

Publications (accepted/ under review/ in progress)

Clementucci R., Willett S., Uschov E., Wang Y., *Tectonic forcing controls drainage divide and landscape evolution in central and northern Madagascar. Science Advances.* (in progress)

Siame L.*, **Clementucci R.**, Kang C.C., Chu H.T., Chang C.P., Lee J.C., Leanni L., Braucher R., ASTER. *Taiwan's mountain building and landscape evolution: A cosmogenic perspective. Earth-Science Reviews.* (in progress)

Ridente D.*, **Clementucci R.**, Casalbore D., Chiocci F.L. *Tectonic setting, fluvial networks and patterns of canyon incision along the Calabria and NE Sicily Tyrrhenian Margin (Southern Italy).* (in progress)

Yaaqoub A.*, Essaifi A., **Clementucci R.**, Ballato P., Zayane R., Faccenna C., Pagli P. *Geomorphic analysis and fluvial incision rates from valley-filling lava flows: implications for the Quaternary morphotectonic evolution in the Moroccan Massif Central and Middle Atlas. ESurf.* (Under Review)

Moumeni, M., Delchiaro, M., Ballato, P., Della Seta, M., Nozaem, R., **Clementucci, R.**, Tikhomirov, D., Christl M., Egli M. 2023. *Coupling of tectonics, topography, and climate in a collisional orogenic system in NW margin of Iranian Plateau: Inferred from cosmogenic ¹⁰Be erosion rates and linear inversion modeling of river profiles. Tectonics.* (Under review)

Casalbore, D., Martorelli, E., Ridente, D., **Clementucci, R.**, & Chiocci, F. L. (2024). *Post glacial sediment partitioning on a tectonically controlled, narrow shelf (Calabro-Tyrrhenian margin, Italy): Issues in defining S2S budget.* Earth-Science Reviews, 104815. <https://doi.org/10.1016/j.earscirev.2024.104815>

Clementucci, R.*, Lanari, R., Faccenna, C., Crosetto, S., Reitano, R., Zoppis, G., & Ballato, P. (2024). *Morpho-tectonic evolution of the Southern Apennines and Calabrian Arc: Insights from Pollino range and surrounding extensional intermontane basins.* Tectonics, 43(5), e2023TC008002.

Moumeni, M., Delchiaro, M., Della Seta, M., Nozaem, R., Ballato, P., Leonard, J. S., **Clementucci R.**, Rouhi, J. 2023. *Interplay between tectonics and surface processes in the evolution of mountain ranges: Insights from landscape dynamics, uplift, and active deformation of Talesh Mountains (NW Iranian Plateau margin).* Geomorphology, 109029. <https://doi.org/10.1016/j.geomorph.2023.109029>

Reitano, R.*, **Clementucci, R.**, Conrad, E. M., Corbi, F., Lanari, R., Faccenna, C., & Bazzucchi, C. 2023. *Stream laws in analog tectonic-landscape models.* Earth Surface Dynamics, 11(4), 731-740. <https://doi.org/10.5194/esurf-11-731-2023>.

Clementucci R.*, Ballato P., Siame L., Faccenna C., Racano S., Torreti G., Lanari R., Leanni L., Guillou V. 2023. *Transient response to changes in uplift rates in the northern Atlas-Meseta system (Morocco).* Geomorphology, 435. <https://doi.org/10.1016/j.geomorph.2023.108765>.

Lanari R.*, Faccenna C., Natali C., Uluocak S., Fellin M.G., Becker T.W., Gogus O.H., Youbi N., **Clementucci R.**, Conticelli S. 2023. *The Atlas of Morocco: a Plume-Assisted Orogeny.* Geochemistry, Geophysics, Geosystems, 24, e2022GC010843.

Clementucci R.*, Ballato P., Siame L., Fox M., Lanari R., Sembroni A., Faccenna C., Yaaqoub A., Essaifi A. 2023. *Surface uplift and topographic rejuvenation of a*

tectonically inactive range: Insights from Anti-Atlas and Siroua Massif (Morocco). Tectonics. <https://doi.org/10.1029/2022TC007383>.

Clementucci R.*, Ballato P., Siame L., Faccenna C., Yaaqoub A., Essaifi A., Leanni L., Guillou V. 2022. *Lithological control on topographic relief evolution in a slow tectonic setting (Anti-Atlas, Morocco).* Earth and Planetary Science Letters. <https://doi.org/10.1016/j.epsl.2022.117788>

Clementucci R.*, Lafosse M., Casalbore D., Ridente D., d'Acremont, E. , Rabaute, A., Chiocci F. L. , Gorini C. 2022. *Common origin of coexisting sediment undulations and gullies? Insights from two modern Mediterranean prodeltas (southern Italy and northern Morocco).* Geomorphology. <https://doi.org/10.1016/j.geomorph.2022.108133>

Clementucci, R.* 2022. *Deciphering mantle contribution on surface uplift in the Atlas-Meseta system (Morocco) (Doctoral dissertation).* Earth Sciences. Università degli studi Roma Tre; Aix-Marseille Univ. <https://tel.archives-ouvertes.fr/tel-03630297/document>

Lanari R.*, Reitano R., Giachetta E., Pazzaglia F.J., **Clementucci R.**, Faccenna, C., Fellin M. G. 2022. *Is the Anti Atlas of Morocco still uplifting?.* Journal of Africa Earth Science. <https://doi.org/10.1016/j.jafrearsci.2022.104481>

Casalbore, D.*, **Clementucci, R.**, Bosman, A., Chiocci, F. L., Martorelli, E., & Ridente, D., 2020. *Widespread mass-wasting processes off NE Sicily (Italy): insights from morpho-bathymetric analysis.* Geological Society, London, 500(1), 393-403. <https://doi.org/10.1144/SP500-2019-195>.