh, J., 2022, Influence of the Late Quaternary climate on sedimentology of the Jazmurian Playa, SE Iran: *Journal of Paleolimnology*, p. 1-19.
8. Zandifar, S., Tavakoli, V., Vaezi, A., Naeimi, M., **Naderi Beni, A.**, Sharifi-Yazdi, M., and Routh, J., 2022, Influence of transport mechanism on playa sequences, late Pleistocene-Holocene period in Jazmurian Playa, southeast Iran: *Arabian Journal of Geosciences*, v. 15, no. 7, p. 1-13.
9. **Naderi Beni, A.**, Djamali, M., (*accepted article*), Disturbances in the Holocene sedimentary sequence in the Persian Gulf, *Applied Sedimentology* [In Persian].
10. **Beni, A. N.**, Marriner, N., Sharifi, A., Azizpour, J., Kabiri, K., Djamali, M., and Kirman, A., 2021, Climate change: A driver of future conflicts in the Persian Gulf Region?: *Heliyon*, v. 7, no. 2, p. e06288.
11. Toorani, M., Kakroodi, A., Yamani, M., and **Beni, A. N.**, 2021, Monitoring shoreline shift under rapid sea-level change on the Caspian Sea observed over 60 years of satellite and aerial photo records: *Journal of Great Lakes Research*. <https://doi.org/10.1016/j.jglr.2021.02.006>
12. Pourkerman, M., Marriner, N., Morhange, C., Djamali, M., Lahijani, H., Amjadi, S., Vacchi, M., Jelodar, M. E., Spada, G., and Tofighian, H., **Naderi Beni, A.**, 2021, Late Holocene relative sea-level fluctuations and crustal mobility at Bataneh (Najirum) archaeological site, Persian Gulf, Iran: *Geoarchaeology*.
13. Djamali, M., Rashidian, E., Askari-Chaverdi, A., Aubert, C., Brisset, E., Demory, F., Faucherre, N., Gandouin, E., Lahijani, H., Marriner, N. and **Naderi-Beni, A.**, 2021, Early Sasanian landscape modification: New geoarchaeological evidence from the Ardashir Pond in southwest Iran (Palace of Ardashir, third century CE). *Geoarchaeology*.
14. Saeidi Ghavi Andam, S., Djamali, M., Nelle, O., **Naderi Beni, A.**, Haghighifard, M., Brisset, E. and Poschlod, P., 2021, Vegetation history of the Maharlou Lake basin (SW Iran) with special reference to the Achaemenid period (550–330 bc). *Vegetation History and Archaeobotany*, 30(5), pp.595-610.
15. **Naderi-Beni, A.**, Lahijani, H., Tofighian, H., Guibal, F., Kabiri, K., Gambin, T., Djamali, M., Abaie, H., and 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*, v. 34, p. 102582.
16. Ponel, P., Djamali, M., Bordat, P., Jäch, M., Keith, D., Lahijani, H., Magnien, P., Matocq, A., **Naderi Beni, A.**, Platia, G., & Pourkhorsandi, H., 2020, On the footsteps

