

Personal:

Name: Habib

Family Name: Hakimzadeh

Birth Date: Oct. 1961

Status: M

Position: Professor of Coastal Engineering

Address: Faculty of Civil Engineering, Sahand University of Technology,

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Professional Experience:

Coastal Engineering

Education:

- Ph.D. Coastal Engineering, Bradford University, UK, 1997.

Thesis: Turbulence Modelling of Tidal Currents in Rectangular Harbours

- M.Sc. Hydraulic Structures, Tabriz University, Iran ,1991.

Thesis: Numerical and Experimental Investigation of Buckling of Plates

- B.Sc. Civil Engineering (Water), Tabriz University, Iran ,1988.

Interests:

Numerical Simulation of Flow and Sediment Transport,

Turbulence Modelling,

Reservoir Sedimentation,

Scour Hydraulics,

Dam Breach

Language:

Turkish, Persian, English

Teaching Experience:

In B.Sc:-

- 1.Numerical Computations
- 2.HYdraulics

In M.Sc:-

- 1.Fundamentals of Marine Hydraulics
- 2.Numerical Methods in Marine Engineering
- 3.Coastal Engineering
- 4.Computational Fluid Dynamics

In Ph.D:-

- 1.Advanced Hydrodynamic
- 2.Hydraulics Structures
- 3.Computational Hydraulics
- 4.Turbulence Theory
5. Sediment Transport

Awards and Distinctions:

First-Rank in B.sc.

Selected Book in Iranian Water Engineering Festival (IWEF)

Selected Paper in 11th International Marine Industries Conference

Selected Paper in 6th International Offshore Industries Conference

Selected Project in 4th Marine Festival

Memberships:-

- 1- Iranian Association of Naval Architecture and Marine Engineering**
- 2- Iranian Hydraulic Association**
- 3- Iranian Association of Coastal Engineering and Marine Structures**

Publications:

JCR & Scopus Indexed

JCR

1. Hakimzadeh, H. "Second-Order Closure Study of River-Harbour Flow", Iranian Journal of Science and Technology, University of Shiraz, 2004, No. B5-28, pp. 573-581.
2. Hakimzadeh, H. and Falconer R.A, "Layer Integrated Modelling of Three Dimensional Recirculation Flows in Model Tidal Basins", Journal of Waterway, Port, Coastal and Ocean Engineering, ASCE, September/October 2007, Volume 133, Issue 5, pp. 324-333.
3. Nourani, V., Hakimzadeh, H. and Babaeyan Amini, A., "Implementation of Artificial Neural Network Technique in Simulation of Dam Breach Hydrograph", Journal of Hydroinformatics, IWA Publishing, 2012, Volume 12, No. 2, pp. 478-496.
4. Mahmoudi, A., Hakimzadeh, H. and Ketabdari, M.J. "Simulation of Wave Propagation over a Submerged Breakwater on a Sloped Bed by SPH Method", International Journal of Offshore and Polar Engineering, Vol. 23, No.4, December 2013, pp. 286-291.
5. Hakimzadeh, H., Nourani, V. and Babaeyan Amini, A., "Genetic Programming Simulation of Dam Breach Hydrograph and Peak Outflow Discharge", Journal of Hydrologic Engineering, ASCE, April 2014, Vol. 19, No. 4, pp. 757-768.
6. Soleiman Beygi, N., Hakimzadeh, H., and Chenaghloou, M.R., "Simulation of Free Surface Flows Using Volume of Fluid Method and Genetic Algorithm", Journal of Hydroinformatics, IWA Publishing, 2014, Vol. 16, No. 5, pp. 1110-1124.
7. Aghaee Shalmani, Y. and Hakimzadeh, H., "Experimental Investigation of Scour around Semi-Conical Piers under Steady Current Action", European Journal of Environmental and Civil Engineering, 2015, Vol. 19, Issue 6, pp. 717-732.
8. Aghaee Shalmani, Y. and Hakimzadeh, H., "Numerical Modeling of 2D and 3D Flows Using Artificial Compressibility Method and Collocated Mesh", Journal of Applied Fluid Mechanics, 2016, Vol. 9, No.5, pp. 2333-2345.
9. Mehrzad, R., Hakimzadeh, H. "Experimental Investigation on the Effects of Slotted Cone-Shaped Piers on Scour Reduction Due to Steady Flows", International Journal of Offshore and Polar Engineering, 2017, Vol.27, No.3, pp. 318-325.
10. Kardan, N., Hakimzadeh, H. and Hassanzadeh, Y. "Investigation of the Dynamics Bed Shear Stress Distribution around a Circular Cylinder Using Various Turbulences Models", Engineering Journal, 2017, Vol. 21, No. 7, pp. 75-86.
11. Kardan, N., Hakimzadeh, H. and Hassanzadeh, Y. "The Effect of Combined Countermeasures on Main Local Scouring Parameters Using Physical Models", Arabian Journal of Geosciences, 2017, Vol. 10: 516.
12. Sadeghi, S., Hakimzadeh, H. and Babaeyan Amini, A., "Experimental Investigation into Outflow Hydrographs of Nonhomogenous Earth Dam Breaching due to Overtopping", Journal of Hydraulic Engineering, ASCE, January 2020, Vol. 146, No. 1, 04019049 (1-13).

