

# Preliminary investigations of changes in pottery technology through prehistory on the tell site Damića gradina (Slavonia, Croatia)

---

Miloglav, Ina; Mileusnić, Marta; Grzunov, Adriana; Wriessnig, Karin; Mayrhofer, Maria; Ottner, Franz

Source / Izvornik: **Knjiga sažetaka = Abstracts book / 5. hrvatski geološki kongres s međunarodnim sudjelovanjem, 2015, 183 - 183**

Conference paper / Rad u zborniku

Publication status / Verzija rada: **Published version / Objavljena verzija rada (izdavačev PDF)**

Permanent link / Trajna poveznica: <https://um.nsk.hr/um:nbn:hr:169:003685>

Rights / Prava: [In copyright](#) / [Zaštićeno autorskim pravom.](#)

Download date / Datum preuzimanja: **2024-05-14**



Repository / Repozitorij:

[Faculty of Mining, Geology and Petroleum Engineering Repository, University of Zagreb](#)



## **Preliminary investigations of changes in pottery technology through prehistory on the tell site Damića gradina (Slavonia, Croatia)**

### **Preliminarna istraživanja promjena u lončarskoj tehnologiji kroz prapovijest na lokalitetu tel Damića gradina (Slavonija, Hrvatska)**

**Ina Miloglav<sup>1</sup>, Marta Mileusnić<sup>2</sup>, Adriana Grzunov<sup>2</sup>, Karin Wriessnig<sup>3</sup>,  
Maria Mayrhofer<sup>3</sup> & Franz Ottner<sup>3</sup>**

<sup>1</sup> Filozofski fakultet Sveučilišta u Zagrebu, Ulica Ivana Lučića 3, HR-10 000 Zagreb

<sup>2</sup> Rudarsko-geološko-naftni fakultet Sveučilišta u Zagrebu, Pierottijeva ulica 6, HR-10 000 Zagreb, Hrvatska

<sup>3</sup> Universität für Bodenkultur, Institut für angewandte Geologie, Peter Jordan-Strasse 70, A-1190 Beč, Austrija

**Key words:** archaeometry, ceramics, pottery, technology

**Ključne riječi:** arheometrija, keramika, lončarstvo, tehnologija

Analysis of ceramics artefacts may disclose a social, economic and political context of the specific area and period being studied. The subject of this study is ceramic material, found in Stari Mikanovci, which belonged to different prehistoric cultures that lived and rebuilt on the same spot forming a mound (tell Damića gradina). This multi-layered tell site represents a very good example of settling continuity from the Neolithic to the beginning of the Roman period. It was occupied during Sopot, Baden, Vučedol, Vinkovci and Bosut culture, and ends with fortified settlement in the last phase of the middle La Tène period (second half of the first century). The main goal of the study is reconstruction of technological processes of pottery production in different cultures

that lived in the same place during approx. 6000 years and used the same raw material. Technology of pottery production considers: (1) preparation of clay paste (mixing of clay with different temper material); (2) modelling techniques; (3) firing methods; and (4) styles of decoration. The purpose of investigation is to define to which extent technological processes were conditioned by economic, social or traditional factor, i.e. to which extent they were matter of choice. Different archaeometric analyses (mineralogical, petrographic and chemical) of pottery fragments were essential step in the reconstruction of the technological process and their results indicate recipes for the clay mixture and the firing regime.