- of Théodore Monod: biogeographical and ecological implications of an insect assemblage from the hottest spot on earth (in central Lut Desert, SE Iran), *Biodiversity Journal*, 11 (3), 781–792.
17. Pourkerman, M., Marriner, N., Morhange, C., Djamali, M., Spada, G., Amjadi, S., Vacchi, M., Lahijani, H., Jelodar, M. E., and Tofighian, H., **Naderi Beni, A.** 2020, Geoarchaeology as a tool to understand ancient navigation in the northern Persian Gulf and the harbor history of Siraf: *Journal of Archaeological Science: Reports*, v. 33, p. 102539.
  18. Lahijani, H. A., **Beni, A. N.**, Tudryn, A., Hosseindoust, M., Habibi, P., and Pourkerman, M., 2019, Unraveling extreme events from deep water cores of the south Caspian Sea: *Quaternary International*.
  19. Leroy, S., Amini, A., Gregg, M., Marinova, E., Bendrey, R., Zha, Y., **Beni, A. N.**, and Nashli, H. F., 2019, Human responses to environmental change on the southern coastal plain of the Caspian Sea during the Mesolithic and Neolithic periods: *Quaternary Science Reviews*, v. 218, p. 343-364.
  20. Aubert, C., Djamali, M., Jones, M., Lahijani, H., Marriner, N., **Naderi-Beni, A.**, Sharifi, A., Ponel, P., and Gandouin, E., 2019, A major hydrobiological change in Dasht-e Arjan Wetland (southwestern Iran) during the late glacial–early Holocene transition revealed by subfossil chironomids: *Canadian Journal of Earth Sciences*, v. 56, no. 8, p. 848-856.
  21. Bagheri, H., and **Naderi Beni, A.**, 2019, Reconstruction of Sea Level Changes using Magnetic Susceptibility Variations in Southeastern Caspian Sea: *Journal of Oceanography*, v. 10, no. 37, p. 11-21.
  22. Sharifi A, Murphy LN, Pourmand A, Clement AC, Canuel EA, Naderi Beni A, Lahijani HA, Delanghe D, Ahmady-Birgani H., 2018, Early-Holocene greening of the Afro-Asian dust belt changed sources of mineral dust in West Asia. *Earth and Planetary Science Letters*. 1, 30-40.
  23. Gurjazkaite, K., Routh, J., Djamali, M., Vaezi, A., Poher, Y., **Beni, A. N.**, Tavakoli, V., and Kylin, H., 2018, Vegetation history and human-environment interactions through the late Holocene in Konar Sandal, SE Iran: *Quaternary Science Reviews*, v. 194, p. 143-155.
  24. Hoseini, Z. S., Khaledi, S., and **Naderi Beni, A.**, 2018, Paleoclimate reconstruction of Dasht-e Arzhan basin using sedimentological proxies, *Journal of Applied researches in Geographical Sciences*, 18 (49), p. 187-198.
  25. Vaezi, A., Ghazban, F., Tavakoli, V., Routh, J., **Beni, A. N.**, Bianchi, T. S., Curtis, J. H., and Kylin, H., 2018, A Late Pleistocene-Holocene multi-proxy record of climate variability in the Jazmurian playa, southeastern Iran: *Palaeogeography, Palaeoclimatology, Palaeoecology*.
  26. Djamali, M., Gondet, S., Ashjari, J., Aubert, C., Brisset, E., Longerey, J., Marriner, N., Mashkour, M., Miller, N. F., and **Naderi-Beni, A.**, 2018, Karstic spring wetlands of the Persepolis Basin, southwest Iran: unique sediment archives of Holocene environmental change and human impacts: *Canadian Journal of Earth Sciences*, v. 55, no. 10, p. 1158-1172.