13. Asrari, S., Hakimzadeh, H. and Kardan, N., "Investigation on the Local Scour Beneath Piggyback Pipelines Under Clear-Water Conditions", *China Ocean Engineering.*, 2021, Vol. 35, No. 3, P. 422–431.
14. Aghaee Shalmani, Y. and Hakimzadeh, H., "Large Eddy Simulation of Flow around Semi-Conical Piers Vertically Mounted on the Bed", *Environmental Fluid Mechanics*, 2022, Vol. 22.
15. Hosseini, D., Hakimzadeh, H., "Experimental Investigation of Scour beneath a Pipeline Due to Tidal Currents in a Strait", *Marine Georesources & Geotechnology*, accepted, in press.

Scopus

16. Mahmoudi, A., Hakimzadeh, H., Ketabdari, M.J., Abyn, H. "A Modified Wavemaker Boundary Condition for a Numerical Wave Tank Based on the WCSPH Method", *Jurnal Teknologi*, 2016, Vol. 78, No.8, pp. 117-123.

ISC & Research Indexed

17. Hakimzadeh, H. and Keynejad, M.A., "Numerical Model Study of Tidal Circulation in Rectangular Harbours Using the K-E Turbulence Model", *Journal of Faculty of Engineering, University of Tabriz*, 1998, No. 20, pp. 51-58. (in Persian)
18. Hakimzadeh, H., "Simulation of Water Circulation in River Harbours Using the Zero- and Two-Equation Turbulence Models", *Journal of Faculty of Engineering, University of Tabriz*, 2002, No. 27, pp. 1-12. (in Persian)
19. Hakimzadeh, H., "3D Numerical Modelling of Water Circulation in River Harbours Using the Zero- and Two-Equation Turbulence Models", *Journal of Faculty of Engineering, University of Tabriz*, 2005, No. 39, pp. 9-21. (in Persian)
20. Hossieni, D., Hakimzadeh, H. and Ghiassi, R., "Investigation of Local Scour Process around Pipelines Using the Numerical and Physical Models", *Journal of Marine Engineering*, 2006, Volume 3, No. 5, pp. 37-52. (in Persian)
21. Hassanzadeh, Y., Hakimzadeh, H., Alami, M.T. and Sarveram, H., "Investigation of Backwater Effect of a Pier in Subcritical Flows Using the Numerical and Empirical Models", *Journal of Faculty of Engineering, University of Tabriz*, 2008, Volume 36, No.3 (Civil Eng.), pp. 15-22. (in Persian)
22. Mohammadi, R., Hakimzadeh, H., "Investigation of Cross Sectional Shape Effect of the Cylindrical Piers on Scour Process Using a Physical Model", *Journal of Faculty of Engineering, University of Tabriz*, 2008, Volume 37, No.3 (Civil Engineering), pp. 33-43. (in Persian)
23. Keshavarz, M.H., Hakimzadeh, H. and Ghaldarbandi, R., "Three-dimensional Numerical Simulation of Flow Pattern around the Perpendicular and Inclined Groynes with Respect to Various Boundary Conditions", *Journal of Marine Engineering*, 2008-2009, Volume 4, No. 8, pp. 11-24. (in Persian)
24. Omrani, S., Hakimzadeh, H., "Numerical and Empirical Investigation of Flow Separation Phenomenon around Semi-buried Pipelines due to Steady Currents", *Journal of Marine Engineering*, 2008-2009, Volume 4, No. 8, pp. 65-75. (in Persian)
25. Hassanzadeh, Y., Hakimzadeh, H., Sarveram, H. and Delafrooz, H., "Investigation of the Free Surface Profile of a Steady Flow around a Cylindrical Pier Using Numerical Model", *Journal of Hydraulics, Iranian Hydraulic Association*, 2009, Volume 4, No. 2, pp. 59-65. (in Persian)

