

CONTENTS

Foreword (<i>Lorenz Korn</i>)	7
1. Introduction: An approach to abandoned settlement research in Cuatrovitas and al-Andalus (<i>Anja Heidenreich</i>)	9
2. Natural environment	13
2.1 Geography (<i>Anja Heidenreich</i>)	13
2.2 Climate and vegetation (<i>Anja Heidenreich</i>)	13
2.3 Landscape development during the Islamic period in the region El Aljarafe (<i>Heike Schneider</i>)	18
2.3.1 Introduction	18
2.3.2 Regional setting	18
2.3.3 Materials und methods	19
2.3.4 Results	20
2.3.5 Interpretation and discussion	23
2.3.6 Conclusions	25
2.4 The Islamic site of Cuatrovitas and Dehesa de Abajo: Geoarchaeological sequence, alluviation processes and recent landscape evolution (<i>Francisco Borja Barrera – César Borja Barrera – José Manuel Recio Espejo – María Dolores Noguero Hernández – Álvaro Lama Sánchez – Fernando Ramírez Hernández – M^o Esperanza Roldán Muñoz</i>)	26
2.4.1 Introduction	26
2.4.2 Study area	28
2.4.3 Sampling and methods	29
2.4.4 Results	30
2.4.5 Discussion	40
2.4.6 Conclusions	42
3. Local road network (<i>Anja Heidenreich</i>)	45
4. Historical overview	47
4.1 Political structure, medieval sources, existing structures (<i>Anja Heidenreich</i>)	47
4.2 Written documents and local lore around Cuatrovitas (<i>Anja Heidenreich</i>)	51
4.3 The toponym of Cuatrovitas (<i>Carmen Barceló</i>)	55
4.3.1 Cuatrovita in written sources	55
4.4 History of the Fraternity of Cuatrovitas (<i>Anja Heidenreich</i>)	58
5. On-site research in Cuatrovitas	63
5.1 Preliminary work (<i>Anja Heidenreich</i>)	65
5.1.1 Measurement system and references (<i>Anja Heidenreich</i>)	65
5.1.2 Grid survey (<i>Anja Heidenreich</i>)	66
5.1.3 Geophysical prospection (<i>Cornelius Meyer</i>)	67
5.2 Building research (<i>Anja Heidenreich</i>)	81
5.2.1 Rammed earth as a special construction technique (<i>Anja Heidenreich</i>)	88
5.2.2 Metrological analysis of structures and architectural materials in Cuatrovitas (<i>Alejandro Jiménez</i>)	90
5.2.3 Underground structures (<i>Anja Heidenreich</i>)	99
5.3 Archaeology	114
5.3.1 Find material – an overview (<i>Anja Heidenreich</i>)	114

5.3.2	Ceramic materials from Cuatrovitas (<i>Pilar Lafuente Ibáñez</i>)	121
5.3.3	Archaeometric characterization of sherds and building materials from Cuatrovitas (<i>Isabel González Díez</i>)	132
5.3.4	Archaeozoology in Cuatrovitas (<i>Ana Pajuelo Pando</i>)	142
5.3.5	Anthropology in Cuatrovitas: Analysis of twelve skeletons (<i>Juan Carlos Pecero Espín</i>)	151
5.3.6	Carbon and nitrogen stable isotope analysis of human and faunal remains from the Cuatrovitas medieval period (<i>Domingo Carlos Salazar-García</i>)	153
6.	Cuatrovitas: Specific features and historical surroundings	157
6.1	The settlement: Characteristics and context (<i>Anja Heidenreich</i>)	157
6.2	The environment of Cuatrovitas – 25 km ² of survey area (<i>Alejandro Jimenez – Magdalena Valor</i>)	164
6.3	Deserted villages of the Almohad period nearby Cuatrovitas (<i>Anja Heidenreich</i>)	169
7.	The mosque and its structural history (<i>Anja Heidenreich</i>)	171
7.1	Record of so-called rural mosques in southern Spain	171
7.2	The mosque building in Cuatrovitas	173
7.2.1	Prayer hall	173
7.2.2	Mosque forecourt	177
7.2.3	Minaret	179
7.3	Transformation of the building	188
7.4	Churchyard and graves	198
8.	Summary and Resumen	201
9.	Bibliography	209
10.	Credits	228
11.	Archaeological documentation	230
11.1	List of features and trenches.	230
11.2	Location of trenches	plates 1–2
11.3	Drawings of archaeological profiles and plana.	plates 3–50
1.4	Planimetry of the present building	plates 51–55
11.5	Photo documentation.	plates 56–82