27. Leroy, S. A., Chalieu, F., Wesselingh, F. P., Sanjani, M. S., Lahijani, H. A., Athersuch, J., Naderi Beni, A., and Arpe, K., 2018, Multi-proxy indicators in a Pontocaspian system: a depth transect of surface sediment in the SE Caspian Sea: *Geologica Belgica*, v. 21, p. 3-4.
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29. Shah-Hosseini, M., Ghanavati, E., Morhange, C., **Beni, A. N.**, Lahijani, H. A., and Hamzeh, M. A., 2018, The evolution of Chabahar beach ridge system in SE Iran in response to Holocene relative sea level changes: *Geomorphology*, v. 318, p. 139-147.
30. Lahijani, H., Hedieh, H., **Naderi-Beni, A.**, Leroy, S., Habibi, P., Haghani, S., Hosseindost, M., 2018. Sediment distribution pattern of South Caspian Sea: possible hydroclimatic implications: *Canadian Journal of Earth Sciences*, Accepted Manuscript.
31. Alizadeh, H., Amjadi, S., Pourkerman, M., **Naderi-Beni, A.**, Hosseindost, M., Habibi, P., 2018. Makran continental margin sedimentation during Late Holocene: *Canadian Journal of Earth Sciences*, Accepted Manuscript.
32. Modarres, M., Lahijani, H., Keshavarz Farajkhah, N., Lahaye, Y., Rehfeld, K., Manttari, I., **Naderi-Beni, A.**, Ojala, A., Moradpour, M., 2018. Late Tortonian - Piacenzian multi-proxy record of Asian southwest monsoon intensification: Evidence from Coastal Makran, SE Iran. *Canadian Journal of Earth Sciences*, Accepted Manuscript.
33. Aubert C, Brisset E, Djamali M, Sharifi A, Ponel P, Gambin B, Azirani TA, Guibal F, Lahijani H, **Naderi-Beni A**, de Beaulieu JL., 2017, Late glacial and early Holocene hydroclimate variability in northwest Iran (Talesh Mountains) inferred from chironomid and pollen analysis. *Journal of Paleolimnology*. 58(2), 151-167.
34. Lahijani, H., **Naderi Beni, A.** and Tavakoli, V., 2017. Heavy Metals in Coastal Sediments of South Caspian Sea: Natural or Anthropogenic Source?, *CJES*, 15, 3
35. Mehterian, S., Pourmand, A., Sharifi, A., Lahijani, H. A., **Naderi, M.**, and Swart, P. K., 2017, Speleothem records of glacial/interglacial climate from Iran forewarn of future Water Availability in the interior of the Middle East: *Quaternary Science Reviews*, v. 164, p. 187-198.
36. Gerivani, H., **Naderi Beni, A.**, Pourkerman, M., Amjadi, S., 2017. Effect of Organic and Carbonate Content on Liquid and Plastic Limits of Seabed Soils in the Northern Persian Gulf, *Joc* 2017, 8(29), 9-15
37. Pourkerman M, Amjadi S, **Naderi-Beni A**, Lahijani H, Mehdinia A., 2017, Evaluation of metal contamination in the Mand River delta, Persian Gulf. *Marine pollution bulletin*, 119(2):261-7.
38. Lahijani HA, Leroy SA, **Naderi Beni A**, Kazanci N, Gürbüz A., 2016. QuickLakeH: Rapidly changing large lakes and human response. *Quaternary International*.
39. Hamzeh MA, Gharaie MH, Lahijani HA, Djamali M, Harami RM, **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. *Quaternary International*.
40. Hamzeh, M.A., Mahmudy-Gharaie, M.H., Alizadeh-Lahijani, H., Moussavi-Harami, R., Djamali, M. and Naderi-Beni, A., 2016, Paleolimnology of Lake Hamoun (e Iran): Implication for Past Climate Changes and Possible Impacts on Human Settlements. *Palaios*, 31(12), pp.616-629.
  41. Hoseini, Z. S., Khaledi, S., and Naderi Bani, A., 2016, Paleoclimate reconstruction and vegetation dynamic during Pleistocene and Holocene based on palynology at Dasht E Arzhan wetland, Southwest Iran: *Journal of Climate Research*, v. 1395, no. 27, p. 87-98.
  42. Safe, A., Sabokkhiz, F., Ramesht, M. H., Djamali, M., and **Naderi, A.**, 2016, Study of clastic sediments and evaporite deposits' changes in a sedimentary core, Lake Maharlou, Iran: *Modern Appl Sci*, v. 10, no. 4, p. 1.
  43. Sharifi A, Pourmand A, Canuel EA, Ferer-Tyler E, Peterson LC, Aichner B, Feakins SJ, Daryaee T, Djamali M, **Naderi Beni N**, Lahijani HA. 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, 215-30.
  44. Haghani S, Leroy SA, Khdir S, Kabiri K, **Naderi Beni A**, Lahijani HA., 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*. 2015: 0959683615596835.
  45. Djamali, M., Jones, M.D., Migliore, J., Balatti, S., Fader, M., Contreras, D., Gondet, S., Hosseini, Z., Lahijani, H., **Naderi Beni, A**, Shumilovskikh, L.S., 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. *Vegetation History and Archaeobotany*, 1-15.
  46. **Naderi Beni, A.**, Lahijani, H., Pourkerman, M., Jokra, R., Djamali, M., Marriner, N., Andrieu-Ponel, A., Kamkar, A., 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*, 5, 27-48 pp.
  47. **Naderi Beni, A.**, Lahijani, H., Pourkerman, M., Jokra, R., Hosseindoust, M., Djamali, M., Andrieu-Ponel, A., Marriner, N., 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, *Journal of Mediterranean Geography*, 122, pp 145-155.
  48. Kakar, D. M., Naeem, G., Usman, A., Hasan, H., Lohdi, H. A., Srinivasalu, S., Andrade, V., Rajendran, C., **Beni, A. N.**, and Hamzeh, M. A., 2014, Elders Recall an Earlier Tsunami on Indian Ocean Shores: *Eos, Transactions American Geophysical Union*, v. 95, no. 51, p. 485-486.
  49. Hamzeh, M., Shah-hosseini, M., and **Naderi Beni, A.**, 2013. Effect of fishing vessels on trace metal contamination in sediments of three harbors along Iranian Oman Sea coast. *Environmental monitoring and assessment* 185 (2), 1791-1807.