26. Delavar, A., Hakimzadeh, H. and Chenaghlou, M.R., "Application of the A.N.Ns to Estimate the Reflection and Transmission Coefficients of Pontoon Floating Breakwaters", Journal of Civil and Environmental Engineering, University of Tabriz, 2009, Volume 39, No. 2, pp. 21-31. (in Persian)
27. Mahmoodi, A. Afshin, H., Hakimzadeh, H. and Jalali, D., "Investigation of the Reinforced Concrete Durability in Severe Corrosive Marine Environment According to its Position with Respect to Sea Level", Journal of Marine Engineering, 2009-2010, Volume 5, No. 10, pp. 77-87. (in Persian)
28. Besharati, M.H. and Hakimzadeh, H., "Three-dimensional Numerical Investigation of Flow Pattern and Bed Shear Stress around Conical Piers", Journal of Marine Engineering, 2010, Volume 6, No. 11, pp. 63-70. (in Persian)
29. Soleiman beygi, N. and Hakimzadeh, H., "Numerical Model Development for Simulation of Vertical Flows Using Finite Volume Method", Journal of Civil and Environmental Engineering, University of Tabriz, 2010, Volume 40, No. 2, pp. 39-49. (in Persian)
30. Babaeyan Amini, A., Hakimzadeh, H. and Nourani, V. "Estimation of Peak Outflow Discharge from Earthen Dam Breach Using Artificial Intelligence", Journal of Civil and Environmental Engineering, University of Tabriz, 2011, Vol. 40, No. 3, pp. 107-113. (in Persian)
31. Forouzandeh, N., Hakimzadeh, H., Aghtouman, P. and Karami Khaniki, A. "Experimental Investigation on Effect of Draught, Mass and Sheet Height in Pontoon Floating Sheet Breakwaters on Transmission and Reflection Coefficients Subject to Irregular Waves", Journal of Marine Engineering, 2011, Volume 7, No. 13, pp. 17-28. (in Persian).
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33. Hassanzadeh, Y., Hakimzadeh, H. and Ayari, S. "Study on the Effects of Bridge Pier Shape on Flow Pattern Using the Fluent Software", Iran-Water Resources Research, 2012, Vol.7, No.4, pp. 95-105. (in Persian).
34. Aghaee-Shalmani, Y. and Hakimzadeh, H "Numerical Modeling of Flow around Cylindrical Piers Using Single and Dual Time-Stepping and Methods of RANS and LES", Journal of Hydraulics, 2012, Vol.7, No.3, pp. 55-71. (in Persian).
35. Arshad Shabkhaneh, B. and Hakimzadeh, H., "Investigation on Effect of Offshore Pipelines Fitting Distances on Flow Separation around them Using Experimental and Numerical Models", Journal of Marine Engineering, 2012, Vol. 8, No. 16, pp. 51-64 (in Persian)
36. Hakimzadeh, H., Hafezizadeh, S., Almaspoor, F. and Mahmoudi Moghadam, J. "Two-dimensional Simulation of Sediment Transport Prediction in Dam Reservoirs Using the Combination of a Numerical Model and GIS (Case Study: Aydoghmoosh Dam Reservoir) ", Journal of Civil and Environmental Engineering, University of Tabriz, 2013, Vol.42, No 4, pp. 59-65. (in Persian)
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38. Ghaldarbandi, R., Keshavarz, M.H. and Hakimzadeh, H., "Investigation of the Bed and Structural Slopes on Bed Shear Stress and Flow Characteristics around an Impermeable Groyne", Journal of Hydraulic Structures, 2013, Issue 1, pp. 10-22.
39. Miralizadeh Orang, S.M.R., Lotfollahi Yaghin, M.A., Hosseinzadeh Dalir, A. and Hakimzadeh, H., "Investigation of Local Scour Process around Marine Pipelines with Respect to a Submerged

