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## Potentials of urban micrometeorite research.

T. Hasse\*, Museum für Naturkunde, Leibniz-Institut für Evolutions- und Biodiversitätsforschung, Invalidenstr. 43, Berlin 10115, Germany, <a href="mailto:third:thi

Micrometeorites have been successfully extracted from deposits in urban areas (primarily on flat roofs) in the last few years mostly by hobby researchers. Some cooperate with professional scientists [1] [2]. Disadvantages compared to collections from the Antarctic (the main sampling area) are:

- The concentration of the cosmic particles in roof sediment is low, their extraction takes more time
- Differentiation of these from industrial particles is not successful for all types, hence urban collections do not show a representative spectrum

But there are also advantages:

- The urban micrometeorites are well preserved due to their short terrestrial age, specimen therefore bear more information
- Their locations can often be narrowed down precisely in terms of age and area size
- Sampling areas are accessible at no costs
  The method of extracting micrometeorites from roof sediment is outlined, their current limitations are explained and potentials of urban micrometeoritic research are exhibited using selected finds.
- [1] Genge et al. (2017) Geology 45, 119–122.
- [2] Suttle et al. (2021) MAPS 56, 1531–1555.

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