

Fabrizio Antonioli - personal details

Graduated in 1977 in Earth Science at la Sapienza Rome University. Until December 2019 Research Director ENEA, now, Associated Resercher, INGV, Roma, Italy.

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Living in: Rome via Vitaliano Brancati 44, 00144 -Palermo via Montepellegrino 163, 90142,



Professional Experience

- Relative Sea level changes
- Coastal geomorphology and sea submersion risk
- Coastal Tectonics
- Coastal Karst evolution
- Scientific Diver since 1989, 2008 Advanced PADI Certified
- Since 2012 Co-chair expedition project GEOSWIM (23.000 km swimming around the Mediterranean sea coasts).
- Since 2017 Drone experience (Phantom 4 - Mavic2 pro)

F.A. (1980-1986) studied: the geochemistry of clays for nuclear waste disposal in Italy.

F.A. (1988-2021) studied: the coastal geomorphology on most sandy and rocky Italian coasts. Explored and studied 82 submerged caves in the Mediterranean Sea, Red Sea and the Mexican Cenote. Sampled speleothems until a depth of -48 meters and studied caves down to -70 m. Measured and studied underwater archaeological structures in Italy, Slovenia, Croatia, Greece, Turkey, Israel, Tunisia, Spain and France. Has been dealing with relative sea level changes, socio-economic impacts on Mediterranean coastal plains and tide gauge monitoring activities since 1991, with the aim of exploring future scenarios and possible sea-submersion for 2100. Organized four International conferences of Underwater Geology **GEOSUB** (Rome, 1991, Palinuro 1994, Trieste 2016, Ustica 2017). From 2012 partecipated to the Geoswim expedition around the Mediterranean coast.

Projects participation

National Projects

Project CNR Agenzia 2000 INGV.

Project VECTOR 2007-2010. <http://vector-conisma.geo.unimib.it/> National scientific chair for flooding coast.

Flag Project RITMARE 2012-2018 www.ritmare.it Chair for the Line 3 VARCOST

Project GEOSWIM, www.geoswim.it scientific observation swimming. 2012 Malta 77 km. 2013 Egadi 73 km. 2014 North Sardinia 45 km, 2015 Ustica 14 km. 2016 Paros 24km, 2017 Conero 2km, 2018, Argentario 3km, Ansedonia 2km.

European and INQUA Projects

Partecipation at 5 EU projects on sea level risk between 1998 and 2019 (TIGRA – TEMRAP; INTERREG III Adriatico, (2010-2012) with Slovenia and Croatia. CLIMTOUR 2017-20

National representative member of the Splashcos EU Project. Achaelogy and Landscapes of Continental Shelf (2009 – 2013). www.splashcos.org

Cochair of MEDFLOOD (2012-2015) INQUA Proiect MEDiterranean sea-level change and projection for future FLOODing.

Other scientific issue

- Full Professor of Geomorphology until 2022.
- Member of the Scientific Committee of AIQUA - Italian Association for Quaternary Research for 2007-2009 and 2010-2012.
- Member of the INQUA Commission Coastal and Marine Processes CMP (2008-2012).
- Vice President of INQUA, International Union for Quaternary Research (2012-2015).
- University: Full Professor (Geomorphology) 2013 – 2022.
- Member of editorial board of AMQ (Alpine and Mediterranean Quaternary, the AIQUA Journal) since 2011.
- Member of the editorial board of Quaternary International 2012-2017
- Guest editor of 5 Quaternary International Special issue volumes
- Member of the Editorial board of Journal of Geosciences MDPI since 2020.
- Editor of a Water special issue: 2021

150 papers published on peer-reviewed International Journal between 1982 and 2021

Scopus citations at October 2021 5478 *h*-index : **37**

Google sch. citations at October 2021 7425 *h*-index : **42**

Book Chapters

Antonioli F. Kyoto and its surroundings, climate change as global problem, 2006. Franco Angeli eds. ROMA

Antonioli F. Relative change in sea level and vulnerability of Italian coastal plains CMCC Bononia University Press, 2009.

Lambeck K., CD. Woodroffe, F. Antonioli, M. Anzidei, WR. Gehrels, J. Laborel, 2012. Paleoenvironmental records, geophysical modelling, and reconstruction of sea level trends and variability on centennial and longer timescales. Understanding sea level rise and variability, 61-121 Wiley, London.