- Impermeable Plate Using the Physical Models", *Modares Journal of Civil Engineering*, 2013, Vol. 13, Issue 4, pp. 125-136. (in Persian).
40. Mahmoudi, A., Hakimzadeh, H. and Ketabdari, M.J., "A Comparison Between Performance of Turbulence Models on Simulation of Solitary Wave Breaking by SPH Method", *Journal of Civil Engineering and Urbanism*, 2014, Vol. 4, Issue 1, pp. 1-7.
 41. Kardan, N., Hakimzadeh, H. and Hassanzadeh, Y., "3D Simulation of Hydrodynamic Parameters around Bridge Piers Using Various Turbulence Models", *Journal of Irrigation Science and Engineering*, Shahid Chamran University of Ahvaz, 2014, Vol. 37, No. 4, pp. 39-54 (in Persian).
 42. Mahmoudi, A., Hakimzadeh, H. and Ketabdari, M.J. "Simulation of Wave Propagation over Coastal Structures Using WCSPH Method", *International Journal of Maritime Technology*, 2014, Vol. 2, pp. 1-13.
 43. Kardan, N., Hassanzadeh, Y. and Hakimzadeh, H. "3D Numerical Study of Combined Models of Pier Shape and Slot on Reducing the Bed Shear Stresses, Starter of Scouring around the Bridge Pier", *Journal of Civil and Environmental Engineering*, University of Tabriz, 2015, vol. 44.4, Issue 77, pp. 39-50. (in Persian)
 44. Arshad Shabkhaned, B. and Hakimzadeh, H. "Investigation into Effect of Burial Depth of Offshore Pipelines in Tandem Position on Flow Separation Using the Experimental and Numerical Models", *Journal of Civil and Environmental Engineering*, University of Tabriz, 2015, Vol. 45.1, Issue 78, pp. 1-13. (in Persian)
 45. Kardan, N., Hakimzadeh, H. and Hassanzadeh, Y. "Experimental Study of Combined Models of Berm, Side Slope and Slot in Decreasing the Bed Erosion around Bridge Piers", *Modares Journal of Civil Engineering*, 2015, Vol. 15, Issue 2, pp. 103-116. (in Persian)
 46. Pourahmadi, M. and Hakimzadeh, H., "Experimental Investigation on Local Scour around the Conical and Pyramidal Piers", *Journal of Hydraulics*, 2015, Vol.9, No.3, pp. 81-89. (in Persian).
 47. Tohidi, H.R. and Hakimzadeh, H., "Experimental and Numerical Investigation of Scouring Process around the Piers with Lateral Boundaries Fitted by Velocity Profile Due to Steady Flow", *Journal of Hydraulics*, 2015, Vol.9, No.4, pp. 39-53. (in Persian)
 48. Mosahebi Mohammadi, M. and Hakimzadeh, H., " Experimental Investigation on Impact of Reynolds Number, Fitting Distance and Relative Diameter on Flow Separation around Piggyback Pipelines", *Journal of Marine Engineering*, 2016, Vol. 11, No. 22, pp. 109-117, (In Persian).
 49. Mohammadi, A. and Hakimzadeh, H., "Protection of Offshore Pipelines with Adding a Longitudinal Blade Beneath the Pipe", *Journal of Marine Engineering*, 2016, Vol. 11, No. 22, pp. 25-38, (In Persian).
 50. Mahmoudi, A., Hakimzadeh, H., Ketabdari, M.J., Etemad Shahidi, A., Cartwright, N. and Abyn, H. "Weakly-compressible SPH and Experimental modeling of periodic wave breaking on a plane slope", *International Journal of Maritime Technology*, 2016, Vol. 5, pp. 63-76.
 51. Mahmoudi, A., Hakimzadeh, H., Ketabdari, M.J., Vaghefi, H. "Experimental and Numerical Modeling of the Propagation and Wave Breaking over an Impermeable Submerged Breakwater", *Journal of Hydraulics*, 2016, Vol. 11, No.3, pp. 33-45.
 52. Mahmoudi, A., Hakimzadeh, H., Ketabdari, M.J., Vaghefi, H. "Experimental Study on Wave Transmission and Reflection at Impermeable Submerged Breakwaters", *International Journal of Coastal Engineering and Offshore Structures*, 2017, Vol. 1, Issue 3, 19-27.
 53. Kardan, N. and Hakimzadeh, H., "Investigation of the Hydrodynamic Forces Exerted on Offshore Piggyback Pipelines Due to Steady Currents", *Journal of Marine Engineering*, 2018, Vol. 13, No. 26, pp. 131-137, (In Persian).

