



Séminaire International de Paléontologie, Évolution,
Paléoécosystèmes et Paléoprimatologie
Salle 410, bât. B35 (3ème étage, aile nord)

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Unravelling the transition from hunter-gatherers to farmers in Southwest Asia through the morphological and wear study of dental remains



Albert Epitié Dyowe Roig

Postdoctorant, université de Barcelone



My study explores how human dentition changed during the Pleistocene–Holocene transition in Southwest Asia, a key period marking the shift from mobile foragers to the first farming communities. Using an integrated approach that combines classical morphology, 3D dental topography, and wear analysis, I examined teeth from Natufian, Pre-Pottery Neolithic, and Pottery Neolithic populations to understand how evolving subsistence strategies shaped tooth form and function..

The analysis reveals notable differences in dental morphology, topography, and wear patterns across the Natufian, Pre-Pottery Neolithic, and Pottery Neolithic periods. These variations suggest shifting functional demands on the dentition as communities underwent major changes in subsistence, mobility, and food-processing practices. Rather than a uniform trajectory, the dental evidence points to regionally and chronologically structured patterns of change throughout the Pleistocene–Holocene transition..

