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|  | **Giuseppe Tito Aronica**,professor of Hydrology and River Basin Management at Department of Engineering; Hydraulic engineer, Hydrologist, Flood risk expert. Relevant skills* flood propagation modelling
* flood, flash flood and debris flow risk mapping
* statistical and uncertainty analysis of extreme events
* pluvial flooding and flood defense in urban areas

flood risk management (damage evaluation, resilience, vulnerability analisys) |
| References (max. 5 relevant references)1. Savage, J. T. S., Bates, P., Freer, J., Neal, J., **Aronica**, **G**., 2016. When does spatial resolution become spurious in probabilistic flood inundation predictions?, DOI: 10.1002/hyp.10749.2. Penna, D., Borga, M., **Aronica**, **G.T**., Brigandì, G., Tarolli, P., 2014. The influence of grid resolution on the prediction of natural and road-related shallow landslides.*Hydrol. Earth Syst. Sci*., 18, 2127-2139.3. **Aronica**, **G.T**., Bonaccorso, B., 2013. Climate Change Effects on Hydropower Potential in the Alcantara River Basin in Sicily (Italy).*Earth Interactions* 17, 1-22.4. **Aronica**, **G.T**., Cascone, E., Brigandì, G., Biondi, G., Randazzo, G., Lanza, S., 2012. Assessment and mapping of debris flow risk in a small catchment in Eastern Sicily through integrated numerical simulations and GIS.*Journal of Physics and Chemistry of Earth* 49,52–63.5. **Aronica**, **G.T.**, Franza, F., Bates, P.D., Neal, J. C., 2012. Probabilistic evaluation of flood hazard in urban areas using Monte Carlo simulation (with uncertainty).*Hydrological Processes* 26(26), 3962-3972. |

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