

Name: Ali Dastgheib
Date of birth: 17.Sep.1978
Nationality : Dutch / Iranian
Current Residence: Delft, The Netherlands
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EDUCATION

PhD in Coastal Engineering, Delft University of Technology, The Netherlands

MSc. in Coastal Engineering and Port Development, UNESCO-IHE, Delft, The Netherlands, (with Distinction)

MSc. in Hydraulic Structures, Amir Kabir University of Technology, Tehran, Iran, (Gold Medalist)

BSc. in Civil Engineering, Shiraz University, Shiraz, Iran

TRAININGS

Certificate "Leadership development program" De Baak, The Netherlands, 2019

Certificate "Training on ethical leadership" UNESCO, 2016

Diploma "University teaching qualification" UNESCO-IHE, 2015

Certificate "Mentoring Thesis Students" UNESCO-IHE, 2013

Certificate "Estuarine and Coastal Processes in relation to Coastal Zone Management" NCK Summer school, 2007

Certificate "International Dredging Seminar" IADC, 2007

EMPLOYMENT RECORD

2021 - Pres.	IMDC, Antwerpen Belgium <i>Innovation Manager/Sr. Coastal Engineer</i>
2021 - Pres.	IHE-Delft, Delft, The Netherlands <i>Associate Prof. on Coastal Engineering and Port Development</i>
2014 - 2020	IHE-Delft, Delft, The Netherlands <i>Sr. Lecturer/Researcher in Coastal Engineering and Port Development</i>
2014 - 2019	UNESCO-IHE, Delft, The Netherlands <i>Deputy Head (Manager) of Water Science and Engineering Department</i>
2007 – 2013	UNESCO-IHE, Delft, The Netherlands <i>Lecturer/Researcher in Coastal Engineering and Port Development</i>
2008 – 2010	Deltares, The Netherlands <i>Visiting Researcher (1 day per week)</i>

2007 – 2012	Delft University of Technology, The Netherlands <i>Guest PhD Fellow</i>
2006 – 2007	Deltares, Delft, The Netherlands <i>Visiting Researcher</i>
2005 – 2006	UNESCO – IHE, Delft, The Netherlands <i>MSc. Student, Coastal Engineering and Port Development</i>
2002 – 2005	PTP Consultant Engineers, Tehran, Iran <i>Project Engineer / Project Manager / Head of Coastal and Port Engineering section</i>
2001 – 2002	Port and Shipping Organization of Iran, Tehran, Iran <i>Researcher, Coastal Engineering Department</i>

ACADEMIC AWARDS

IADC-Award for the best paper written by a young author, PIANC-COPEDEC VII Conference 2008.

ICS 2018 Young Scientist Award, 15th international coastal symposium.

ACADEMIC EXPERIENCE

Coordination :

- Coordinator of Master program in coastal engineering and port development (2008-2013)

Regular Courses :

- Introduction to coastal engineering
- Coastal Morphology
- Integrated coastal zone management
- Climate Change risk assessment in coastal areas and deltas
- Developing future scenarios for natural drivers
- Hydrodynamic and morphological modelling
- Port Planning and Design of Terminals
- Game theory for managers

Organizing tailor made and short courses :

- Morphological modeling
- Coastal and port structures
- Port Planning and infrastructure Design
- Integrated coastal zone management
- International port seminar
- Climate change impacts and adaptation in coastal areas and deltas

Supervision of MSc. And PhD Students:

- More than 45 MSc. students in the field of coastal engineering, river engineering and port planning
- 5 PhD students

Recent Capacity Development Projects:

- Capacity Development in Integrated Coastal Zone Management in changing world in Mozambique– *total budget of 300 K Euro*

- Capacity Development in Integrated Coastal Zone Management for two universities in Indonesia (ITB and ITS) – *total budget of 2.0 M Euro*
- Strengthening the Chittagong Port Authority Training Institute (CPATI) - *total budget of 834 K Euro*
- Strengthening the educational capacity in Central Java Province, Indonesia, on Integrated Coastal Zone Management – *total budget of 1.0 M Euro*