50. Kakroodi, A., Kroonenberg, S., **Naderi Beni, A.**, and Noehgar, A, 2013. Short-and Long-Term Development of the Miankaleh Spit, Southeast Caspian Sea, Iran. *Journal of Coastal Research*, 30 (6), 1236-1242.
51. **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*, 9, 1645-1665.
52. **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, 11-26.
53. Rajendran, C. P., Rajendran, K., Shah-Hosseini, M., **Naderi Beni, A.**, Nautiyal, C. M. and Andrews. R., 2013. The hazard potential of the western segment of the Makran subduction zone, northern Arabian Sea. *Natural Hazards*, 65 (1), 219-239.
54. Leroy, S., Lahijani, H., Djamali, M., Naginezhad, A., Moghadam, M., Arpe, K., Shah – hosseini, M., Hosseindoust, M., Miller, Ch.,Tavakoli, V., Habibi, P., **Naderi, M.**, 2011, Late Little Ice Age palaeoenvironmental records from the Anzali and Amirkola Lagoons (South Caspian Sea): Vegetation and Sea level changes, *Palaeogeography, Palaeovlimatology, Palaeoecology*, 302, 415-434.
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### *Conferences and Workshops*

1. Salaree, A., Spica, Z., Huang, Y. and **Naderi Beni, A.**, 2022, December. Application of divers' underwater videos in hazard warning: The 2022 earthquake sequence in the Persian Gulf region. In *AGU Fall Meeting Abstracts* (Vol. 2022, pp. NH32B-08).
2. Brisset, E., Djamali, M., Ricci, A., Balatti, S., **Beni, A. N.**, Azadi, A., and Firoozbakhsh, P., 2021, Facing water shortages in ancient Iran: new evidence from sedimentary records of the Southern Zagros and historical insights, *12th International Congress on the Archaeology of the Ancient Near East (ICAANE): Bologna, Italy*.
3. Ricci, A., Balatti, S., Azadi, A., Brisset, E., Djamali, M., and **Beni, A. N.**, 2020, Interdisciplinary approaches to the study of resilience in the high mountains of the Southern Zagros: potential, challenges and limitations, in *Proceedings Concepts of resilience for the study of premodern societies2020*.

