

Archaeology and Heritage of Africa

Module teaching team.

2. Introduction

to Archaeological Methods

# Jordi Estevez Escalera

Dr. Jordi Estévez, a retired tenured professor from the Autonomous University of Barcelona, has specialized in the archaeology of hunter-fisher-gatherer societies, archaeozoology, paleoeconomy, and artificial intelligence. He is the founder of the Archaeozoology Laboratory at the UAB and has conducted research projects in Spain, Tierra del Fuego (Argentina), Uruguay, Nicaragua, Canada, and Scotland. Dr. Estévez's primary area of interest is social archaeology, which examines the management of resources by societies and social relationships. He believes that by studying the successes, achievements, and failures of past societies, we can learn from their experiences to better prepare for the future. Dr. Estévez also explores how social processes and norms have shaped modern societies.

Dr. Jordi Esteves gives the lecture *Introduction to Archaeological Methods & Chronology*.



Dr. Jordi Estévez Escalera,  
Universitat Autònoma  
de Barcelona.

[Researchgate personalweb page](#)

[Youtube channel](#)

# João Cascalheira

Dr. João Cascalheira is a Portuguese archaeologist who currently serves as the Director of the ICArEHB research center at Universidade do Algarve in Portugal. His research specialization centers on prehistory and lithic technology, with a focus on hunter-gatherer adaptations in response to climate and environmental change. He was recently awarded an ERC Consolidator Grant for the project FINISTERRA: Population trajectories and cultural dynamics of the late Neanderthals in Far Western Eurasia.

Dr. Cascalheira is also passionate about the application of quantitative methods in archaeology. He has developed two unique apps, "Archeo Survey" and "Lithics On The Go," that have proven to be valuable tools for researchers working in challenging field conditions.

Dr. João Cascalheira gives the lectures on *Archaeological Survey: Ground, Aerial and Subsurface Reconnaissance* and *Archaeological Survey using Mobile Applications*.



Dr. João Cascalheira,  
ICArEHB, University  
of Algarve, Portugal.

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# Alexa Höhn

Dr. Alexa Höhn is an archaeobotanist from the Goethe University, Frankfurt/Main, specialized in the study of wood charcoal from archaeological sites, which is a valuable proxy for the local woody vegetation cover, in savanna as well as forest environments.

Her research focuses on human-environment interactions in sub-Saharan Africa during the Late Holocene.

Dr. Höhn gives the lecture Archaeobotany: the Study of Charcoal and the Case Study Cultivated Landscapes - Archaeobotanical Research in the West African Savanna.



Dr. Alexa Höhn,  
Goethe University  
Frankfurt/Main,  
Germany.

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# Michèle Dinies

Dr. Michèle Dinies is a botanist working at the German Archaeological Institute in Berlin and the Freie Universität Berlin, specialized in the study of pollen. Her research focus on climate, vegetation and oases in the Saharo-Arabian belt as well as on Holocene vegetation and land-use dynamics in Germany.

Dr. Michèle Dinies gives the lectures *Archaeobotany: The study of pollen* and the Case Study *De-greening of the Sahara Archaeobotanical research in Northern Chad*.



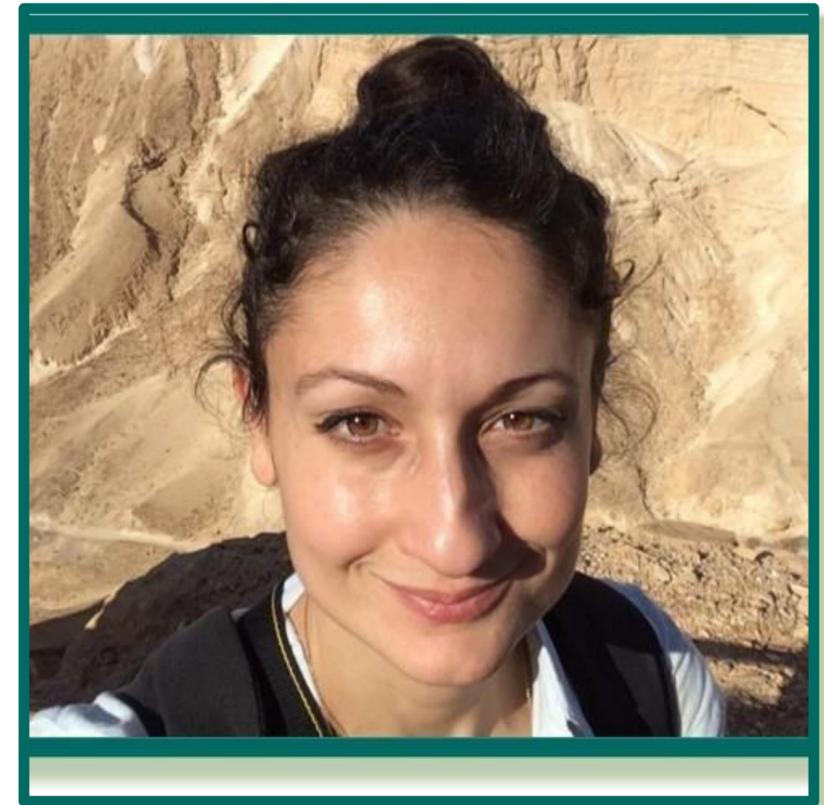
Dr. Michèle Dinies,  
German Archaeological  
Institute Berlin (DAI) &  
Freie Universität (FU)  
Berlin, Germany.

