

# Contents

## Foreword

David Jacoby.....vii

## Chapter 1: The Akko Marina Archaeological Project – Introduction

Ehud Galili.....1

## Chapter 2: The Akko Harbor in Numismatic, Epigraphic, Cartographic and Photographic Evidence

Ehud Galili, Dov Zviely and Baruch Rosen .....12

## Chapter 3: Hellenistic, Roman and Byzantine Ceramics from the Akko Marina

Na'ama Silberstein, Ehud Galili and Jacob Sharvit.....35

## Chapter 4: Amphora Stamps from the Akko Marina

Gerald Finkelsztein.....163

## Chapter 5: Maritime Depictions on Ceramics from the Akko Marina

Zaraza Friedman, Ehud Galili and Baruch Rosen .....181

## Chapter 6: Ship Timbers from the Akko Marina: Early Use of Unpegged Mortise-and-tenon Joints and Mixed Shell-and-frame Construction

Yaakov Kahanov .....187

## Chapter 7: The Fatimid, Crusader, Mamluk and Ottoman Ceramics from the Akko Marina

Ehud Galili, Baruch Rosen and Jacob Sharvit.....204

## Chapter 8: Coin Finds from the Akko Marina: Isolated Coins and a Hoard of Thirteenth-Century Gold Florins

Robert Kool.....216

## Chapter 9: A Fifteenth-Century Harbor Installation with Wooden Pillars in Akko

Ehud Galili and Baruch Rosen.....243

## Chapter 10: Anchors from the Akko Marina

Ehud Galili and Baruch Rosen.....246

## Chapter 11: Ship Fittings and Rigging Devices from the Akko Marina

Ehud Galili and Jacob Sharvit.....252

## Chapter 12: Fishing Gear from the Akko Marina

Ehud Galili and Baruch Rosen.....259

## Chapter 13: Jewelry and Adornments from the Akko Marina

Ehud Galili.....266

## Chapter 14: Metal Objects from the Akko Marina

Ehud Galili.....269

## Chapter 15: Copper Bun-shaped Ingot from the Akko Marina

Ehud Galili and Jacob Sharvit.....277

## Chapter 16: Stone Finds from the Akko Marina

Ehud Galili.....279

## Chapter 17: Weapons and Ammunition from the Akko Marina

Ehud Galili and Baruch Rosen.....282

<b>Chapter 18: Pig Tusks and Animal Bones from the Akko Marina</b>	286
Liora Kolska Horwitz, Ehud Galili and Baruch Rosen.....	
<b>Chapter 19: Glass Vessels and Raw Glass Chunks from the Akko Marina</b>	290
Ehud Galili, Baruch Rosen and Jacob Sharvit.....	
<b>Chapter 20: Structures and Installations in and around the Akko Marina</b>	298
Ehud Galili.....	
<b>Chapter 21: Shipwrecks and Cargoes in and around the Akko Marina</b>	313
Ehud Galili.....	
<b>Chapter 22: The Akko Marina Archaeological Project – Summary</b>	320
Ehud Galili and Baruch Rosen.....	