

Curriculum Vitae



Name: Mustafa NURI BALOV

Education

2001 - 2005 BSc.

Razi University – Kermanshah, Iran
Water Engineering (Irrigation)

2011 - 2014 MSc.

Istanbul technical university-Istanbul, Turkey
Major Field: Civil Engineering Minor Field: Hydraulics and Water Resources
Master Thesis: comparison performances of different models on estimation of runoff hydrograph

2014 - 2019 PhD.

Istanbul technical university-Istanbul, Turkey
Major Field: Civil Engineering Minor Field: Hydraulics and Water Resources
PhD Thesis Title: A comprehensive assessment on various impacts of climate change in the Western Black Sea and Euphrates-Tigris Basins, Turkey.

Languages skills

- 1) **Azeri:** Native Language
- 2) **Turkish:** Native languages
- 3) **English:** Good
- 4) **Farsi:** Native Language

Software skills

- 1) MIKE (11, 21FM, 21SW, BASIN)
- 2) EPA SWMM
- 3) WMS
- 4) AUTOCAD
- 5) MATLAB
- 6) Microsoft Office (Word, Excel, Power Point, ...)
- 7) HEC-HMS
- 8) HEC-RAS
- 9) Global Mapper
- 10) ArcGIS
- 11) Autocad Civil 3D
- 12) Surfer
- 13) WRF
- 14) RegCM

Programming skills:

- 1) MATLAB
- 2) C++
- 3) NCL
- 4) Linux

Projects Participated

- 1) Optimum design of wave energy converters on the shoreline of Istanbul, being funded by TUBITAK (Turkish National Science and Foundation). (2012-2015)
- 2) KONAKTEPE Dam Fishways (2015-2016)
- 3) The investigation of probable infiltrations between Terkos Lake and Canal Istanbul (2016)
- 4) İstanbul Water and Sewer Administration Master Plan (2020-present)

Professional Experiences

- 1) **Jahad-e-Nasr AZARBAIJAN (2008 -2009)**
 - Engineer of technical office (Ağ Çay Irrigation and drainage network project- IRAN)
- 2) **PEYMAB (2009-2011)**

- Engineer of technical office (Qomrud Tunnel and Diversion Dams project-IRAN)

3) PEYMAB (2011)

- Head Engineer of technical office (HARAZ Road Tunnels and Bridges project-IRAN)

4) Istanbul Gelişim University (2019-)

- Assistant Professor at Department of Civil Engineering (List of courses: Hydrology, Hydraulics, Fluid Mechanics, Water Supply and Wastewater Removal, Physics I, Statics, Strength of Material, Water resources systems (PhD) Advance numerical method in civil engineering (PhD) Soft Computing Methods (MSc), Engineering Mathematics (MSc))

Publications

Ağırlioğlu, N., **Nuri Balov, M.**, Altunkaynak, A. and Özger, M. (2015) Su Yapılarında Balık Elekleri Tasarımı. 4. Su Yapıları Sempozyumu- Antaliya-Türkiye.

NURI BALOV, M., and ALTUNKAYNAK, A. (2017) The Impacts of Climate Change on Extreme Precipitation Events in Karadeniz Ereğli Station (TURKEY). 8th Atmospheric Sciences Symposium - 01-04 November 2017 – Istanbul - Turkey.

NURI BALOV, M., and ALTUNKAYNAK, A. (2018) Frequency Analyses of Extreme Precipitation Events in Western Black Sea Basin (Turkey) based on Climate Change Projections. Journal of Meteorological Application. DOI: 10.1002/MET.1776.

NURI BALOV, M., and ALTUNKAYNAK, A. (2019) Trend Analyses on extreme precipitation indices based on downscaled outputs of global circulation models in Western Black Sea Basin , Turkey. Iranian journal of science and technology transactions of civil engineering. DOI: 10.1007/s40996-019-00237-3.

NURI BALOV, M., and ALTUNKAYNAK, A. (2019) The impacts of climate change on the runoff volume of Melen and Munzur Rivers in Turkey based on calibration of WASMOD model with multiobjective genetic algorithm. Meteorology and Atmospheric Physics. DOI: 10.1007/s00703-019-00676-7.

NURI BALOV, M., and ALTUNKAYNAK, A. (2019) A comparative study on the different rainfall-runoff models 1st Congress on Iranian Irrigation and Drainage, November 2019, Urmia, IRAN

NURI BALOV, M., and ALTUNKAYNAK, A. (2020) Spatio-temporal evaluation of various global circulation models in term of projection of different meteorological drought indices. Environmental Earth Sciences 76(6):126. DOI: 10.1007/s12665-020-8881-0

NURI BALOV, M., (2021) Influence of climate change on the flood disasters in Bursa, Turkey. International Journal of Science and Technology (IJET). 6(4), 62-68, 10.19072/ijet.809818