

Some research papers on Pleistocene and Holocene geology

Javier Lario ¹

1. Facultad de Ciencias, Universidad Nacional de Educación a Distancia (UNED), Madrid, España

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Regarding the studies of Quaternary marine levels and their relationship with sea level changes and/or neotectonic activity, it is worth highlighting the studies of marine terraces on the Mediterranean coast (Bardaji et al., 2009a; Bardaji et al., 2009b; Fernandez Salas et al., 2009; Dabrio et al., 2011; Bardají et al., 2022), around the Strait of Gibraltar (Zazo et al., 1999a; Silva et al., 2006; Zazo et al., 2013) or on the coast of the Gulf of Cadiz (Zazo et al., 2007; Zazo et al., 2008a; Zazo et al., 2008 b; Bardají et al., 2015).

Several studies have also been carried out on the sedimentary fill and palaeoenvironmental evolution during the Pleistocene-Holocene transition of the main Holocene estuarine systems of the Gulf of Cadiz (Zazo et al., 1994; Lario et al., 1995; Goy et al., 1996; Zazo et al., 1996; Borja et al., 1999; Dabrio et al., 1996; Lario et al., 1999; Zazo et al., 1999b; Dabrio et al., 2000; Lario et al., 2002; Lario et al., 2010a; Lario et al., 2016a; Silva et al., 2021; Goy et al., 2022; Bardaji and Lario, 2022a; Bardají and Lario, 2022b).

These studies have made it possible to recognise episodes of extreme waves associated with large storms and/or tsunamis, characterised in various publications (Lario et al., 2001; Lario et al., 2002; Luque et al., 2002; Lario et al., 2010b; Lario et al., 2011; Clarke et al., 2014a; Clarke et al., 2014b; Lario et al., 2016b; Lario et al., 2016c; Vött et al., 2019; Costa et al., 2019; Lario et al., 2020; De Martini et al., 2021; Lario et al., 2023).

Associated with this line of research, several papers have been published on seismic events associated with archaeological or palaeontological sites (Silva et al., 1997a; Silva et al., 1997b; Silva et al., 2005; Silva et al., 2015; Rodriguez Pascua et al., 2016).

From the work in karst environments and cavities, it is worth highlighting several environmental studies focused on the protection of natural and cultural heritage (Cuezva et al., 2003; Sánchez Moral et al., 2003; Lario et al., 2005; Lario et al., 2005a; Lario et al., 2005b; Camacho et al., 2006; Cañaveras et al., 2006; Lario et al., 2006; Rosas et al., 2006; Lario and Soler, 2010; Torres et al., 2010; Pérez López et al., 2017; Cañaveras et al., 2018; Cañaveras et al., 2021).

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