Rovere, A., Antonioli, F., Nike Bianchi, C. 2015. Fixed Biological indicators Handbook of Sea Level Research Ian Shennan Antony Long, Benjamin Horton Eds. 268 - 280 Wiley-Blackwell ISBN:978-1-118-45258-5

Flemming N., Antonioli F. 2017. Prehistoric Archaeology, Palaeontology, and Climate Change Indicators from Caves Submerged by Change of Sea Level P. The archaeology of underwatercaves. Campbell edS. Higfield Press, London. ISBN: 978-0-9926336-7.

Antonioli F., Chiocci F., Anzidei M., Capotondi L., Casalbore D., Magri D., Silenzi S. 2017. The Central Mediterranean. Chapter 13, 22-27. In : submerged Landscapes of the European Continental Shelf: Quaternary Paleoenvironments, First Edition. Edited by Nicholas C. Flemming, Jan Harff, Delminda Moura, Anthony Burgess and Geoffrey N. Bailey. Quaternary Paleoenvironments. pp. 341-376. John Wiley & Sons: Chichester.

Scicchitano G., Berlinghieri E.F., Antonioli F., Spampinato C.R., Monaco C. 2017. Sacred Landscapes and Changing Sea Levels: New Interdisciplinary Data from the Early Neolithic to the Present in South-Eastern Sicily. In: Under the Sea, Archaeology and Palaeolandscapes of the Continental Shelf, Springer International Publishing AG 2017, G.N. Bailey et al. (eds.), DOI 10.1007/978-3-319-53160-1_16

Radić Rossi, I., Antonioli, F., Spada, G., Zubčić, K., Meštrov, M., 2018. Sea level and shoreline changes in the Pakoštane area over the past six millennia 205-224. In Radić Rossi, I., Boetto, G. (eds.), Pakoštane. Veli Školj: The Late Roman Shipwreck in its geological-geographical and cultural-historical context. University of Zadar, Institute for Maritime Heritage ARS NAUTICA, Zadar.

Castagnino Berlinghieri E.F, Antonioli F., Bailey G., 2020. Italy: Karst Caves, Island Palaeogeography and Maritime Connections Chapter 16. The Archaeology of Europe's Submerged Landscapes, Edited by Geoff Bailey, Nena Galanidou, Hauke Jöns, Friedrich Lüth and Hans Peeters. Springer International.

Most cited (August 2021 Google Scholar) publication

TITLE	cited	year
1) Sea-level change along the Italian coast for the past 10,000 yr K. Lambeck, F. Antonioli, A. Purcell, S. Silenzi. Quaternary Science Reviews 23, 1567-1598.	762	2004
2) Markers of the last interglacial sea-level high stand along the coast of Italy: tectonic implications. L. Ferranti, F. Antonioli, B. Mauz, A. Amorosi, G. Dai Pra, G. Mastronuzzi, Quaternary international 145, 30-54.	474	2006
3) Sea level change along the Italian coast during the Holocene and projections for the future. K. Lambeck, F. Antonioli, M. Anzidei, L. Ferranti, G. Leoni, G. Scicchitano, Quaternary International 232 (1-2), 250-257.	421	2011
4) Sea level in Roman time in the Central Mediterranean and implications for recent change. K. Lambeck, M. Anzidei, F. Antonioli, A. Benini, A. Esposito Earth and Planetary Science Letters 224 (3-4), 563-575.	315	2004
5) Sea-level change during the Holocene in Sardinia and in the northeastern Adriatic (central Mediterranean Sea) from archaeological and geomorphological data F. Antonioli, M- Anzidei, K- Lambeck, R- Auriemma, D. Gaddi, S. Furlani, Quaternary Science Reviews 26 (19-21), 2463-2486.	256	2007
6) Holocene relative sea-level changes and vertical movements along the Italian and Istrian coastlines. F Antonioli, L Ferranti, A Fontana, A Amorosi, A Bondesan, C Braitenberg, Quaternary International 206 (1-2), 102-133	251	2009
7) Late Pleistocene to Holocene record of changing uplift rates in southern Calabria and northeastern Sicily (southern Italy, Central Mediterranean Sea). F- Antonioli, L. Ferranti, K- Lambeck, S. Kershaw, V. Verrubbi, G. Dai Pra. Tectonophysics 422 (1- 4), 23-40	185	2006
8) E. Bard, F. Antonioli, S. Silenzi Sea-level during the penultimate interglacial period based on a submerged stalagmite from Argentarola Cave (Italy). Earth and Planetary Science Letters 196 (3-4), 135-146	184	2002
9) E. Bard, G. Delaygue, F. Rostek, F- Antonioli, S. Silenzi, DP. Schrag Hydrological conditions over the western Mediterranean basin during the deposition of the cold Sapropel 6 (ca. 175 kyr BP) Earth and Planetary Science Letters 202 (2), 481-494	170	2002