RECENT RESEARCH AND ADVISORY PROJECTS

- Consultancy Services for Engineering and Safeguards Assessment of Proposed Interventions in the coastal areas of the Monrovia Metropolitan Area (MMA) in Liberia – *funded by UNDP*
- Vulnerability Analysis, Feasibility Study And Preliminary Environmental And Social Impact Analysis (ESIA) Água Grande Coastal Protection Project, Sao Tome – *funded by World Bank and Dutch ministry of economy.*
- Cost of Coastal Environmental Degradation, Multi Hazard Risk Assessment and Cost Benefit Analysis in West Africa – *funded by World Bank*
- Modelling the sediment Transport along the Sri Lanka North coast - *funded by Government of Sri Lanka*
- Coastal Risk Assessment along the East Coast of Sri Lanka - *funded by Asian Development Bank*
- Resilience-Increasing Strategies for Coasts - toolKIT (Risckit), - *funded by European commission*
- Sub-Basin Development program (CASDP), Cauvery delta zone, Tamil Nadu, India. – *funded by Asian Development Bank*
- Morphological Assessment of the Meghna Estuary, Bangla-Dutch research initiative on flood risk management and morphological assessment. – *funded by Dutch ministry of foreign affairs*
- Coastal Geomorphology and adaptation options study, Sao Tome and Principe – *funded by World Bank*
- Assessment of Climate Change driven variations on future longshore sediment transport rates along the coast of Viet Nam - *funded by Dutch ministry of infrastructure and water management.*
- Long -term morphological development of San Francisco Estuary. – *Funded by USGS*

MANAGEMENT EXPERIENCE

Management and Business Development Experience :

- Managing the innovation process and portfolio of IMDC in Belgium
- Managing the recourses and the projects of a department which includes 6 groups and 52 staff members with 10 MEuro turnover for more than 5 years;

- Preparing the department annual budget and work plan including individual and group performance targets;
- Monitoring the work plan of the department throughout the implementation and revising it if necessary;
- Establishing and assessing the personal development goal of staff members;
- Country coordinator for business development in Peru and Iran;
- Being a member of sounding board of reform at UNESCO-IHE;
- Implementing the changes in policies and management tools;

Project Management Experience:

- Developing proposals and raising funds for projects;
- Organizing need assessment sessions with different stake holders;
- Determining the scope (Deliverables), cost and time of the project;
- Managing the stakeholders of the project;
- Setting up the project team;
- Monitoring the project during the implementation;
- Establishing the communication system of the project;
- Establishing the impact mentoring beyond the project end date.

LANGUAGE PROFICIENCY

<u>Language</u>	<u>Reading</u>	<u>Speaking</u>	<u>Writing</u>
Persian	Very Good	Very Good	Very Good
English	Very Good	Very Good	Very Good
Dutch	Fair	Fair	
Arabic	Fair		

PUBLICATION RECORD

PhD dissertation:

Long-term process-based morphological modeling of large tidal basins 170p.
CRC Press, Taylor and Francis Group. The Netherlands.

Selected Peer Reviewed Journals :

Bolle, A., das Neves, L., De Nocker, L., Dastgheib, A., & Couderé, K. (2021). A methodological framework of quantifying the cost of environmental degradation driven by coastal flooding and erosion: A case study in West Africa. *International Journal of Disaster Risk Reduction*, 54, 102022.

Eskafi, M., Kowsari, M., Dastgheib, A., Ulfarsson, G.F., Taneja, P. and Thorarinsdottir, R.I. (2020), "Mutual information analysis of the factors influencing port throughput", *Maritime Business Review*, Vol. ahead-of-print No. ahead-of-print.

Bamunawala, J., Dastgheib, A., Ranasinghe, R., van der Spek, A., Maskey, S., Murray, A. B., . . . Sirisena, T. A. J. G. (2020). Probabilistic Application of an Integrated Catchment-Estuary-Coastal System Model to Assess the Evolution of Inlet-Interrupted Coasts Over the 21st Century. *Frontiers in Marine Science*, 7(1104).