54. Kabiri, A. and Hakimzadeh, H., "Numerical Investigation into Effect of Geometries of Floating Breakwaters with the Same Draft and Mass on their Efficiencies", *Journal of Marine Engineering*, 2018, Vol. 14, No. 27, pp. 81-94, (In Persian).
55. Isaie Moghaddam, E., Hakimzadeh, H., Nabi Allahdadi, M., Hamed, A. and Nasrollahi, A. "Wave-induced Currents in the Northern Gulf of Oman: A Numerical Study for Ramin Port along the Iranian Coast", *American Journal of Fluid Dynamics*, Vol. 8, No. 1, pp. 30-39.
56. Isaie Moghaddam, E. and Hakimzadeh, H., " Wave Climate Variability and Longshore Sediment Transport Evaluation along Ramin Harbor, Southeast Coast of Iran", *International Journal of Coastal Engineering and Offshore Structures*, 2018, Vol. 2, Issue 3, pp. 53-62.
57. Kardan, N., Hakimzadeh, H. and Hassanzadeh, Y. "Three Dimensional Simulation of Vortex Shedding Phenomenon and Sediment Transport around Obstacles subjected to flow, Using Flow3D", *Journal of Ferdowsi Civil Engineering*, 2020, Vol.33, Issue 2, pp. 1-20 (in Persian).
58. Shiri, A., Hakimzadeh, H. and Kardan, N., "Investigation into Effect of Different Uneven Bed Topographies on Performance of Rectangular Floating Breakwaters Using Flow3D", *Marine Technology*, 2022, Vol. 9, No. 2, pp. 89-103, (In Persian).
59. Chehrehgosha, H., Hakimzadeh, H. and Kardan, N. "Investigation into Temporal Hydrodynamic Forces on Offshore Piggyback Pipelines Due to Steady Currents", *Journal of Civil and Environmental Engineering*, University of Tabriz, 2024, Volume 53, No.4, pp. 112-125.
60. Hossieni, D., Hakimzadeh, H. and Ghiassi, R., "Simulation of Scour beneath a Pipeline Due to Tidal Currents", *Journal of Marine Engineering*, 2023, Volume 19, No. 39, pp. 1-11. (in Persian)
61. Hossieni, D., Hakimzadeh, H., " Experimental and numerical study of Scour beneath two Pipelines in tandem Due to Tidal Currents", *International Journal of Coastal, Offshore and Environmental Engineering*, accepted, in press.

Presentations:

1. Osouli, S., and Hakimzadeh, H. and Kardan, N. " An Investigation of the Effect of a Triangular Cogged Floor on the Wave Transmission Coefficient in Floating Breakwaters ", *Proceedings of 14th International Conference on Coasts, Ports & Marine Structures, ICOPMAS 2022*, Full paper in CD.
2. Osooly, S., and Hakimzadeh, H. and Kardan, N. "Numerical Simulation of Waves and Floating Bodies Using Flow-3D", *Proceedings of 20th Iranian Hydraulic Conference*, Gorgan University, Book of Abstracts, Full paper in CD, 2021.
3. Zaker, B., and Hakimzadeh, H. "3D Numerical Simulation of Tidal Currents around Shahid Rajaei Port", *Proceedings of 12th International Conference on Civil Engineering*, Ferdowsi University of Mashhad, Mashhad, Iran, 2021.
4. Chehrehgosha, H. and Hakimzadeh, H. "Numerical Evaluation of Instantaneous Hydrodynamic Forces Exerted on Offshore Piggy-back Pipeline Due to Steady Currents", *Proceedings of 12th National Conference on Civil Engineering*, Sahand University of Technology, Full paper in CD, 2020.
5. Asrari, S. and Hakimzadeh, H. "Experimental Investigation of Local Scour below a Piggy-back Pipeline Due to Steady Currents", *Proceedings of 12th National Conference on Civil Engineering*, Sahand University of Technology, Full paper in CD, 2020.
6. Tavakkoli Oskouei, M. and Hakimzadeh, H. "Three Dimensional Simulation of Siltation Due to Waves and River Currents in Anzali Port", *Proceedings of 12th National Conference on Civil Engineering*, Sahand University of Technology, Full paper in CD, 2020.