- 10) Antonioli F., Bard E., Potter E.K., Silenzi, S. Improta S. 215-ka History of sea-level oscillations from marine and continental layers in Argentarola Cave speleothems (Italy) *Global and Planetary Change* 43 (1-2), 57-78 **145** 2010
- 11) A. Dutton, E. Bard, F. Antonioli, T.M. Esat, K. Lambeck, MT. McCulloch. Phasing and amplitude of sea-level and climate change during the penultimate interglacial. *Nature Geoscience* 2 (5), 355. **138** 2009

2021 Publications

Antonioli, F.; Calcagnile, L.; Ferranti, L.; Mastronuzzi, G.; Monaco, C.; Orrù, P.; Quarta, G.; Pepe, F.; Scardino, G.; Scicchitano, G.; Stocchi, P.; Taviani, M. New Evidence of MIS 3 Relative Sea Level Changes from the Messina Strait, Calabria (Italy). *Water* 2021, *13*, 2647

Deiana G, Antonioli F, Moretti L, Orrù PE, Randazzo G, Lo Presti V. MIS 5.5 Highstand and Future Sea Level Flooding at 2100 and 2300 in Tectonically Stable Areas of Central Mediterranean Sea: Sardinia and the Pontina Plain (Southern Latium), Italy. *Water*. 2021; 13(18):2597. <https://doi.org/10.3390/w13182597>

Furlani S, Vaccher V, Antonioli F, Agate M, Biolchi S, Boccali C, Busetti A, Caldareri F, Canziani F, Chemello R, Causon Deguara J, Dal Bo E, Dean S, Deiana G, De Sabata E, Donno Y, Gauci R, Giaccone T, Lo Presti V, Montagna P, Navone A, Orrù PE, Porqueddu A, Schembri JA, Taviani M, Torricella F, Trainito E, Vacchi M, Venturini E. Preservation of Modern and MIS 5.5 Erosional Landforms and Biological Structures as Sea Level Markers: A Matter of Luck? *Water*. 2021; 13(15):2127.

Antonioli, F.; Furlani, S.; Montagna, P.; Stocchi, P. The Use of Submerged Speleothems for Sea Level Studies in the Mediterranean Sea: A New Perspective Using Glacial Isostatic Adjustment (GIA). *Geosciences* 2021, *11*, 77. doi: 10.3390/geosciences11020077

Antonioli, F.; Furlani, S.; Montagna, P.; Stocchi, P.; Calcagnile, L.; Quarta, G.; Cecchinell, J.; Lo Presti, V.; Morticelli, M.G.; Foresta Martin, F.; Pons-Branchu, E.; Vaccher, V. Submerged Speleothems and Sea Level Reconstructions: A Global Overview and New Results from the Mediterranean Sea. *Water* 2021, *13*, 1663. doi: 10.3390/w13121663

Valentina Gazzoni, Gwenaëlle Goude, Giampaolo Dalmeri, Antonio Guerreschi, Elisabetta Mottes, Franco Nicolis, Fabrizio Antonioli and Federica Fontana Les 1000 premiers jours de vie dans les populations du présent et du passé Investigating the diet of Mesolithic groups in the Southern Alps: An attempt using stable carbon and nitrogen isotope analyses L'alimentation des groupes mésolithiques du Sud des Alpes : nouvelles données par l'étude des compositions isotopiques (carbone, azote) des restes osseux. *Bulletins et mémoires de la Société d'Anthropologie de Paris* 33 (1) | 2021.

Antonioli, F., Calcagnile, L., Ferranti, L., Mastronuzzi, G., Monaco, C., Montagna, P., Orrù, P., Quarta, G., Pepe, F., Scardino, G., Scicchitano, G., Stocchi, P., and Taviani, M.: Relative sea level change during MIS 3: a black hole in the world. New observations from Calabria, central Mediterranean sea, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-4048, <https://doi.org/10.5194/egusphere-egu21-4048>, 2021.