4. **Naderi Beni, A.**, and Afzali, I., Evidence of the Holocene volcanic eruptions in a Caspian deep sea sediment core, *3rd Plenary Conference and Field Trip of INQUA IFG 1709F Ponto-Caspian Stratigraphy and Geochronology, 11 -18 October 2019, Tehran, Iran.*
5. Brisset, E., Djamali, M., **Beni, A. N.**, Kazuyo, T., Borschneck, D., Pourkermani, M., and Bard, E., 2017, Holocene palaeoclimate variability in south-western Asia highlighted by the Lake Maharlou sediments (Iran) and potential implications for human adaptive strategies, *in Proceedings 5th Open Science Meeting PAGES2017.*
6. Brisset, E., Djamali, M., **Beni, A. N.**, Kazuyo, T., Borschneck, D., Pourkermani, M., and Bard, É., 2016, Assessing the centennial-scale hydrological variability of Lake Maharlou (SW Iran) over the last 3500 years using sedimentological and geochemical analysis, *in Proceedings Journées Climat et Impacts 2016.*
7. Lahijani, H., Abbassian., H., Naderi Beni, A., 2016. Analysis of South Caspian deep sedimentation from marine cores, IGCP 610 From the Caspian to Mediterranean: *Environmental Change and Human Response during the Quaternary, Tbilisi, Georgia, 2-9 October 2016.*
8. Pourmand, A., Sharifi, A., Goes, L., Clement, A., Canuel, E., **Naderi Beni, A.**, and Ahmady-Birgani, H., 2016, How Early Holocene Greening of the Afro-Asian Dust Belt Changed Sources of Mineral Dust in West Asia, *in Proceedings AGU Fall Meeting Abstracts2016, Volume 2016, p. A14C-06.*
9. Aubert, C., Djamali, M., Guibal, F., Lahijani, H., **Beni, A. N.**, Pourmand, A., Sharifi, A., Thiery, A., Ponel, P., and Gandouin, E., 2016, Hydroclimatic changes in Talesh Mts, NW Iran, during the last 15,000 years, based on a chironomid analysis, *in Proceedings Sfécologie 2016, International Conference on Ecological Sciences2016.*
10. Lahijani, H., Abbasian, H., and **Naderi Beni, A.**, 2016, Analysis of south Caspian deep sedimentation from marine cores, *in Proceedings Plenary Conference2016, p. 108.*
11. **Naderi Beni, A.**, Afarin, M., 2015. The 1945 Makran tsunami and its impacts on Iranian coast: an interview report
12. Fritz, H. M., and **Beni, A. N.**, Comparison between the 2007 Cyclone Gonu Storm Surge and the 2004 Indian Ocean Tsunami in Oman and Hormozgan, Iran. Fifth *International Conference on Estuaries and Coasts (ICEC2015), November 2-4, 2015, Muscat, Oman.*
13. Lahijani, H., Mehdinia, A., Saleh, A., and **Naderi, A.**, 2015, Persian Gulf and Gulf of Oman Oceanographic Studies: First Cruise, *IIOE-2. 2015 Dec:4,India, p. 4.*
14. Lahijani, H., and **Naderi, A.**, 2015, The impacts of rapid sea-level fluctuations on accumulative coasts with different geomorphological settings along the south Caspian shores, *in Proceedings IGCP 610 Third Plenary Conference and Field Trip "From the Caspian to Mediterranean: Environmental Change and Human Response during the Quaternary" 22-30 September 2015, Astrakhan, Russia. Proceedings/Ed.: A. Gilbert, V. Yanko-Hombach, T. Yanina. Moscow, MSU, 2015, 220 p.2015, p. 117.*
15. Lahijani, H., **Naderi Beni, A.**, Djamali, M., Hosseindoost, M., and Pourkerman, M., 2014, Lacustrine records of the Holocene paleoclimate of Iran, *Plaeolimnology of the Northern Eurasia, 21–25 September 2014, Petrozavodsk, Russia.*

16. **Naderi Beni, A.**, Lahijani, H., Moussavi Harami, S. R., and Leroy, S., 2013, Late Little Ice Age highstand in the Caspian Sea and its impacts on the morphology of Sefidrud Delta in central Gilan, in *Proceedings Rapidly Changing Large Lakes 33 and Human Response 2013*.
17. **Naderi Beni, A.**, Moussavi Harami, S. R., Lahijani, H., and Mahboubi, A., 2013, The magnetic susceptibility behavior along two cores in Hassangholi Bay, eastern flank of the Caspian Sea and their interpretation for the sea level changes, in *Proceedings Rapidly Changing Large Lakes and Human Response 2013*.
18. Sharifi, A., Pourmand, A., Canuel, E. A., Ferer-Tyler, E., Peterson, L. C., Aichner, B., Feakins, S. J., Daryaee, T., Djamali, M., and **Naderi Beni, A.**, 2014, Holocene Abrupt Climate Change Over NW Iran: The Hand That Rocked The Cradle Of Civilization?, in *Proceedings AGU Fall Meeting Abstracts 2014, Volume 2014, p. PP24B-08*.
19. Sharifi, A., A. Pourmand, E. A. Canuel, **A. Naderi Beni**, and H. A. Lahijani. 2013. A 2400-year record of abrupt climate change from Almalou Crate Lake in NW Iran: Investigating the potential influence of solar variability on the climate of West Asia during late Holocene. *AGU Fall Meeting, 9–13 December 2013, San Francisco, California, United States of America*.
20. Shah-hosseini, M, Morhange, C, **Naderi Beni, A.**, Anthony, E., 2013. Evolution of Chabahar strandplain on the Iranian coast of Makran with Application of Ground penetrating Radar (GPR). *8<sup>th</sup> International Conference on Geomorphology (AIG), 21-27 September 2013, Paris, France*
21. Rajendran, C.P. Majid Shah-hosseini, **Abdolmajid Naderi Beni**, Anil Earnest, Kusala Rajendran, Mona Lisa, 2010. The Earthquake Potential of the Western Makran: An Interpretation based on the Geological and Seismological Inferences. *American Geophysical Union, Chapman Conference on Giant Earthquakes and their Tsunamis, May 16-24, 2010, Chile*
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24. Lahijani, H., Shah-hosseini, M., Akbarpour, M., **Beni, N. A.**, and Morhange, C., 2010, Potential inundation areas for tsunami and surges in Makran coast, Iran: *International Multidisciplinary Scientific GeoConference: SGEM, v. 2, p. 127.*

