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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. Gerivani, H., **Naderi Beni, A.**, Lahijani, H., Leroy, S., 2024. Environmental history of the south Caspian Sea basin and its relation to the Siberian High dynamics since 14,000 years ago. *Marine Geology*, <https://doi.org/10.1016/j.margeo.2024.107356>.
2. Lahijani, H. A., Ghaffari, P., Leroy, S. A., **Beni, A. N.**, Yakushev, E. V., Abtahi, B., Saleh, A., and Behraves, M., 2024, A note on the silent decline of the Caspian environment: *Marine Pollution Bulletin*, v. 205, p. 116551.
3. Vaezi, A., Djamali, M., Skandari, N., Tavakoli, V., and **Naderi Beni, A.**, 2024, The Influence of Paleoclimatic Variability on the Rise and Fall of Iranian Dynasties and Ancient Cultures in Southeastern Iran from the 2nd Millennium BCE to the Sassanid Period: *Parseh Journal of Archaeological Studies*, v. 8, no. 27, p. 59-80.

4. **Beni, A. N.**, Leduc, G., Djamali, M., Sharifi, A., Marriner, N., Tachikawa, K., Rostek, F., Tjallingii, R., Lahijani, H., and Arabshahi, M. M., 2024, Postglacial flooding and Holocene climate shifts in the Persian Gulf: *Journal of Quaternary Science*, v. 39, no. 4, p. 592-607.
5. **Beni, A. N.**, Tofighian, H., and F. Kelishomi, M., 2024, Geoarchaeological insights into ancient ports of the northern Persian Gulf: A vanishing heritage: *The Journal of Island and Coastal Archaeology*, p. 1-28.
6. Hamzeh, M. A., **Beni, A. N.**, Lahijani, H. A., Mehdinia, A., Aghadadashi, V., and Koochaknejad, E., 2024, Reconstruction of the sedimentary environment of Nayband Bay during the last 1600 years; implications for relative sea level and climate change in Northern Persian Gulf: *Marine Micropaleontology*, v. 186, p. 102321.
7. **Naderi Beni, A.**, 2023. Revisiting Zeribar Lake Sediments: Effects of Climate Change on Human Development in Zagros. *Journal of Pars Arian Territories*, 1, 9-36, doi.org 10.61186/jpat.2024.1.4.
8. 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.
9. 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.
10. Vaezi, A., Tavakoli, V., and **Naderi Beni, A.**, 2023. Paleoclimate reconstruction in Jiroft during the late Holocene. *Scientific Quarterly Journal of Geosciences*
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. **Naderi Beni, A.**, Djamali, M., 2022, Disturbances in the Holocene sedimentary sequence in the Persian Gulf, *Applied Sedimentology* [In Persian].
17. **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.
18. 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>
19. 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*.
20. 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*.
 21. Saeidi Ghavi Andam, S., Djamali, M., Nelle, O., **Naderi Beni, A.**, Haghhighifard, 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.
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 23. 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.
 24. 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.
 25. 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*.
 26. 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.
 27. 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.
 28. 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.
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 31. 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.

32. 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*.
33. 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.
34. Leroy, S. A., Chalief, 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.
35. Pourkerman, M., Marriner, N., Morhange, C., Djamali, M., Amjadi, S., Lahijani, H., **Beni, A. N.**, Vacchi, M., Tofighian, H., and Shah-Hoesseini, M., 2018, Tracking shoreline erosion of "at risk" coastal archaeology: the example of ancient Siraf (Iran, Persian Gulf): *Applied Geography*, v. 101, p. 45-55.
36. 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.
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38. 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.
39. 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.
40. 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.
41. 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
42. 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.
43. 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
44. 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.
45. Lahijani HA, Leroy SA, **Naderi Beni A**, Kazanci N, Gürbüz A., 2016. QuickLakeH: Rapidly changing large lakes and human response. *Quaternary International*.
46. Hamzeh MA, Gharaiie 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*.
47. 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.
 48. Hoseini, Z. S., Khaledi, S., and **Naderi Beni, 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.
 49. 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.
 50. 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.
 51. 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.
 52. 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.
 53. **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.
 54. **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.
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 57. 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.
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changes during the last millennium: historical and geological evidence from the south Caspian Sea., *Climate of the Past*, 9, 1645-1665.

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60. 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.
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62. 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.
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65. Valizadeh, M.V. and **Naderi, Beni A.**, 2005. Petrography & geochemical evidence for alkaline metasomatism in the genesis of Hassan-Robat intrusion, *Peyk noor Oloom quarterly*.

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 societies 2020*.
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, E., 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*.
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 11. **Naderi Beni, A.**, Afarin, M., 2015. The 1945 Makran tsunami and its impacts on Iranian coast: an interview report
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 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*.
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 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*.
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پروژه های بین المللی و ارتباط با صنعت

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- 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).
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- 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)..
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- 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

سایر فعالیت های علمی

داوری مقالات برای نشریه های:

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.

داوری طرح ها و کتابها

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).

برگزاری کارگاهها و عملیات میدانی

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

عضویت در مجامع تخصصی

1. Iranian Association of Marine Science and Technology (2000- up to now)
2. Sedimentological Society of Iran
- 3.