Curriculum vitae

Tomislav Džoić
Vukovarska 115, Split, 21000, Croatia
dzoic@izor.hr
+385981784818

APPOINTMENTS

2019 –	Post-doc researcher at Institute of Oceanography and Fisheries
2012 – 2018	Research assistant and PhD student at Institute of Oceanography and Fisheries

EDUCATION

2012 – 2018	PhD in Geophysics, University of Zagreb/Faculty of Science/Department of Geophysics Thesis title: Application of Lagrangian methods in numerical modelling of dispersion in Adriatic Sea
2009 – 2012	Master of Physics – Geophysics, University of Zagreb/Faculty of Science/Department of Geophysics Thesis title: Air quality assessment in Croatia using regional air quality model
2004 – 2009	Bachelor of Geophysics, University of Zagreb/Faculty of Science/Department of Geophysics

SCIENTIFIC PROJECTS

2020-	BenthicNIS: Bentoske nezavičajne vrste u hrvatskom dijelu Jadranskog mora Principal investigator: dr. Ante Žuljević, Role: researcher
2019	PORES: Plymouth Marine Research Visit Role: Principal investigator
2018 –	MAUD: Middle Adriatic Upwelling and Downwelling (Croatian Science Foundation) Principal investigator: prof. dr. Mirko Orlić, FCA Role: researcher
2018 –	ESAmar: Exploration of ecologically sensitive areas with special emphasis on growth, development and protection of commercially important maritime organisms (Croatian Science Foundation) Principal investigator: dr. Barbara Zorica Role: consultant
2015 – 2019	MARIPLAN: Marine plankton as a tool for assessment of climate and anthropogenic influence on the marine ecosystem (Croatian Science Foundation) Principal investigator: dr. Živana Ninčević Gladan Role: researcher
2015 – 2017	MESSI: Meteotsunamis, destructive long ocean waves in the tsunami frequency band: from observations and simulations towards a warning system (Unity through knowledge Fund) Principal investigator: dr. Jadranka Šepić Role: researcher
2012 – 2013	Investigations and monitoring systems for the unusual Adriatic dynamics Principal investigator: dr. Ivica Vilibić

Role: researcher

Languages proficiency

- English language fluent
- German language basic

Professional skills:

- MATLAB advanced
- Python advanced
- R good
- Unix advanced
- Princeton Ocean Model (POM) advanced
- Regional Ocean Modeling System (ROMS) basic
- Fortran basic
- Dispersion modelling (Ichthyop, Tracmmass) advanced

Google Scholar

https://scholar.google.com/citations?user=hDHeV4QAAAAJ&hl=en

Journal articles

1. Vilibić, I., Mihanović, H., Janeković, I., Denamiel, C., Poulain, P., Orlić, M., Dunić, N., Dadić, V., Pasarić, M., Muslim, S., Gerin, R., Matić, F., Šepić, J., Mauri, E., Kokkini, Z., Tudor, M., Kovač, Ž. & **Džoić, T.** (2018) Wintertime dynamics in the coastal northeastern Adriatic Sea: the NAdEx 2015 experiment. Ocean science, 14 (2), 237-258 doi:10.5194/os-14-237-2018.

2. Peharda, M., Vilibić, I., Black, B., Markulin, K., Dunić, N., **Džoić, T.**, Mihanović, H., Gačić, M., Puljas, S. & Waldman, R. (2018) Using bivalve chronologies for quantifying environmental drivers in a semi-enclosed temperate sea. Scientific Reports, 8, 5559, 9 doi:10.1038/s41598-018-23773-w.

3. **Džoić, T.**, Beg Paklar, G., Grbec, B., Ivatek- Šahdan, S., Zorica, B., Šegvić-Bubić, T., Čikeš Keč, V., Lepen Pleić, I., Mladineo, I., Grubišić, L. & Verley, P. (2017) Spillover of the Atlantic bluefin tuna offspring from cages in the Adriatic Sea: A multidisciplinary approach and assessment. PLoS One, 12 (11), e0188956, 20 doi:10.1371/journal.pone.0188956.

4. Matić, F., Kovač, Ž., Vilibić, I., Mihanović, H., Morović, M., Grbec, B., Leder, N. & **Džoić, T.** (2017) Oscillating Adriatic temperature and salinity regimes mapped using the Self-Organizing Maps method. Continental shelf research, 132, 11-18 doi:10.1016/j.csr.2016.11.006.

5. Vilibić, I., Čikeš Keč, V., Zorica, B., Šepić, J., Matijević, S. & **Džoić, T.** (2016) Hydrographic conditions driving sardine and anchovy populations in a land-locked sea. Mediterranean Marine Science, 17 (1), 1-12.

6. Beg Paklar, G., **Džoić, T.** & Dadić, V. (2015) Numerical study of the north Adriatic circulation during two successive bora episodes. Acta Adriatica, 56 (1), 115-138.

7. Talijančić, I., Šegvić-Bubić, T., Žužul, I., **Džoić, T.**, Maršić-Lučić, J. & Grubišić, L. (2018) Interactions between wild gilthead seabream Sparus aurata and tuna farms in the Adriatic Sea: morphological and ecophysiological fish adaptations. Aquaculture Environment Interactions. 11, 97-110.

8. Žužul, I.; Šegvić-Bubić, T.; Talijančić, I.; **Džoić, T.**; Lepen-Pleić, I.;Beg Paklar, G.; Ivatek-Šahdan, S.; Katavić, I.; Grubišić, L. (2019) Spatial connectivity pattern of expanding gilthead seabream populations and its interactions with aquaculture sites: a combined population genetic and physical modelling approach. Scientific Reports, 9 14718, 14 doi:10.1038/s41598-019-51256-z