### *Books and Book Chapter*

1. Biglari, F., Nokandeh, J., **Naderi Beni, A.**, and Hozhabri, A., 2020, Human and Sea: a review of thousands of years of relationship between the Humans and the Sea, Tehran, National Museum of Iran, 205 p.
2. Lahijani, H.A.K., Rostamabadi, S., Naderi Beni, A., Shirzade, M., Barin, M., 2020. Sediment Distribution Pattern in Lake Urmia. In: *The Handbook of Environmental Chemistry*. Springer, Berlin, Heidelberg. [https://doi.org/10.1007/978-3-662-60742-2\\_674](https://doi.org/10.1007/978-3-662-60742-2_674)



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4. Shumilovskikh, L., Djamali, M., Andrieu-Ponel, V., Ponel, P., de Beaulieu, J.-L., **Naderi-Beni, A.**, and Sauer, E. W., 2017, Palaeoecological insights into agri-horticultural and pastoral practices before, during and after the Sasanian Empire, ed(s): Sauer E. W., Sasanian Persia: between Rome and the Steppes of Eurasia, 2nd edn. Edinburgh University Press, Edinburgh, p. 51-73.

### *Scientific Reports*

1. **Naderi Beni, A.**, 2021. Extracting evidence of maritime and climatic hazards from Persian historical documents. *Iranian National Institute for Oceanography and Atmospheric Science*, Tehran, Iran.
2. **Naderi Beni, A.**, Lahijani H., Fallahzadeh, M., 2017. Geoarchaeology of ancient ports of Iran. *Ports and Maritime Organization*, Iran.
3. Chegini, V., Rezaei, H., Mehdinia, A., **Naderi Beni A.**, 2017. Environmental monitoring and marine data processing of the Persian Gulf. *Iranian National Institute for Oceanography and Atmospheric Science*, Tehran, Iran.
4. Lahijani, H., **Naderi Beni, A.**, 2016. Environmental Monitoring of the Iranian Internal Lakes. *Iranian National Institute for Oceanography and Atmospheric Science*, Tehran, Iran.
5. Molavi, M., **Naderi Beni A.**, 2015. Climatic data analysis of Persian Gulf, *Iranian National Institute for Oceanography and Atmospheric Science*, Tehran, Iran.
6. Lahijani, H., **Naderi Beni, A.**, 2014. Environmental Monitoring and Data Processing of the Caspian Sea. *Iranian National Institute for Oceanography and Atmospheric Science*, Tehran, Iran
7. Bagheri H., **Naderi Beni, A.**, 2015. Textural and mineralogical changes of the sediments along the south Caspian shoreline. *Iranian National Institute for Oceanography and Atmospheric Science*, Tehran, Iran.
8. Lahijani H., **Naderi Beni, A.**, 2009. Studying the Holocene coastal deposits in Central Gilan. *Iranian National Institute for Oceanography and Atmospheric Science*, Tehran, Iran.
9. Lahijani, H and **Naderi Beni, A.**, 2007, National report on climate change in Iran: Vulnerability and adaption in coastal area, part I: Current Status, *The national climate change office, Department of Environment*. Iran
10. Lahijani, H and **Naderi Beni, A.**, 2008, National report on climate change in Iran: Vulnerability and adaption in coastal area, part II: Vulnerability and Adaptation, *The national climate change office, Department of Environment.*, Iran
11. **Naderi Beni, A.**, 2008, Climate observing system in Iran and developing an action plan for improved climate monitoring systems: A national report on GCOS (Global Climate Observing System). *Atmospheric Science and Meteorological Research Center*, Tehran, Iran.