7. Chehrehghosha, H., Hakimzadeh, H. and Kardan, N. "Investigation on Instantaneous Hydrodynamic Forces Exerted on Offshore Piggy-back Pipeline Due to Steady Currents", Proceedings of 18th Iranian Hydraulic Conference, University of Tehran, Full paper in CD, 2020.
8. Asrari, S., Hakimzadeh, H. and Kardan, N. "Computation of Local Scour beneath a Piggy-back Pipeline Using Flow-3D", Proceedings of 7th International Offshore Industries Conference, Tehran, Full paper in CD, 2019.
9. Tavakkoli Oskouei, M. and Hakimzadeh, H. "Three Dimensional Hydrodynamic Simulation in Anzali Port Using Mike 3", Proceedings of 11th National Conference on Civil Engineering, University of Shiraz, Book of Abstracts, Full paper in CD, 2019.
10. Tavakkoli Oskouei, M. and Hakimzadeh, H. "Numerical Simulation of Waves in Anzali Port Using Mike 21, Before and after Development of Breakwaters", Proceedings of 20th Marine Industries Conference, Tehran, Book of Abstracts, Full paper in CD, 2018.
11. Asrari, S. and Hakimzadeh, H. and Kardan, N. "Numerical Modelling of Local Scour below a Piggy-back Pipeline in Currents", Proceedings of 13th International Conference on Coasts, Ports & Marine Structures, ICOPMAS 2018, Full paper in CD.
12. Mohammadnejad, H. and Hakimzadeh, H. "Numerical Study of Sedimentation in Anzali Harbour Due to the North Western and North Eastern Waves with Respect to the Extended Breakwaters", Proceedings of 13th International Conference on Coasts, Ports & Marine Structures, ICOPMAS 2018, Full paper in CD.
13. Hakimzadeh, M. and Hakimzadeh, H. "Numerical Simulation of Tidal Dispersion of Contamination in a Model of Estuary", Proceedings of 13th International Conference on Coasts, Ports & Marine Structures, ICOPMAS 2018, Full paper in CD.
14. Shiri, M., Hakimzadeh, H. and Kardan, N. "Numerical Investigation into Effect of Unevenness of Bed on Efficiency of Rectangular Floating Breakwater", Proceedings of 11th International Conference on Civil Engineering, University of Tehran, Full paper in CD, 2018.
15. Dadghar, M.S, Hakimzadeh, H. "Numerical Investigation of Flows Due to Tide and Wave around Shahid Rajaei Port", Proceedings of 11th International Conference on Civil Engineering, University of Tehran, Full paper in CD, 2018.
16. Bozorgi, A., Hakimzadeh, H and Soleiman Beygi, N., " Investigation into Shear Stress and Bending Moment in pontoons of a Semi-Submersible Rig at Different Water Ballast Conditions", Proceedings of 7th International Offshore Industries Conference, Tehran, Book of Abstracts, Full paper in CD, 2017.
17. Shiri, M., Mohammadi, P., Tavakkoli, M., Hakimzadeh, H. and Kardan, N. "Impact of Piers Group with Circular Cross-sections in Tandem Position on Flow Pattern", Proceedings of 10th National Congress on Civil Engineering, Sharif University of Technology, Full paper in CD, 2017.
18. Hakimzadeh, M. and Hakimzadeh, H. "Investigation into Peak Attenuation of the Inlet Pollution at the Outlet of a Flume", Proceedings of 10th National Congress on Civil Engineering, Sharif University of Technology, 2017.
19. Hosseini, D., and Hakimzadeh, H. "Simulation of Turbulent Flow around an Obstacle and Investigation into the Obstacle's Shape on Flow Characteristics", Proceedings of 15th Iranian Hydraulic Conference, International University of Imam Khomeini, Book of Abstracts, Full paper in CD, 2016.
20. Mohammadnejad, H. and Hakimzadeh, H. "Numerical Study of Sedimentation in Anzali Harbour Due to Northwest Waves with Respect to the Extended Breakwaters", Proceedings of 12th

International Conference on Coasts, Ports & Marine Structures, ICOPMAS 2016, Full paper in USB.