Antonioli, F.; Calcagnile, L.; Ferranti, L.; Mastronuzzi, G.; Monaco, C.; Orrù, P.; Quarta, G.; Pepe, F.; Scardino, G.; Scicchitano, G.; Stocchi, P.; Taviani, M. New Evidence of MIS 3 Relative Sea Level Changes from the Messina Strait, Calabria (Italy). Preprints 2021, 2021070170 (doi: 10.20944/preprints202107.0170.v1).

2020 Publications

Antonioli F., De Falco G., Lo Presti V., Moretti L., Scardino G., Anzidei M., Bonaldo D., Carniel S., Leoni G., Furlani S., Antonella Marsico A., Petitta M., Randazzo G., Scicchitano, G., Mastronuzzi G. 2020. Relative Sea-Level Rise and Potential Submersion Risk for 2100 on 16 Coastal Plains of the Mediterranean Sea. *Water*, 12(8), 2173. <https://www.mdpi.com/2073-4441/12/8/2173>

Davide Zanchettin , Sara Bruni , Fabio Raicich , Piero Lionello , Fanny Adloff , Alexey Androsov , Fabrizio Antonioli , Vincenzo Artale , Eugenio Carminati, Christian Ferrarin, Vera Fofonova , Robert J. Nicholls, Sara Rubinetti , Angelo Rubino , Gianmaria Sannino , Giorgio Spada, Rémi Thiéblemont, Michael Tsimplis, Georg Umgiesser, Stefano Vignudelli, Guy Wöppelmann, Susanna Zerbin, 2020. Sea-level rise in Venice: historic and future trends. *Natural Hazards and Earth Sistem*. <https://doi.org/10.5194/nhess-2020-351>.

Sisma-Ventura G., Antonioli F., Silenzi S., Devoti D., Montagna P., Chemello R., Shemesh A., Yam R., Gehrels R., Dean S., Rilov G., Sivan D. 2020. Assessing vermetid reefs as indicators of past sea levels in the Mediterranean. *Marine Geology*, 106313.

Marco Meschis, Gianfranco Scicchitano, Gerald P Roberts, Jennifer Robertson, Giovanni Barreca, Carmelo Monaco, Cecilia Spampinato, Diana Sahy, Fabrizio Antonioli, Zoe Mildon, Giovanni Scardino. 2020. Regional Deformation and Offshore Crustal Local Faulting as Combined Processes to Explain Uplift Through Time Constrained by Investigating Differentially Uplifted Late Quaternary Paleoshorelines: The Foreland Hyblean Plateau, SE Sicily *Tectonics* 39 (12), e2020TC006187.

Castagnino Berlinghieri E.F, Antonioli F., Bailey G., 2020. Italy: Karst Caves, Island Palaeogeography and Maritime Connections Chapter 16. *The Archaeology of Europe's Submerged Landscapes*, Edited by Geoff Bailey, Nena Galanidou, Hauke Jöns, Friedrich Lüth and Hans Peeters. Springer International.

Palombo M.R., Antonioli F., Di Patti C., Lo Presti V., Scarborough M.E. 2020. Was the dwarfed Palaeoloxodon from Favignana Island the last endemic Pleistocene elephant from the western Mediterranean islands? *Historical Biology*, 1-19.

2019 Publications

Lo Presti V., Antonioli F., Agnesi V., Biolchi S., Calcagnile L., Di Patti C., Donati S., Furlani S., Merizzi J., Palombo M.R., Pepe F., Quarta G., Renda P., Sulli A., Tusa S., 2019. Palaeogeographical evolution of the Egadi Islands (western Sicily, Italy): implications for the oversea dispersal of *Homo sapiens* and other mammals since the Late Pleistocene on Mediterranean sea. *Earth Science Revue*, 194, 160-181.

Antonioli F., et al. 2019. Relative sea level rise and potential flooding risk for 2100 on 16 coastal plains of the Mediterranean Sea. EGU Vienna. Abstract Session OS2.5 – Advances in Understanding of the Multi-Disciplinary Dynamics of the Southern European Seas (Mediterranean and Black Sea).