## FUNDING HISTORY

### *Research proposals funded*

- Center for International Scientific Studies & Collaboration (CISSC)-ICARD Program. *Hydroclimatic variations in southern Iran during the Holocene: a study of the sediments of Lake Mehregan, the southernmost lake in Iran on the shores of the Persian Gulf* (PI).  
Amount Awarded: 700,000,000 IRR (2,000 US\$), Period: 2022-2023
- Iran National Science Foundation (INSF) and Japan Society for the Promotion of Science (JSPS). *Revisiting Lake Zeribar (W Iran) to model the hydroclimatic imprint on socio-cultural development in the eastern Fertile Crescent since the dawn of agriculture* (PI).  
Amount Awarded: ~40.000 US\$, Period: 2022-2024
- Ports and Maritime Organization of Iran, Development of Maritime Culture. *The maritime cultural heritage of Iran: studying the Qoroq ancient shipwreck on the southern Caspian shores* (PI).  
Amount Awarded: 2,500,000,000 IRR (~50,000 US\$), Period: 2019-2020
- Ports and Maritime Organization of Iran, Development of Maritime Culture. *Geoarchaeology of Iran's ancient ports* (PI).  
Amount Awarded: 1,800,000,000 IRR (~45,000 US\$), Period: 2017-2018
- Iran National Science Foundation (INSF). Project No. 94014181, 2016. *Ancient harbors of the Persian Gulf: benchmarks of the past environmental changes* (PI).  
Amount Awarded: 250.000.000 IRR (~6500 US\$), Period: 2016-2017
- Postdoctoral fellowship award, French National Center for Scientific Research (CNRS). *Palaeo-temperature and palaeo-productivity of the Persian Gulf during the Holocene based on stable isotope geochemistry* (PI).  
Amount Awarded: 11928 Euro Period: 2017
- Center for International Scientific Studies & Collaboration (CISSC), Gundishapur Program. *Marine geoarchaeological study of the Persian Gulf: Human response to environmental changes/natural disasters in Siraf ancient port* (PI).  
Amount Awarded: 200.000.000 IRR (~6200US\$), Period: 2015-2016.
- Department of Environment, IPCC National Report. *The Status of Global Climate Observing System in I.R.Iran, Oceanographic Observations* (PI)..  
Amount Awarded: 90.000.000 IRR (~3000 US\$), Period: 2009-2010.
- Department of Environment, UNFCCC National Report on Climate Change; *working group on vulnerability assessment and adaptation plans in coastal areas* (co-PI).  
Amount Awarded: 90.000.000 IRR (~3000 US\$), Period: 2015-2016.
- Islamic Republic Of Iran Presidency. *Capacity building on ocean sciences* (PI). 2011

- POGO- SCOR- IOC Visiting fellowship on Oceanographic Data and information Management- Hamburg, Germany, August- September 2003

## **SYNERGISTIC ACTIVITIES**

### *Reviewer for manuscripts*

Science, Environmental Monitoring and Assessment (EMAS), Groundwater for Sustainable Development, Geopersia, Applied Sedimentology, Journal of Animal Environment, Journal of Persian Gulf, Journal of Oceanography, Quaternary Journal of Iran, National Biennial Conference on Geology of Alborz Orogen and Caspian Sea, National and International Geosciences Congress.

### *Peer Review Grant Proposal and Books*

NWO Talent Programme – Veni scheme, Iran National Science Foundation (INSF)- Research Grant Section, Center for International Scientific Studies & Collaboration (CISSC)- ICARD, Annual National Book Festival for Students, Islamic Encyclopedia (Agriculture, Maritime).

### *Organizing Research Cruises and International Field Operation*

1. UNESCO-IOC field workshop on geologic assessment of Makran tsunami hazards, Makran coast, Iran, September 2010
2. Research Cruise Organizer: Oceanography Training Course. 15-23 Feb 2012, Boushehr, Iran. Iranian National Institute for Oceanography (INIO).
3. Cruise organizer of the Persian Gulf and Gulf of Oman Oceanographic Study (PGGOOS) research cruise, October 2012-September 2013.
4. 3rd Plenary Conference and Field Trip of INQUA IFG 1709F Ponto-Caspian Stratigraphy and Geochronology, 11-18 October 2019

## **PROFESSIONAL MEMBERSHIPS**

1. Iranian Association of Marine Science and Technology (2000- up to now)
2. Sedimentological Society of Iran