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# Giacoma Petruzzo

Dr. Giacoma Petruzzo, an archaeologist, specializes in bone industry and examines tool manufacturing and the function of artifacts post-production through microscopy and experimentation. With a PhD from Sapienza and Paris Nanterre Universities, she researches bone artifacts in North African Epipaleolithic and Neolithic contexts. Petruzzo is associated with the laboratory of Préhistoire et Technologie (UMR7055) in Paris and ISMEO (Associazione Internazionale di Studi sul Mediterraneo e l'Oriente) in Rome, and continues her research in Epipaleolithic and Neolithic, in North Africa and the Near East.

Dr. Giacoma Petruzzo gives the lectures on *Animal Bones: Technology* and *Animal Bones: Function*.

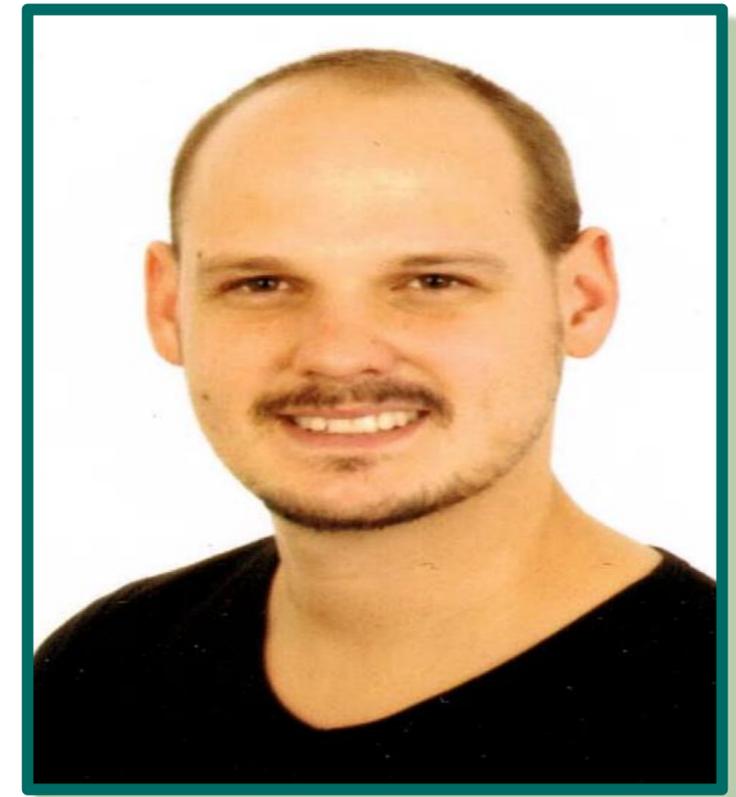


Dr. Giacoma Petruzzo,  
UMR 7055 (Paris  
Nanterre) and ISMEO  
(Rome).

Personal page: [Researchgate](#)  
and [Academia profile](#)

# Gregor Baden

Dr. Gregor Bader is a Prehistoric Archaeologist at Senckenberg Gesellschaft für Naturforschung, Frankfurt, focusing on the African Middle and Later Stone Age (MSA & LSA). He manages the archaeological collection at the University of Tübingen and researches cultural variability of hunter-gatherer societies during the MSA and LSA in KwaZulu Natal, South Africa. He is also involved in a project with the German Archaeological Institute on archaeological collections in Swaziland and new excavations in the country. Additionally, he works on the "evolving human minds" project investigating Mumba Cave in Tanzania and the surrounding area..



Dr. Gregor Baden,  
Senckenberg Centre for  
Human Evolution and  
Palaeoenvironment,  
Tübingen, Germany.

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Dr. Gregor Baden gives the lecture on *Introduction into Lithic Technology*.

# Martin Kehl

Dr. Martin Kehl is a geographer with teaching experience in physical geography, soil science and climatology. His research interests are man-environment interactions and the role of climate and humans in shaping landscapes of the past. He investigates sediments of archaeological cave and open-air sites for deciphering stratigraphy, site formation processes and human behavior. He also studies geological archives including loess to identify climate and paleoenvironmental change. He received training in soil micromorphology at the Institute of Soil Science of Bonn University. His temporal focus is on the Late Quaternary. He has been working in different regions including the Western Mediterranean, Morocco, Iran, and Germany.