Bamunawala, J., Dastgheib, A., Ranasinghe, R., van der Spek, A., Maskey, S., Murray, A. B., . . . Sirisena, T. (2020). A Holistic Modeling Approach to Project the Evolution of Inlet-Interrupted Coastlines Over the 21st Century. *Frontiers in Marine Science*, 7, 542.

- Guzman, E., Ramos, C., & Dastgheib, A. (2020). Influence of the El Niño Phenomenon on Shoreline Evolution. Case Study: Callao Bay, Perú. *Journal of Marine Science and Engineering*, 8(2), 90.
- Reef, K. R., Roos, P. C., Andringa, T. E., Dastgheib, A., & Hulscher, S. J. (2020). The Impact of Storm-Induced Breaches on Barrier Coast Systems Subject to Climate Change—A Stochastic Modelling Study. *Journal of Marine Science and Engineering*, 8(4), 271.
- Zhu, H., Zuo, L., Reyns, J., Lu, Y., Dastgheib, A., & Roelvink, D. (2020). Morphologic modelling of tidal inlet on a barrier-lagoon coast: Case study of the Laolonggou tidal inlet in the Bohai Bay. *Applied Ocean Research*, 94, 101967.
- Mehvar, S., Filatova, T., Sarker, M. H., Dastgheib, A., & Ranasinghe, R. (2019). Climate change-driven losses in ecosystem services of coastal wetlands: A case study in the West coast of Bangladesh. *Ocean & coastal management*, 169, 273-283.
- Mehvar, S., Dastgheib, A., Filatova, T., & Ranasinghe, R. (2019). A practical framework of quantifying climate change-driven environmental losses (QuantiCEL) in coastal areas in developing countries. *Environmental science & policy*, 101, 302-310.
- Mehvar, S., Dastgheib, A., Bamunawala, J., Wickramanayake, M., & Ranasinghe, R. (2019). Quantitative assessment of the environmental risk due to climate change-driven coastline recession: A case study in Trincomalee coastal area, Sri Lanka. *Climate Risk Management*, 25, 100192.
- Koroglu, A., Ranasinghe, R., Jiménez, J. A., & Dastgheib, A. (2019). Comparison of coastal vulnerability index applications for Barcelona Province. *Ocean & coastal management*, 178, 104799.
- Fayyaz, M., Shafieefar, M., & Dastgheib, A. (2019). Evaluation of the effects of sediment characteristics on long-term estuarine morphological modelling driven by waves and tides. *Applied Ocean Research*, 92, 101919.
- Eskafi, M., Fazeli, R., Dastgheib, A., Taneja, P., Ulfarsson, G. F., Thorarinsdottir, R. I., & Stefansson, G. (2019). Stakeholder salience and prioritization for port master planning, a case study of the multi-purpose Port of Isafjordur in Iceland. *European Journal of Transport and Infrastructure Research*, 19(3).
- Eskafi, M., Fazeli, R., Dastgheib, A., Taneja, P., Ulfarsson, G. F., Thorarinsdottir, R. I., & Stefansson, G. (2019). A value-based definition of success in adaptive port planning: a case study of the Port of Isafjordur in Iceland. *Maritime Economics & Logistics*, 1-29.
- Mehvar, S., Filatova, T., Syukri, I., Dastgheib, A., & Ranasinghe, R. (2018). Developing a framework to quantify potential sea level rise-driven environmental losses: a case study in Semarang coastal area, Indonesia. *Environmental science & policy*, 89, 216-230.
- Mehvar, S., Filatova, T., Dastgheib, A., De Ruyter van Steveninck, E., & Ranasinghe, R. (2018). Quantifying economic value of coastal ecosystem services: a review. *Journal of Marine Science and Engineering*, 6(1), 5.
- Dastgheib, A., Jongejan, R., Wickramanayake, M., & Ranasinghe, R. (2018). Regional scale risk-informed land-use planning using probabilistic coastline recession modelling and economical optimisation: East coast of Sri Lanka. *Journal of Marine Science and Engineering*, 6(4), 120.