21. Babaeian, A.R. and Hakimzadeh, H. "Two-Dimensional Numerical Simulation of Flow around a Pier", Proceedings of 9th National Congress on Civil Engineering, Ferdosi University, Full paper in CD, 2016.
22. Isaei Moghaddam, E. and Hakimzadeh, H. "Numerical Simulation of Wave and Coastal Currents in Ramin Harbour", Proceedings of 17th Marine Industries Conference, Kish Island, Book of Abstracts, Full paper in CD, 2015.
23. Isaei Moghaddam, E. and Hakimzadeh, H. "Analysis of Sedimentation Problem in Ramin Fishing Harbour Using Numerical Simulation and Presenting a Proper Approach", Proceedings of 14th Iranian Hydraulic Conference, University of Sistan and Baluchestan, Book of Abstracts, Full paper in CD, 2015.
24. Bozorgi, A., Hakimzadeh, H., Sedaaghi, M.H., Ghazvini, H. and Hassankhani, R. " Investigation into Equilibrium and Stability of Semi-Submersible Rigs at Damage Condition", Proceedings of 6th International Offshore Industries Conference, Tehran, Book of Abstracts, Full paper in CD, 2015.
25. Kabiri, A. and Hakimzadeh, H. "Numerical Investigation into Effect of Floating Breakwaters Geometries with Similar Draft on their Efficiencies", Proceedings of 6th International Offshore Industries Conference, Tehran, Book of Abstracts, Full paper in CD, 2015.
26. Mahmoudi, A., Hakimzadeh, H., Ketabdari, M.J. and Aein, H. "Numerical Simulation of Wave Propagation over Impermeable Submerged Breakwater Using SPH", Proceedings of 6th International Offshore Industries Conference, Tehran, Book of Abstracts, Full paper in CD, 2015.
27. Bozorgi, A., Hakimzadeh, H., Sedaaghi, M.H. and Ghazvini, H. "Numerical Investigation into Equilibrium and Stability of Semi-Submersible Rigs at Intact Condition", Proceedings of 16th Marine Industries Conference, Bandar Abbas, Book of Abstracts, Full paper in CD, 2014.
28. Mahmoudi, A., Hakimzadeh, H. and Ketabdari, M.J., "Numerical Simulation of Non-Reflected Wave in a Tank Using WCSPH Method", Proceedings of 10th International Conference on Coasts, Ports & Marine Structures, ICOPMAS "2014", Full paper in CD, 2014.
29. Tohidi, H.R. and Hakimzadeh, H. "Experimental Investigation of Local Scour around the Piers with Lateral Boundaries Fitted by Velocity Profiles Due to Steady Flow", Proceedings of 12th Iranian Hydraulic Conference, University of Tehran, Full paper in CD, 2013.
30. Khazaei, M., Hakimzadeh, H. and Tahaie, S. "Prediction of Oil Spill in Coastal Regions of Caspian Sea due to drilling of Amirkabir Platform and Oil Wells of Azarbaijan", Proceedings of 15th Marine Industries Conference, Kish Island, Book of Abstracts, Full paper in CD, 2013.
31. Mahmoudi, A., Hakimzadeh, H. and Ketabdari, M.J. "Simulation of Wave Breaking by SPH Method with Turbulence Modelling", Proceedings of 10th International Conference on Coasts, Ports & Marine Structures, ICOPMAS "2012", Full paper in CD, 2012.
32. Kardan, N., Hassanzadeh, Y. and Hakimzadeh, H. "Comparison of Velocity Distribution and Water Level Variations Using Various Turbulence Models to Investigate Flow Pattern around Piers", Proceedings of 11th Iranian Hydraulic Conference, Urmia University, Book of Abstracts, Full paper in CD, 2012.
33. Hakimzadeh, H., Mehrzad, R. and Azari, N. "Experimental Investigation of the Effect of Slotted Conical Piers on Scour Process", Proceedings of Sixth International Conference on Scour and Erosion, Paris, France, 2012.

34. Hakimzadeh, H., Azari, N. and Mehrzad, R. "Experimental Study of the Effect of Lateral Structural Slopes of Groynes on Scour Reduction", Proceedings of Sixth International Conference on Scour and Erosion, Paris, France, 2012.
35. Kardan, N., Hassanzadeh, Y. and Hakimzadeh, H. "Comparison of Dynamic Bed Shear Stress Distribution around a Bridge Pier using Various Turbulence Models", Proceedings of Sixth International Conference on Scour and Erosion, Paris, France, 2012.
36. Azari, N., Hakimzadeh, H. and Mehrzad, R. "Numerical Investigation on Effect of the Groynes' Slopes on Scour Reduction around them", Proceedings of 9th International Conference on Civil Engineering, Isfahan University of Technology, Book of Abstracts, Full paper in CD, 2012.
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