

# Contents

## INTRODUCTION

Catherine Marro, Thomas Stöllner

On salt, copper and gold. The story behind shepherds, metallurgists and miners in the first mining enterprises of the Caucasus .....	13
--	----

## EARLY MINING IN THE CAUCASUS AND BEYOND

Anthony Harding

Prehistoric rock-salt production .....	29
--	----

Thierry Gonon, Nicolas Gailhard, Baki Varol, Veli Bakhshaliyev, Catherine Marro

Early salt-mining systems and strategies at Duzdağı, Nakhchivan .....	37
---	----

Caroline Hamon, Nicolas Gailhard, Gilles Fronteau

Salt-exploitation techniques during the Early Bronze Age in the Caucasus. Technology and use-wear of the macro-lithic tools from Duzdağı and Kültepe I (Nakhchivan) .....	59
---	----

Catherine Marro

The functions of Kura-Araxes ceramic containers in Caucasian early mining .....	79
---	----

Thomas Stöllner, Irina Gambashidze, Nicole Boenke, Werner H. Schoch,  
with contributions from Antoine Courcier and Tobias Skowronek

The Paravani calculation. The early gold-mining complex in Sakdrisi and its societal impact .....	101
---	-----

Ketevan Tamazashvili

The prehistoric mining implements from Georgia .....	127
--	-----

Nino Otchvani, Felix Klein, Sebastian Senczek, Irina Gambashidze, Thomas Stöllner

Kura-Araxes ceramics and the prehistoric gold mine of Sakdrisi .....	139
--	-----

## EARLY METALLURGY IN THE CAUCASUS AND BEYOND

Nicolas Gailhard, Michael Bode, Veli Bakhshaliyev, Catherine Marro

The invisible movements of metallurgy: the interactions between nomads and metal. Some evidence from Nakhchivan (Azerbaijan) during the Chalcolithic and the Early Bronze Age .....	155
---	-----

Moritz Jansen, Andreas Hauptmann, Sabine Klein, Irina Gambashidze, Bakhtiyar Jalilov

Geochemistry of gold from the prehistoric mine of Sakdrisi and Transcaucasian gold artefacts between the 4th and 2nd millennia BC .....	181
---	-----

Barbara Helwing Patterns of early metallurgy on the Iranian Plateau, from the beginnings to the end of the Bronze Age .....	201
---	-----

Nima Nezafati, Ernst Pernicka, Barbara Helwing, Dirk Kirchner Reassessment of the prehistoric metallurgy at Arisman, Central Iran .....	231
--	-----

## EARLY MINING AND METALLURGY WITHIN THEIR BROADER ECONOMIC CONTEXT

Rémi Berthon, Julia Giblin, Marie Balasse, Denis Fiorillo, Éric Bellefroid The role of herding strategies in the exploitation of natural resources by early mining communities in the Caucasus .....	263
--	-----

Giulio Palumbi, Irena Kalantaryan, Adrian Bălăşescu, Olivier Barge, Jwana Chahoud, Roman Hovsepyan, Khachatur Meliksetian, Pavel Avetisyan, Christine Chataigner Early pastoralism and natural resource management: recent research at Godedzor .....	285
---	-----

Estelle Herrscher, Modwene Poulmarc'h, Liana Bitadze, Nikoloz Vanishvili, Guy André Is there homogeneity in Georgian Kura-Araxes human dietary practices? .....	325
--	-----

Catherine Longford, Antonio Sagona The Kura-Araxes economy: mobile pastoralism or sedentary agriculture? Perspectives from Sos Höyük .....	347
--	-----

Veli Bakhshaliyev Archaeological investigations at Nakhchivan Tepe .....	375
---	-----

Judith Thomalsky Obsidian tool production in the South Caucasus of the 5th and 4th millennium BCE. Technology, typology and sociocultural implications .....	387
--	-----

## THE EXPLOITATION OF NATURAL RESOURCES IN THE CAUCASUS IN LATE PREHISTORY

Laurence Astruc, Antoine Courcier, Bernard Gratuze, Denis Guilbeau, Moritz Jansen, Sonia Ostaptchouk, Bertille Lyonnet, Farhad Guliyev The use of natural resources at Mentesh Tepe during the Late Chalcolithic period and the Early Bronze Age .....	409
---	-----

Ruben Badalyan The exploitation of mineral resources in Armenia in the Early Bronze Age. Obsidian, metal, bitumen, and salt .....	425
---	-----

Thomas Stöllner From generalists to specialists? Transcaucasian communities and their approach to resources during the 5th and the 3rd millennium BCE .....	445
---	-----