Dastgheib, A., Wulandari, A. S., & Ranasinghe, R. (2018). Investigating the Stability of Double-Inlet Tidal Systems Using a Process-Based Modelling Approach. *Journal of Coastal Research*, 85(sp1), 161-165.

Barquet, K., Dickin, S. K., Meijer, J. J., & Dastgheib, A. (2018). Testing RISC-KIT's integrated approach for assessing Disaster Risk Reduction measures on the coast of Kristianstad, Sweden. *Coastal Engineering*, 134, 203-211.

Roelvink, D., McCall, R., Mehvar, S., Nederhoff, K., & Dastgheib, A. (2018). Improving predictions of swash dynamics in XBeach: The role of groupiness and incident-band runup. *Coastal Engineering*, 134, 103-123.

Abdullah, A. D., Popescu, I., Dastgheib, A., van der Zaag, P., Masih, I., & Karim, U. F. A. (2017). Analysis of Possible Actions to Manage the Longitudinal Changes of Water Salinity in a Tidal River. *Water Resources Management*, 13(7), 2157–2171.

Fayyaz, M., Shafieefar, M., & Dastgheib, A. (2017). Evaluation of the Effects of Morphological Parameters on Equilibrium of Tidal Basins. *Journal of Waterway, Port, Coastal, and Ocean Engineering*, 143(4), 04017003.

Dastgheib, A., Reyns, J., Thammasittirong, S., Weesakul, S., Thatcher, M., & Ranasinghe, R. (2016). Variations in the wave climate and sediment transport due to climate change along the coast of Vietnam. *Journal of Marine Science and Engineering*, 4(4), 86.

Bakhtyar, R., Dastgheib, A., Roelvink, D., & Barry, D. A. (2016a). Impacts of wave and tidal forcing on 3D nearshore processes on natural beaches. Part I: Flow and turbulence fields. *Ocean Systems Engineering*, 6(ARTICLE), 23-60.

Bakhtyar, R., Dastgheib, A., Roelvink, D., & Barry, D. A. (2016b). Impacts of wave and tidal forcing on 3D nearshore processes on natural beaches. Part II. Sediment transport. *Ocean Systems Engineering*, 6(ARTICLE), 61-97.

Omer, A., Ali, Y., Roelvink, J., Dastgheib, A., Paron, P., & Crosato, A. (2015). Modelling of sedimentation processes inside Roseires Reservoir (Sudan). *Earth Surface Dynamics*, 3(2), 223.

Razak, M. S., Dastgheib, A., Suryadi, F. X., & Roelvink, D. (2014). Headland structural impacts on surf zone current circulations. *Journal of Coastal Research*, 70(sp1), 65-71.

Razmi, A. M., Barry, D. A., Bakhtyar, R., Le Dantec, N., Dastgheib, A., Lemmin, U., & Wüest, A. (2013). Current variability in a wide and open lacustrine embayment in Lake Geneva (Switzerland). *Journal of Great Lakes Research*, 39(3), 455-465.

Ab Razak, M. S., Dastgheib, A., & Roelvink, D. (2013). Sand bypassing and shoreline evolution near coastal structure, comparing analytical solution and XBeach numerical modelling. *Journal of Coastal Research*, 65(sp2), 2083-2088.

Van der Wegen, M., Dastgheib, A., Jaffe, B. E., & Roelvink, D. (2011). Bed composition generation for morphodynamic modeling: case study of San Pablo Bay in California, USA. *Ocean Dynamics*, 61(2-3), 173-186.

Van der Wegen, M., Dastgheib, A., & Roelvink, J. (2010). Morphodynamic modeling of tidal channel evolution in comparison to empirical PA relationship. *Coastal Engineering*, 57(9), 827-837.

Dastgheib, A., Roelvink, J., & Wang, Z. (2008). Long-term process-based morphological modeling of the Marsdiep Tidal Basin. *Marine Geology*, 256(1-4), 90-100.

Google Scholar