Kolaiti E., Mourtzas N., Kissas K., Antonioli F., Lambeck K. 2019. New insights into the uplifted Roman harbour at Mavra Litharia (N Peloponnese, Greece) in the geodynamic context of the southern margin of the Corinth Gulf. *Quat. Int.*, <https://doi.org/10.1016/j.quaint.2018.10.020>.

Vaccher V., Antonioli F., et al. 2019. Tidal notches on the rock coast of the Ansedonia promontory, Tyrrhenian Sea, Italy. EGU Vienna, Geophysical Research Abstracts GM11.3/NH3.32/OS2.16 – Rock Coast Geomorphology.

Furlani F., Antonioli F., Mastronuzzi G, Scicchitano G. 2019. Bedrock lowering and sea cliff retreat along the Southwestern Adriatic rock coasts. Geophysical Research Abstracts.

2018 Publications

Furlani S., Piacentini D., Troiani, Biolchi S., Roccheggiani M., Andrea Tamburini A., Tirincanti E., Vaccher V., Antonioli F., Devoto S., Nesci O., Menichetti M. 2018. Tidal notch along the western Adriatic coast as markers of coastal stability during late Holocene. *Geogr. Fis. Dinam. Quat.* DOI 10.4461/ GFDQ.2018.41.11 41 (2018). 33-46.

Antonioli F., L. Ferranti, P. Stocchi, G. Deiana, V. Lo Presti, S. Furlani, C. Marino. 2018. Morphometry and elevation of the last interglacial tidal notches in tectonically stable coasts of the Mediterranean Sea, *Earth-Science Reviews*, 185, 600-623.

Antonioli F. 2018. Mediterranean sea : many models and few new observational data for the coast. Only using the computer will be difficult to improve the future sea level projections. *Alpine and Mediterranean Quaternary*. Available online <http://amq.aiqua.it> ISSN 2279-7327, ISSN.

Furlani S., F. Antonioli, T. Gambin, S. Biolchi, S. Formosa, V. Lo Presti 2018. Submerged speleothem in Malta indicates tectonic stability throughout the Holocene. *The Holocene*, <https://doi.org/10.1177/ 0959683618782613>.

Pepe F., M. Corradino, N. Parrino, G. Besio, V. Lo Presti, P. Renda, Antonioli F. 2018. Boulder coastal deposits at Favignana Island rocky coast (Sicily, Italy): Litho-structural and hydrodynamic control. *Geomorphology* 303, 191-209.

Fontana A., G. Vinci, G. Tasca, P. Mozzi, M. Vacchi, G. Bivi, S Salvador, Antonioli F. 2018. Terra-Mare: Insediamenti lagunari e livello marino relativo durante l'età del Bronzo in Adriatico nord occidentale. *Percorsi nel Passato*, 325-348.

Lo Presti V., Antonioli F., Anzidei M., A. Amorosi, G. Mastronuzzi, G. Deiana. 2018. Sea-level rise and potential drowning of the Italian coastal plains: flooding risk scenarios for 2100 abstract volume WORKSHOP ON CLIMATE CHANGE AND SEA LEVEL RISE IN THE Mediterranean sea, ENEA.

Bonaldo D., F. Antonioli, R. Archetti, A. Bezzi, A. Correggiari, S. Davolio, S. Carniel. 2018. Integrating multidisciplinary instruments for assessing coastal vulnerability to erosion and sea level rise: lessons and challenges from the Adriatic Sea, Italy. *Journal of Coastal Conservation*, 1-19.

Lambeck K., M. Anzidei, F. Antonioli, A. Benini, V. Verrubbi. 2018. Tyrrhenian sea level at 2000 BP: evidence from Roman age fish tanks and their geological calibration. *Rendiconti Lincei. Scienze Fisiche e Naturali*, 1-12 <https://doi.org/10.1007/s12210-018-0715-6>.

Sannino G., F. Antonioli, A. Carillo, G. Galassi, P. Malanotte-Rizzoli, G. Spada. 2018. Future relative sea level for the Mediterranean Sea: ensemble projections combining terrestrial ice melt, high resolution steric effects, tectonic, and glacial isostatic adjustment. *EGU General Assembly Conference Abstracts* 20, 10391

Scicchitano G., Spampinato, C.R., Antonioli, F., Anzidei M., Lo Presti, V.L., Monaco, C. 2018. Comparing ancient quarries in stable and slowly uplifting coastal area located in Eastern Sicily, Italy. *Geografia Fisica e Dinamica Quaternaria* 41(2) 81-92.