Dr. Martin Kehl, Senior Researcher, Institute of Geography, University of Cologne, Germany.

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Dr. Martin Kehl gives the lecture *Introduction into Micromorphology*

# Friederike Jesse

Dr. Friederike Jesse is an archaeologist from the University of Cologne's Institute of Prehistoric Archaeology African Research Unit. She wrote her PhD on Wavy Line pottery in Northern Africa and was a researcher on the university's [ACACIA](#) project in Wadi Howar (Northern Sudan) until 2007. She then directed research at the [Gala Abu Ahmed](#) fortress in lower Wadi Howar. Friederike's research interests focus on Saharan prehistory, mobility, fortifications, and pottery, including analysis of decoration, technological aspects, and the earliest appearance of pottery. Currently, she is working on [prehistoric stone axes](#) in the Sahara.

Dr. Friederike Jesse gives the lecture *Introduction into the Study of Pottery*.



Dr. Friederike Jesse,  
African Archaeology,  
University of Cologne,  
Germany.

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# Sabrina Stempfle

Sabrina Stempfle is an archaeologist from the Hamburg University. Sabrina completed her Bachelor of Arts in Classical Archaeology and Chemistry at the Hamburg University. She graduated with a Master of Science in Archaeological Sciences with the specialization Archaeometry at the University of Tübingen. Since 2016, she works together with Jörg Linstädter from the DAI on pottery in the context of Early Farming Communities in Mozambique and since 2021 on the DFG-project “Bantu arrival in southern Africa.” She started her PhD within the project in 2019, focusing on archaeometric pottery analysis.

Sabrina gives the lecture on *Archaeometry the Study of Pottery*.



Sabrina Stempfle,  
University of Hamburg.

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# Cláudia Umbelino

Dr. Cláudia Umbelino is a Portuguese biological anthropologist and an Assistant Professor in the Department of Life Sciences at the University of Coimbra. Dr. Umbelino teaches various courses in the BA program in Anthropology, the Master program in Human Evolution and Biology, and the Master program in Forensic Anthropology. Her current research interests mainly concern the dietary reconstruction, paleopathology and the appraisal of mobility patterns of past human communities through stable isotope analysis, particularly from the Mesolithic and Neolithic periods.

Besides laboratorial work, she is also involved in archaeological fieldwork, being responsible for the area of Biological Anthropology on the archaeological excavations of: Cabeço da Amoreira, Muge shellmidden (late Mesolithic) and Cueva de la Dehesilla (Early Neolithic), Cádiz, Spain.

Dr. Cláudia Umbelino gives the lecture *Human Remains: Introduction to Biological Anthropology*



Dr. Cláudia Umbelino,  
Universidade de Coimbra,  
Portugal.

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# Stephan Schiffels

Dr. Stephan Schiffels from the Department of Archaeogenetics of the Max Planck Institute for Evolutionary Anthropology, obtained his PhD in theoretical Physics in 2012 from the University of Cologne. He worked as a Postdoc with Richard Durbin at the Wellcome Sanger Institute in Hinxton, UK, where he developed methods to estimate past human demography from genomes. Since 2015 he was a group leader at the Max Planck Institute for the Science of Human History in Jena, and since September 2020 at the Max Planck Institute for evolutionary Anthropology in Leipzig. He develops computational methods and analyses ancient and modern DNA to learn about the human past.

Dr. Stephan Schiffels gives the lecture *on Human Remains: Introduction to Archaeogenetics*.



Dr. Stephan Schiffels,  
Department of  
Archaeogenetics of  
the Max Planck Institute,  
in Jena, Germany.

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# Goodman Gwasira

Dr. Goodman Gwasira, is an archaeologist from the University of Namibia, specialized in Rock Art.



Dr. Goodman Gwasira,  
University of Namibia.

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Dr. Goodman Gwasira gives the lecture  
*Rock Art Methodology*

# Sónia Gabriel

Dr. Sónia Gabriel is a zooarchaeologist and the collection curator at the Archaeosciences Laboratory, Ministry of Culture in Portugal. She manages and cares for the Osteological Reference Collections for the Ministry of Culture - Direção Geral do Património Cultural (DGPC), Archaeosciences Laboratory (Laboratório de Arqueociências – LARC) Zooarchaeology.

Sónia's work focuses on the relationship between humans and other animals in their environment, as reflected in faunal assemblages recovered from archaeological sites in Iberia and North Africa (Morocco) over time.

Sónia gives the lecture *Zooarchaeology: Animal bones in Archaeology– Methods and Practice*.



Sónia Gabriel,  
Archaeosciences Laboratory,  
Ministry of Culture,  
Portugal.

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