Furlani F., Antonioli F., Mastronuzzi G., Scicchitano G. 2018. Bedrock lowering and sea cliff retreat along the Southwestern Adriatic rock coasts. *Geophysical Research Abstracts*, 2019 EGU Vienna, *Geophysical Research Abstracts* 21.

2017-2014 Publications

Stocchi P., Antonioli F., Montagna P., Pepe P., Lo Presti V., Caruso A., 2017. A stalactite record of four relative sea-level highstands during the Middle Pleistocene Transition *Quaternary Science Reviews* 173, 92-100.

Furlani S., Antonioli F., Cavallaro D., Chirco P., Caldarelli F., Foresta Martin F., Gasparo Morticelli M., Monaco C., Sulli A., Quarta G., Biolchi S., Sannino G., de Vita S., Calcagnile L., Agate M. 2017. Tidal notches, coastal landforms and relative sea-level changes during the Late Quaternary at Ustica Island (Tyrrhenian Sea, Italy). *Geomorphology* 299, 94–106. Benjamin J., Rovere A., Fontana A., Furlani S., Vacchi M., Inglis R.H., Galili E., Antonioli F., Anzidei M. 2017. Late Quaternary sea-level changes and early human societies in the central and eastern Mediterranean Basin: an interdisciplinary review. *Quaternary International* 449, 29-57. Antonioli F., M. Anzidei, V. Lo Presti, G. Scicchitano, C.R. Spampinato, E. Trainito, S. Furlani 2017. Anomalous multi-origin marine notch sites: Three case studies in the central Mediterranean Sea. *Quaternary International* 439, 4-16.

Marsico A., Lisco S., Lo Presti V., Antonioli F., Amorosi A., Anzidei M., Deiana G., De Falco G., Fontana A., Fontolan G., Moretti M., Orrù P.E., Serpelloni E., Sannino G.M., Vecchio A., Mastronuzzi G., 2017. Flooding scenario for four Italian coastal plains using three relative sea level rise models *Journal of Maps* 13 (2), 961-967. Fontana A., G. Vinci, G. Tasca, P. Mozzi, M. Vacchi, G. Bivi, S. Salvador, F. Antonioli. 2017. Lagoonal settlements and relative sea level during Bronze Age in Northern Adriatic: Geoarchaeological evidence and paleogeographic constraints. *Quaternary international* 439, 17-36 Mastronuzzi G., F. Antonioli, M. Anzidei, R. Auriemma, C. Alfonso, T. Scarano. 2017. Evidence of relative sea level rise along the coasts of central Apulia (Italy) during the late Holocene via maritime archaeological indicators. *Quaternary International* 439, 65-78 Ferranti L., F. Antonioli, G. Scicchitano, CR. Spampinato. 2017. Uplifted Late Holocene shorelines along the coasts of the Calabrian Arc: geodynamic and seismotectonic implications *Italian Journal of Geosciences*, 136 (3), 454-470

Raia P., L. Ferranti, S. Castiglione, M. Melchionna, F. Saggese, R. Raimondi, F. Antonioli. 2017. Predicted sea-level changes and evolutionary estimates for age of isolation in Central Mediterranean insular lizards *The Holocene* 27 (3), 418-426.

Antonioli, F., M. Anzidei, A. Amorosi, V. Lo Presti, G. Mastronuzzi, G. Deiana, 2017. Sea-level rise and potential drowning of the Italian coastal plains: Flooding risk scenarios for 2100. *Quaternary Science Reviews* 158, 29-43.

S. Biolchi, S. Furlani, F. Antonioli, N. Baldassini, J.C. Deguara, S. Devoto. 2017. Boulder accumulations related to extreme wave events on the eastern coast of Malta. *Natural Hazard and Early Sistem Sciences Nat. Hazards Earth Syst. Sci.*, 16, 737–756, 2016.

F. Antonioli, V. Lo Presti, A. Rovere, L. Ferranti, M. Anzidei, S. Furlani, 2017. Reply to comment by Evelopidu N., and Pirazzoli P. on " Tidal notches in the Mediterranean sea: A comprehensive analysis". *Quaternary Science Reviews* 131, 238-241.

L. Abelli, M.V. Agosto, D. Casalbore, C. Romagnoli, A. Bosman, F. Antonioli, 2017. Marine geological and archaeological evidence of a possible pre-Neolithic site in Pantelleria Island, Central Mediterranean Sea *Geological Society, London, Special Publications* 411 (1), 97-110.

Antonioli F., V. Lo Presti, M. Anzidei, G.. Deiana, E. de Sabata, L. Ferranti, S. Furlani, G. Mastronuzzi , P. E. Orru, R. Pagliarulo, A. Rovere, G. Sannino, P. Sansò, G. Scicchitano, C. R. Spampinato, M. Vacchi , A. Vecchio 2017. Tidal notches in Mediterranean sea: a comprehensive analysis. *Quaternary Science review. Quaternary Science Reviews* 119, 66-84.

F. Antonioli, A. Alessandro, A. Marco, G. Fontolan, G. De Falco, K. Lambeck, 2016. Relative sea level change along the Italian coasts and projections for 2100 based on high resolution DTMs and geodetic data: implications for coastal impacts *EGU General Assembly Conference Abstracts* 17

C.R. Spampinato, F. Antonioli, L. Ferranti, C. Monaco, G. Scicchitano. 2016. Holocene co-seismic deformation at Capo Vaticano (Calabria): New data from raised paleo-shorelines *Rendiconti Online Societa Geologica Italiana* 22, 215-217.

Spampinato, C.R., Ferranti, L., Monaco, C., Scicchitano, G., Antonioli, F. 2016. Raised Holocene paleo-shorelines along the Capo Vaticano coast (Western Calabria, Italy): evidence of co-seismic and steady-state deformation *Journal of Geodynamics* 444 doi:10.1016/j.jog.2014.03.003

F. Antonioli, V. Lo Presti, M.G. Morticelli, L. Bonfiglio, M.A. Mannino, et al., 2016, Timing of the emergence of the Europe–Sicily bridge (40–17 cal ka BP) and its implications for the spread of modern humans, *Geological Society, London, Special Publications* 411, 111-144.

S. Biolchi, S. Furlani, F. Antonioli, N. Baldassini, F. Cucchi, J. Deguara, 2016. Extreme waves impact on Malta (Mediterranean Sea). *Georisks in the Mediterranean and their mitigation*, 83-90.

M. Anzidei, F. Antonioli, R. Auriemma, A. Benini, E..FC. Berlinghieri, F. Enei, 2015 The archaeological evidence of sea level change in the Mediterranean: guidelines and reappraisals Mediterranean Geoarchaeology Workshop. abstrac volume.

P.E. Orrù, F. Antonioli, G. Mastronuzzi, E. Solinas, P.G. Spano, R. Zucca 2015 The monumental submerged Punic harbour of Malfatano and associated Piscinì quarries: sea level changes and geoarchaeological approach Mediterranean Geoarchaeology Workshop, abstrac volume.

K. Folz-Donahue, A. Dutton, F. Antonioli, D.A. Richards, D.C. Nita, K. Lambeck. 2015 Glacial to Interglacial Climate and Sea Level Changes Recorded in Submerged Speleothems, Argentarola, Italy AGU Fall Meeting Abstracts.

C.R. Spampinato, L. Ferranti, C. Monaco, G. Scicchitano, F. Antonioli. Raised Holocene paleo- shorelines along the Capo Vaticano coast (western Calabria, Italy): Evidence of co-seismic and steady-state deformation. 2015. Journal of Geodynamics 82, 178-193.

De Falco G, F Antonioli, G Fontolan, VL Presti, S Simeone, R Tonielli 2015. Early cementation and accommodation space dictate the evolution of an overstepping barrier system during the Holocene. Marine Geology 369, 52-66

Negri A., Amorosi A., Antonioli F., Bertini A., Florindo F., Lurcok P., Marabini S., Mastronuzzi S., Regattieri E., Rossi V., Scarponi D., Taviani M., Zanchetta G., Vai G.B, 2014 A potential global boundary stratotype section and point (GSSP) for the Tarentian Stage, Upper Pleistocene, from the Taranto area (Italy): Results and future perspectives Journal of Quaternary International 334 doi:10.1016/j.quaint.2014.08.057

Auriemma R., Antonioli F., Lo Presti V., Ronchitelli A., et al. 2014. Cave costiere di macine in Italia: nuove evidenze ed ipotesi cronologica. Arqueología de la Construcción IV, 251-270.

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